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2017 Plan for Production activity Rompetrol Refinery

Petromidia Refinery

The main assumptions for production plan and sales plan 2017

Production Plan for PEM – 2017

TOTAL THROUGHPUT: 5,652,205 mt out of which: 4,921,984 mt crude oil and 730,220 mt other feedstock out of which 438,000 mt Straight Run Gasoil in Hydrotreaters.

1. Feedstock

The types of crude oil planned to be processed in 2017 (mt/year):

- REBCO: 4,337,282
- SIBERIAN LIGHT Crude Oil: 584,703

Crude unit throughput: 4,921,984 mt/year (13,865 mt/day for 355 processing days).

Density and Sulphur (average value) for Crude unit throughput resulted after PIMS simulation: 0,869 g/cm³, 1,37 % wt sulphur content.

2. Commercial Assumptions

2.1 Prices

2.1.1 Crude oil price (Brent Dtd – 45 \$/bbl and Ural RCMB – 44 \$/bbl)

2.1.2 Products (cracks to Brent: Prem Unl 10 ppm FOB Med – 105,2 \$/mt and ULSD 10 ppm FOB Med – 82,7 \$/mt).

2.1.3 2017 Utilities costs are estimated to be 10,22 \$/mt, meaning 55,3 mil \$.

2.2 Structure of products

Product	domestic	export	Total
	mt/year	mt/year	mt/year
Auto Gasoline	329,282	919,767	1,249,049
Jet+Auto Diesel	1,532,901	1,472,722	3,005,623
Fuel oil	128,257	-	128,257
Propylene	127,919	-	127,919
Coke	219,888	50,800	270,688
Sulphur	-	50,589	50,589
Other products	585,508	89,276	672,784



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2.2.1 Auto fuels for domestic market (mt/year) – total 1,675,083

2.2.2 Auto fuels for export (mt/year)- total 2,332,489

2.2.3 Products to be delivered to Vega refinery (mt/year)

- products to Vega: - 167,694 Raffinate
- 55,175 C5-C6 cut
- 12,000 Hydrotreated kerosene
- 2,450 Slurry
- 103,143 Fuel oil

2.2.4 Others:

- Jet A1- 175,100 mt/year (for domestic market)

2017 White Products yield is 85.79 % wt.

Note: Regarding: raffinate, C5-C6 cut, hydrotreated kerosene, slurry and fuel oil, these products will be transferred to Vega Refinery to be processed in order to obtain valuable products.

Auto fuels are sold on domestic market to Rompetrol Downstream (Gasoline Europlus 10 ppm, Gasoline Efix 95, Gasoline Efix S 98, Gasoline RON 98, Diesel Euro 5, Efix Diesel, Efix S 55 Diesel, 55 Diesel).

The other products are sold on domestic market through: Rompetrol Gas, Rompetrol Downstream, Air BP Sales, Polisan, OMV-Petrom, Carpatcement, Electrocarbon, Lafarge, Elsid.

On the export market the products are sold to: KMG Trading (Grecia, Georgia, Bulgaria, Turcia, Liban), Rompetrol Moldova, Rompetrol Georgia, Rompetrol Bulgaria, Rompetrol Ucraina and others.

Auto fuels are sold 41,79 % on domestic market and 58,21 % on export market.

3. Unfinished products

The production plan was done without consumption/accumulation of unfinished products.

4. Products Specifications / Technical Assumptions

Gasoline production for domestic market contents 5.0% v/v Bio-ethanol according with internal reglementation.

Diesel production for domestic market contents 6.5% v/v Bio-Diesel and Arctic Diesel production for domestic market without Biocomponent on winter time.

During 1st of November 2017 and 10th of November the Refinery will be in total shut down for 10 days. In this period, will be performed Reformer catalyst regeneration, will be replaced the catalysts for Diesel HT Unit (HPM Unit), Diesel HT Unit (HDV Unit), MTBE Unit and Delayed Coker heater decoking.

During 1st of November and 20th of November 2017 will be performed activities of refractory replacement up to OPTIMIX area in Catalytic Cracking Unit, as a result between 11th – 20th of November the Refinery will be in slowdown.



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5. Operational Results

- Gross Refinery P/L: 258,446 k\$
- Gross Refinery Margin P/L: 45.72 \$/mt

The table below shows a summary of 2017 PEM-production plan:

PEM 2017	tons/year
Total Feedstock	5,652,205
Crude oil	4,921,984
Other raw materials	730,220
Finished Products	5,504,909
Gasoline	1,416,743
Jet	247,100
Diesel	2,760,473
Fuel oil	130,473
Gases	259,310
Propylene	127,919
LPG	241,114
Petroleum coke	270,688
Sulphur	50,589
Total Loss	147,296

Refinery Manager
Nicolae Nitu

PPO BU Refining Director
Raluca Lainer

REFINERY		Brent Dtd	\$ 45.00	7.567	\$ 340.52
Production Budget_2017			bbl	CF	mt
		Ural	\$ 44.00	7.310	\$ 321.64
		Crude Unit	13,665	to/day	
No. of Days:		Total	355		
REFINERY	Yield %	Quantity mt	Price USD/mt	Value (,000\$)	
TOTAL FEEDSTOCK :	100	5,652,205	\$ 342.79	\$ 1,937,492	
CRUDE OIL/UNIT	87.08	4,921,984	\$ 325.97	\$ 1,604,425	
Sour	76.74	4,337,282	\$ 323.61	\$ 1,403,576	
REBCO CRUDE OIL	76.74	4,337,282	\$ 323.61	\$ 1,403,576	
Sweet	10.34	584,703	\$ 343.51	\$ 200,849	
Siberian Light Crude Oil	10.34	584,703	\$ 343.51	\$ 200,849	
OTHER FEEDSTOCK :	12.92	730,220	\$ 456.12	\$ 333,067	
Naphtha	0.76	43,000	\$ 336.44	\$ 14,467	
FCC component	0.18	10,000	\$ 389.39	\$ 3,894	
NAPHTHA	0.58	33,000	\$ 329.87	\$ 10,573	
BIOETHANOL	0.41	23,183	\$ 483.18	\$ 11,202	
ETBE	0.04	2,184	\$ 868.11	\$ 1,896	
ETBE	0.04	2,184	\$ 868.11	\$ 1,896	
Feedstock for Coke Briquetting	0.00	-	\$ -	\$ -	
Methanol	0.27	15,448	\$ 266.52	\$ 4,117	
METHANOL	0.27	15,448	\$ 266.52	\$ 4,117	
MTBE	0.87	49,234	\$ 611.62	\$ 30,112	
MTBE FEEDSTOCK	0.87	49,234	\$ 611.62	\$ 30,112	
Chemical grade gas	8.28	468,256	\$ 405.04	\$ 189,666	
PROPANE	0.54	30,257	\$ 208.20	\$ 6,299	
GASOIL	7.75	436,000	\$ 418.64	\$ 183,365	
Biodiesel	1.22	68,796	\$ 820.79	\$ 63,347	
BIODIESEL	1.22	68,796	\$ 921	\$ 63,347	
Imported Methane	1.06	60,089	\$ 302.58	\$ 18,182	
NATURAL GAS FEEDSTOCK	1.06	60,089	\$ 302.58	\$ 18,182	
Other	0.90	29	\$ 2,747.18	\$ 80	
DYEGUARD GREEN MCR0M	0.00	0,5405	\$ 9,296.00	\$ 5,024	
DYEGUARD BLUE MCR2Y	0.00	1,2188	\$ 3,696.00	\$ 4,505	
KEROPUR DP 5205	0.00	13,5851	\$ 2,856.00	\$ 38,799	
KEROPUR 3576	0.00	13,6171	\$ 2,293.76	\$ 31,234	
FINISHED PRODUCTS:	97.39	5,604,909	\$ 398.91	\$ 2,195,936	
GASOLINE	25.07	1,418,743	\$ 429.15	\$ 607,996	
Natural gasoline	1.71	96,889	\$ 423.38	\$ 41,021	
92 RON GASOLINE	1.71	96,889	\$ 423.38	\$ 41,021	
Unleaded Gasoline	20.38	1,152,160	\$ 449.83	\$ 518,047	
EFIX 95 GASOLINE	0.63	35,719	\$ 480.47	\$ 17,162	
---export	0.19	10,788	\$ 473.45	\$ 5,108	
---intern	0.44	24,931	\$ 483.51	\$ 12,054	
EURO PLUS GASOLINE 10 PPM	10.93	618,045	\$ 436.66	\$ 269,873	
---export	10.93	618,045	\$ 436.66	\$ 269,873	
---intern	0.00	0	\$ -	\$ -	
EURO PLUS GASOLINE BIO	6.13	346,355	\$ 473.66	\$ 164,054	
---export	0.88	49,822	\$ 467.83	\$ 23,308	
---intern	5.25	296,533	\$ 474.64	\$ 140,746	
98 RON GASOLINE	0.12	6,684	\$ 539.84	\$ 3,609	
---export	0.00	0	\$ -	\$ -	
---intern	0.12	6,684	\$ 539.84	\$ 3,609	
EFIX 5 98 GASOLINE	0.04	2,108	\$ 525.30	\$ 1,107	
---export	0.02	873	\$ 503.45	\$ 490	
---intern	0.02	1,133	\$ 544.08	\$ 616	
EURO STANDARD GASOLINE	2.24	126,500	\$ 429.54	\$ 54,336	
EURO SUPER 98 GASOLINE	0.30	16,750	\$ 472.00	\$ 7,906	
Gasoline for chemical use	2.97	167,694	\$ 291.77	\$ 48,927	
RAFINATE	2.97	167,694	\$ 291.77	\$ 48,927	
JET FUEL	4.37	247,109	\$ 459.95	\$ 113,652	
Jet	4.37	247,109	\$ 459.95	\$ 113,652	
AVIATION TURBINE FUEL JET A1- export	1.06	60,000	\$ 441.14	\$ 26,469	
---intern	3.10	175,100	\$ 468.33	\$ 82,004	
---intern- for VGA	0.21	12,000	\$ 431.65	\$ 5,160	
Solvents	0.00	-	\$ -	\$ -	
DIESEL FUEL	48.85	2,760,973	\$ 453.03	\$ 1,250,798	
Diesel Fuel	48.80	2,758,523	\$ 453.28	\$ 1,250,377	
EURO 5 DIESEL	23.31	1,317,340	\$ 428.57	\$ 564,577	
---export	23.31	1,317,340	\$ 428.57	\$ 564,577	
---intern	0.00	0	\$ -	\$ -	
EURO 5 DIESEL (SUPER DIESEL EURO 5)	15.99	903,654	\$ 485.84	\$ 439,031	

REFINERY		Brent Dtd	\$ 45.00	7.567	\$ 340.52
Production Budget_2017			bbl	CF	mt
		Ural	\$ 44.00	7.310	\$ 321.64
		Crude Unit	13,885	today	
		Total			
No. of Days:		355			
REFINERY	Yield %	Quantity mt	Price USD/mt	Value (,000\$)	
export	0.00	0	\$ -	\$ -	
intern	15.99	903,654	\$ 485.84	\$ 439,031	
MOTORINA EURO 5 (WINTER DIESEL)	7.35	415,487	\$ 454.55	\$ 188,861	
export	1.07	60,577	\$ 432.39	\$ 26,193	
intern	6.28	354,910	\$ 458.33	\$ 162,668	
51 EFIX DIESEL	1.35	76,581	\$ 469.38	\$ 35,945	
---export	0.57	32,387	\$ 444.45	\$ 14,394	
---intern with bio component	0.78	44,193	\$ 487.65	\$ 21,551	
51 EFIX WINTER DIESEL	0.25	13,917	\$ 466.23	\$ 6,488	
---export	0.00	0	\$ -	\$ -	
---intern with bio component	0.25	13,917	\$ 466.23	\$ 6,488	
55 DIESEL	0.44	25,004	\$ 493.97	\$ 12,352	
---export	0.00	0	\$ -	\$ -	
---intern	0.44	25,004	\$ 493.97	\$ 12,352	
55 EFIX S DIESEL	0.12	6,539	\$ 477.52	\$ 3,123	
---export	0.04	2,417	\$ 445.28	\$ 1,076	
---intern	0.07	4,123	\$ 496.42	\$ 2,047	
Heating Oil	0.00	-	\$ -	\$ -	
Slurry	0.04	2,450	\$ 172.00	\$ 421	
SLURRY	0.04	2,450	\$ 172.00	\$ 421	
FUEL OIL	2.31	130,473	\$ 149.45	\$ 19,499	
Fuel Oil	2.31	130,473	\$ 149.45	\$ 19,499	
FUEL OIL	1.82	103,143	\$ 134.95	\$ 13,919	
FCC RESIDUE	0.44	25,114	\$ 208.54	\$ 5,237	
HEAVY FUEL OIL TYPE 1 MARKED	0.04	2,216	\$ 154.46	\$ 342	
GASES	4.59	259,310	\$ 252.97	\$ 65,598	
Chemical grade gas	0.98	55,275	\$ 286.83	\$ 15,843	
PROPANE FUEL	0.00	100	\$ 309.84	\$ 31	
---export	0.00	0	\$ -	\$ -	
---intern	0.00	100	\$ 309.84	\$ 31	
C5-C6 CUT	0.98	55,175	\$ 286.59	\$ 15,812	
Fuel gas	3.61	204,036	\$ 243.85	\$ 49,755	
RAFINERY FUEL GASES (SELLING)	3.61	204,036	\$ 243.85	\$ 49,755	
PROPYLENE	2.26	127,919	\$ 489.06	\$ 62,560	
Propylene	2.26	127,919	\$ 489.06	\$ 62,560	
Propane-Propylene	2.26	127,919	\$ 489.06	\$ 62,560	
LIQUIFIED PETROLEUM GAS	4.27	241,114	\$ 196.06	\$ 47,272	
Liquidified petroleum gas	3.98	224,886	\$ 194.17	\$ 43,666	
LPG (LIQUIFIED PETROLEUM GASES)	1.25	70,835	\$ 102.72	\$ 7,276	
---export	1.25	70,835	\$ 102.72	\$ 7,276	
---intern	0.00	0	\$ -	\$ -	
Bottled LPG for Domestic Use	1.41	79,566	\$ 214.23	\$ 17,046	
AUTOMOTIVE LPG FUEL	1.32	74,488	\$ 259.70	\$ 19,345	
Butane	0.00	0	\$ -	\$ -	
MTBE Raffinate	0.00	0	\$ -	\$ -	
Propane-butane Commercial	0.29	16,226	\$ 222.21	\$ 3,605	
Propane-Butane Commercial	0.29	16,226	\$ 222.21	\$ 3,605	
---export	0.29	16,226	\$ 222.21	\$ 3,605	
COMMERCIAL PROPANE-BUTANE TYPE 30/70	0.00	0	\$ -	\$ -	
PETROLEUM COKE	4.79	270,688	\$ 101.17	\$ 27,384	
Petroleum Coke	4.79	270,688	\$ 101.17	\$ 27,384	
PETCOKE BRIQUETTES	0.00	0	\$ -	\$ -	
SORTED PETROLEUM COKE FOR DOMESTIC USE					
GREEN PETROLEUM COKE TYPE 4	4.79	270,688	\$ 101.17	\$ 27,384	
---export	0.90	50,800	\$ 84.57	\$ 4,296	
---intern	3.89	219,888	\$ 105.00	\$ 23,088	
SULPHUR	0.90	50,589	\$ 45.00	\$ 2,276	
Petroleum Sulphur	0.90	50,589	\$ 45.00	\$ 2,276	
PETROLEUM SULPHUR	0.90	50,589	\$ 45.00	\$ 2,276	
---export	0.90	50,589	\$ 45.00	\$ 2,276	
---intern	0.00	0	\$ -	\$ -	
TOTAL UNFINISHED PRODUCTS:					
TOTAL LOSS	2.61	147,296			
LOSS	2.61	147,296			
Loss	2.61	147,296			
Fuel gas for burning					
Coke/Catalyst	1.16	65,437			

REFINERY Production Budget_2017	Brent Dtd	\$ 45.00	7.567	\$ 340.52
		bbl	CF	mt
	Ural	\$ 44.00	7.310	\$ 321.64
	Crude Unit	13,885	to/day	
Total				
No. of Days:	355			
REFINERY	Yield %	Quantity mt	Price USD/mt	Value (,000\$)
Hydrogen purge gas	0.55	30,946		
Technological Loss	0.90	50,912		
GROSS REFINERY P/L				\$ 258,448
GROSS REFINERY MARGIN				\$ 45.72
GROSS REFINERY P/L, excluding fuel gas				\$ 208,691
GROSS REFINERY MARGIN				\$ 36.92
Gasoline & Diesel	4,007,572			
Export	2,332,489			
Intern	1,675,083			
Gasoline Intern	329,282			
Diesel Intern	1,345,801			

white products, %

85.79

MEMBERS OF THE BOARD OF DIRECTORS:

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Catalin Dumitru

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Vasile-Gabriel Manole

PPO BU REFINING DIRECTOR
Raluca Lainer

REFINERY MANAGER
Nicolae Nitu

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Production Plan 2017

Rompetrol Rafinare

Vega Refinery

The main assumptions for production plan and sales plan 2017

1. Feedstock

Vega refinery will process raw material from Petromidia Refinery. The total feedstock for 2017 will be **340,525 tonnes** in the following structure:

- o C5-C6 cut – 55,175 tonnes
- o raffinate – 167,694 tonnes
- o hydrotreated kerosene – 12,000 tonnes
- o slurry – 2,450 tonnes
- o fuel oil – 103,143 tonnes
- o polymer for bitumen – 53 tonnes
- o dyeguard blue – 11 tonnes

2. Structure of products

FINITE PRODUCTS	domestic	export	TOTAL
	mt/year	mt/year	mt/year
Ecological solvents	0.275	43.065	43.340
n-Hexane	2.555	82.838	85.393
Naphtha gasoline	-	90.708	90.708
White spirit	1.324	7.973	9.297
Heating oils	7.141	-	7.141
Fuel oil	12.538	5.500	18.038
Bitumen	81.426	-	81.426
TOTAL	105.259	230.084	335.343



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Vega refinery is the only east European producer of N-hexane, used in polypropylene production and extraction of vegetable oils in food industry.

Vega refinery is also the only romanian producer of Ecological Solvents – Rompetrol SE, products with lower sulphur and aromatics content and lower toxicity level.

Total volume of petroleum products estimated to be delivered in 2017 is 335,343 tonnes, out of which:

- 41% domestic market;
- 59% export market.

On the export market the products are sold in India, Turkey, Ukraine, Moldova, Serbia, Hungary, Uzbekistan, Germany, Bulgaria, Poland, Austria and Italy.

3. Products Specifications

The finished products for Vega Refinery are produced according to Quality Specific Standards that are in use at the moment and comply with the internal and international standards for these products.

The table below shows a summary of 2017 VEGA-production plan:

VGA 2017	tonnes
Raw materials	340.525
Crude oil	-
Other feedstock	340.525
Finite products	335.343
Ecological solvents	43.340
n-Hexane	85.393
Naphtha gasoline	90.708
White spirit	9.297
Gasoil	3.796
Light liquid fuel	3.345
Fuel oil	18.038
Bitumen	81.426
Consumption	5.182



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4. Operational results

- Gross Refinery P/L: 33.745 k\$
- Gross Refinery Margin P/L: 99,10 \$/mt

Refinery Manager

Nicolae Nitu

PPO BU Refining Director

Raluca Lainer

VEGA REFINERY
Plan January-December 2017

No. of days	feedstock \$33 to/day			
	TOTAL 2017			
	Efficiency %	Qty (,000 mt)	Price USD/mt	Value (,000 USD)
	365			
RAW MATERIALS:	100.00	340.525	247.85	\$ 84,397.800
CRUDE OIL	0.00	0.000		0.00
OTHER RAW MATERIALS :	100.00	340.525	247.85	\$ 84,397.80
Gasoline	88.48	222.868	290.48	\$ 64,739.658
C5-C6 Cut	16.20	55.175	286.59	\$ 15,812.220
Raffinate type IV	49.25	167.694	291.77	\$ 48,927.389
Petroleum	3.82	12.000	431.86	\$ 5,179.824
JET MIDIA	3.52	12.000	431.65	\$ 5,179.824
Gas oil	0.72	2.450	170.84	\$ 418.570
Slurry	0.72	2.450	170.84	\$ 418.570
Fuel Oil	30.29	103.184	136.29	\$ 13,958.485
Dyeguard Blue	0.00	0.011	3,498.88	\$ 37.480
Fuel Oil -Midia	30.29	103.143	134.94	\$ 13,917.925
Polymer SBS	0.02	0.053	1,971.20	\$ 104.474
FINITE PRODUCTS :	88.48	333.343	352.31	\$ 118,143.182
GASOLINE :	64.44	219.441	391.99	\$ 86,017.90
Rompetrol SE	12.73	43.340	383.44	\$ 16,818.47
Rompetrol SE 30/60	12.08	41.140	376.70	\$ 15,497.64
export	12.08	41.140	376.70	\$ 15,497.64
Rompetrol SE 65/80	0.32	1.100	521.97	\$ 574.17
export	0.24	0.825	496.97	\$ 410.00
intern	0.08	0.275	596.97	\$ 164.17
Rompetrol SE 75/115	0.32	1.100	496.97	\$ 546.67
export	0.32	1.100	496.97	\$ 546.67
Naphtha gasoline	26.64	90.708	321.22	\$ 29,137.43
Light Naphtha type II - export	16.95	57.708	326.52	\$ 18,842.46
n-Hexan	25.06	86.383	471.49	\$ 40,261.99
export	24.33	82.838	469.78	\$ 38,915.97
intern	0.17	0.575	596.59	\$ 343.04
Petrochemicals	0.58	1.980	506.58	\$ 1,002.98
WHITE SPIRIT	2.84	8.973	581.65	\$ 5,219.16
Refined white spirit	2.64	8.973	581.65	\$ 5,219.16
export	2.34	7.973	581.65	\$ 4,637.51
intern	0.29	1.000	581.65	\$ 581.65
PETROLEUM	0.10	0.324	632.87	\$ 204.86
Liquid fuel for non-industrial use type P-intern	0.10	0.324	632.87	\$ 204.86
GASOL	1.11	3.796	444.40	\$ 1,686.93
Rompetrol Color Extra 1	1.11	3.796	444.40	\$ 1,686.93
intern	1.11	3.796	444.40	\$ 1,686.93
LIGHT LIQUID FUEL	0.98	3.346	415.09	\$ 1,388.48
Light liquid fuel type 3	0.21	0.700	501.73	\$ 351.21
intern	0.21	0.700	501.73	\$ 351.21
Rompetrol Color Economic 3	0.78	2.645	392.16	\$ 1,037.25
FUEL OIL	5.30	18.038	251.36	\$ 4,534.12
Fuel Oil	5.30	18.038	251.36	\$ 4,534.12
Fuel Oil 40-45	3.68	12.538	256.80	\$ 3,219.89
Fuel Oil 40-45 -export	1.62	5.500	238.95	\$ 1,314.22
BITUMEN	23.81	81.426	234.47	\$ 19,091.74
Road Bitumen	23.82	80.426	232.60	\$ 18,707.09
Bitumen type D 50/70	21.03	71.628	232.58	\$ 16,658.57
Bitumen type D 70/100	1.41	4.800	232.79	\$ 1,117.37
Bitumen type D 180/220	1.17	4.000	232.79	\$ 931.14
Modified Bitumen	0.29	1.000	384.65	\$ 384.65
Road bitumen type EUROBITUM	0.29	1.000	384.65	\$ 384.65
UNFINISHED PRODUCTS	0.00	0.000		0.00
TOTAL CONSUMPTION :	1.52	5.182		0.00
CONSUMPTION	1.52	5.182		0.00
Consumption	1.52	5.182		0.00
Technological consumption	1.52	5.182		0.00
GROSS REFINERY P/L				33,745.3
GROSS REFINERY MARGIN				99.1

MEMBERS OF THE BOARD OF DIRECTORS:

Chairman

Catalin Dumitru

Member and General Manager

Yedii Utekov

Interim Member

Alexey Golovin

Member

Markus Mitrus

Member

Mihai-Uviu Mihalache

CHIEF FINANCIAL OFFICER

Vasile-Gabriel Manole

PPO BU REFINING DIRECTOR

Raluca Lainer

REFINERY MANAGER

Nicolae Nitu



rompetrol

KazMunayGas
Group
Member

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2017 Plan for Production activity Rompetrol Refinery

PETROCHEMICALS AREA

The main assumptions for production plan and sales plan 2017

Production Plan for PETROCHEMICALS AREA – 2017

POLYMERS PRODUCTION: 157,254 mt, out of which:

- PP : 86,840 mt,
- LDPE : 70,414 mt,

PROPYLENE TYPE P PRODUCTION: 6,710 mt

Feedstock

Raw materials planned to be processed in 2017 (mt/year):

- Propane-propylene mixture : 126,821 mt from FCC
- Ethylene : 72,362 mt

1. Commercial Assumptions

2.1 Prices

2.1.1 Raw materials prices:

- Propane-propylene mixture 489 \$/mt;
- Ethylene 1106 \$/mt

2.1.2 Products

- PP 1065 \$/mt (crack 576 \$/mt)
- LDPE 1372 \$/mt (crack 266 \$/mt)

2.1.3 Utilities costs are estimated to be 142.9 \$/polymer mt, meaning **22.473 mil \$.**



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2.2 Sales (mt/year)

Sales	157,254	Domestic		Export	
PP	86,840	35,300	40.6%	51,540	59.4%
LDPE	70,414	26,580	37.7%	43,834	62.3%

The table below shows a summary of 2017 PETROCHEMICAL AREA-production plan:

tone/year

Total Feedstock	199,183
Propane-propylene mixture	126,821
Ethylene	72,362
Polymers production	157,254
PP	86,840
LDPE	70,414
Propylene type P production	6,710

Petrochemical Area Manager

Traian Stanica

PPO BU Refining Director

Raluca Lainer

PETROMICALS AREA

Production Budget_2017

tone/year

Total Feedstock	199183
Propane-propylene mixture	126821
Ethylene	72362
Polymers production	157254
PP	86840
LDPE	70414
Propylene type P production	6710

tone/year

Sales	157254	Domestic		Export	
PP	86840	35300	40.6%	51540	59.4%
LDPE	70414	26580	37.7%	43834	62.3%

THE BOARD OF DIRECTORS:

Chairman
Cătălin Dumitru



Member and General Manager
Yedil Utekov



Interim Member
Alexey Golovin



Member
Marius Mitruș



Member
Mihai-Liviu Mihalache



Financial Manager
Vasile-Gabriel Manole



PPO BU Refining Director
Raluca Lainer



Petrochemicals Area Manager
Traian Stănică

