



GOVERNMENT OF THE REPUBLIC OF TRINIDAD AND TOBAGO
MINISTRY OF ENERGY AND ENERGY INDUSTRIES

CONSOLIDATED MONTHLY BULLETINS

JANUARY - APRIL 2018



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Image on Cover Page : Petroleum Company of Trinidad and Tobago Refinery at Pointe-a-Pierre [Source : www.cnc3.co.tt]

LIST OF ABBREVIATIONS USED

Company and Facility Names

ALNG	- Atlantic LNG	PCS (Urea)	- PCS Nitrogen Urea Plant
ATLAS	- Atlas Methanol Plant	PCSL	- Petroleum Contracting Services Limited
AUM-NH3	- Ammonia Plant from AUM Complex	PERENCO	- Perenco Trinidad & Tobago
AVDWL	- A&V Drilling and Workover Limited	PLNL	- Point Lisas Nitrogen Ltd (formerly Farmland MissChem Ltd)
AVOGL	- A&V Oil & Gas Ltd	POGTL	- Primera Oil & Gas T'dad Ltd
BHP	- BHP Billiton (Trinidad) Limited	PPGPL	- Phoenix Park Gas Processors Ltd
BOLT	- Beach Oilfield Trinidad Limited	PRIM	- Primera Oil and Gas Ltd (formerly PCOL)
BPTT	- BP Trinidad and Tobago LLC	PTRIN	- Petroleum Company of Trinidad and Tobago Ltd
CMC (M2)	- Caribbean Methanol Company Ltd (& Plant)	RALCOFF	- Ralph Coffman Rig
CNC	- Caribbean Nitrogen Company Ltd (& Plant)	REXLII	- Rowan EXL II Rig
DE NOVO	- De Novo Energy	RPTTL	- Rocky Point T&T Ltd
DOV	- Diamond Ocean Victory Rig	RRDSL	- Range Resources Drilling Services Ltd
EOG	- EOG Resources Trinidad Ltd	SHELL	- Shell Trinidad Ltd
EOGUA	- EOG Resources Trinidad Block U (a) Unlimited	TEPGL	- Trinity Exploration & Production (Galeota)Ltd (formerly Bayfield Energy Galeota Ltd)
FETL	- Fram Exploration Trinidad Limited	TEPL	- Trinity Exploration & Production Ltd (formerly Ten Degrees North Energy Ltd)
JOEDOUG	- Joe Douglas Rig	TETL	- Touchstone Exploration (Trinidad) Ltd
LOL	- Lease Operators Ltd	TITAN	- Titan Methanol Plant
MIV (M4)	- Methanol IV Company Ltd Plant	TMAR	- Trinmar Strategic Business Unit, Petrotrin
M5000 (M5)	- M5000 Methanol Plant	TRINGEN I & II	- Trinidad Nitrogen Company Ltd Plants I & II
MAERSK DEV	Maersk Developer	TTMC I (M1)	- Trinidad and Tobago Methanol Company Ltd Plant I
MEPR	- Massy Energy Production Resources	TTMC II (M3)	- Trinidad and Tobago Methanol Company Ltd Plant II
N2000	- Nitrogen 2000 Unlimited	TWSC	- Tallon Well Services Company
NGC	- The National Gas Company of Trinidad & Tobago Ltd	WSL	- Well Services Petroleum Company Limited
NHETT	- New Horizon Energy Trinidad and Tobago Ltd	WWL	- Walkerwell Limited
PCS 01,02,03,04	- PCS Nitrogen Ammonia Plants 1, 2, 3, 4	YARA	- Yara Trinidad Ltd

LIST OF ABBREVIATIONS USED

Units

BBLs	- Barrels
BCPD	- Barrels of condensate per day
BOPD	- Barrels of oil per day
BPCD	- Barrels per calendar day
FT (or ft)	- Feet
M ³	- Cubic Metres
MMBTU	- Millions of British Thermal Units
MMSCF	- Millions of Standard Cubic feet
MMSCF/D	- Millions of Standard Cubic Feet per day
MSCF	- Thousands of Standard Cubic Feet
MT	- Metric Tonnes

Products

CNG	- Compressed Natural Gas
LNG	- Liquefied Natural Gas
LPG	- Liquefied Petroleum Gas
NGLs	- Natural Gas Liquids
NH ₃	- Ammonia
UAN	- Urea Ammonium Nitrate

Other

ATD	- Authorised Total Depth	LO	- Lease Operators
CB	- Central Block	NCMA	- North Coast Marine Area
DEV	- Development	PAP	- Pointe-a-Pierre
ECMA	- East Coast Marine Area	ST	- Sidetrack
EXPL	- Exploration	TD	- Total Depth
FO	- Farmouts	wef	- with effect from
IPSC	- Incremental Production Service Contract(s)	wo	- workover
KOP	- Kick-off Point		

TABLE 1A - CRUDE OIL & CONDENSATE PRODUCTION IN 2018 (BOPD)

	SHELL ECMA	BPTT	TMAR	PTRIN	PTRIN (LO)	PTRIN (IPSC)	PTRIN (FO)	TEPGL	PRIM	EOG	BOLT	TEPL	SHELL CB	MEPR	NHETT	BHP	PERENCO	SUBTOTAL		TOTAL
																		LAND	MARINE	
Jan-18	417	9,585	20,103	11,743	6,302	2,301	628	1,076	281	1,668	0	245	464	58	67	5,547	8,547	21,845	47,188	69,033
Feb-18	390	8,202	19,072	11,833	6,083	2,220	584	1,052	273	1,571	0	236	420	83	67	5,937	11,595	21,563	48,055	69,618
Mar-18	386	7,382	19,025	12,657	6,040	988	543	1,044	281	1,547	1	253	394	75	56	4,066	11,147	21,036	44,850	65,886
Apr-18	222	6,764	19,513	12,711	7,036	1,018	655	<i>1,066</i>	287	<i>1,473</i>	3	<i>252</i>	465	68	67	4,980	12,188	22,311	46,458	68,769
May-18																				
Jun-18																				
Jul-18																				
Aug-18																				
Sep-18																				
Oct-18																				
Nov-18																				
Dec-18																				
AVG 2018	354	7,988	19,436	12,242	6,367	1,622	603	1,060	281	1,565	1	247	436	71	64	5,114	10,840	21,687	46,604	68,291

NOTE: Figures in *RED/Italics* are preliminary.

TABLE 1B - CONDENSATE PRODUCTION (ONLY) IN 2018 (BOPD)						
	BPTT	SHELL ECMA	SHELL CB	EOG	NGC	TOTAL
Jan-18	9,117	417	464	1,668	181	11,847
Feb-18	7,744	390	420	1,571	125	10,250
Mar-18	7,024	386	394	1,547	160	9,510
Apr-18	6,719	222	465	<i>1,473</i>	128	9,007
May-18						
Jun-18						
Jul-18						
Aug-18						
Sep-18						
Oct-18						
Nov-18						
Dec-18						
AVG 2018	7,656	354	436	1,565	149	10,161

NOTE: NGC production is condensate received at Beachfield from NGC offshore pipelines.

NOTE: Figures in *RED/Italics* are preliminary.

TABLE 2A - DRILLING RIGS IN USE IN 2018

	MARINE			LAND		
	SHELL	BPTT	DE NOVO	PTRIN	PRIMERA	PTRIN (LO)
Jan-18	MAERSK DEV	-	WSL RIG # 110	PTRIN RIG #1	-	PCSL # 8
Feb-18	MAERSK DEV	JOEDOUG	WSL RIG # 110	PTRIN RIG #1	WWL Rig #1	PCSL # 8 & WSL # 4
Mar-18	MAERSK DEV	JOEDOUG	WSL RIG # 110	PTRIN RIG #1	-	PCSL # 8, WSL # 4, TALON 38
Apr-18	MAERSK DEV	JOEDOUG	WSL RIG # 110	PTRIN RIG #1	-	PCSL # 8, TALON 38
May-18						
Jun-18						
Jul-18						
Aug-18						
Sep-18						
Oct-18						
Nov-18						
Dec-18						

TABLE 2B - RIG DAYS IN 2018

	PTRIN	BPTT	PTRIN (LO)	PRIMERA	SHELL	DE NOVO	TOTAL
Jan-18	20	0	14	0	27	31	92
Feb-18	28	5	42	11	19	28	133
Mar-18	11	31	37	0	27	31	137
Apr-18	3	30	49	0	30	30	142
May-18							
Jun-18							
Jul-18							
Aug-18							
Sep-18							
Oct-18							
Nov-18							
Dec-18							
TOTAL	62	66	142	11	103	120	504

TABLE 2C - DEPTH DRILLED IN 2018 (FT)							
	PTRIN	PTRIN (LO)	PRIMERA	BPTT	SHELL	DE NOVO	TOTAL
Jan-18	3,649	3,630	0	0	8,105	8,030	23,414
Feb-18	4,134	13,178	360	2,357	8,691	2,434	31,154
Mar-18	3,089	11,228	0	12,165	0	0	26,482
Apr-18	0	9,518	0	4,324	651	5,173	19,666
May-18							
Jun-18							
Jul-18							
Aug-18							
Sep-18							
Oct-18							
Nov-18							
Dec-18							
TOTAL	10,872	37,554	360	18,846	17,447	15,637	100,716

TABLE 2D - WELLS STARTED IN 2018

COMPANY/OPERATOR	FIELD/BLOCK	WELL NUMBER	RIG NAME	CLASSIFICATION	DATE SPUDDED	DATE COMPLETED	TD (ft)	ATD (ft)
DE NOVO	IGUANA	IGU-IGUA-IGUANA A1XSTI	WSL Rig 110	DEV	24-Jan-18	17-Feb-18	5,662	6,248
SHELL	STARFISH	STARFISH -5	MAERSK DEV	DEV	7-Jan-18	-	8,756	8,562
PTRIN (LO) (PCSL)	PALO SECO	PAS-LAND-1510	PCSL #8	DEV	18-Jan-18	-	3,630	3,600
PTRIN	PT FORTIN CENTRAL	PFC-LAND-463	PTRIN RIG #1	DEV	10-Jan-18	1-Mar-18	3,649	3,649
PTRIN (LO)(PCSL)	PALO SECO	PAS-LAND-1511	PCSL #8	DEV	8-Feb-18	-	3,333	3,400
PTRIN (LO)(TETL)	PALO SECO	PAS-LAND-602	WSL # 4	DEV	3-Feb-18	-	5,378	5,400
PTRIN (LO)(OSL)	FYZABAD	FYZ-LAND-1051	WSL # 4	DEV	17-Feb-18	-	4,467	4,500
PTRIN	PT FORTIN CENTRAL	PFC-LAND-464	PTRIN RIG #1	DEV	8-Feb-18	8-Mar-18	3,165	3,200
PTRIN	PT FORTIN CENTRAL	PFC-LAND-465	PTRIN RIG #1	DEV	22-Feb-18	-	4,058	4,075
POGTL	FYZABAD	FYZ-LAND-305	WWL RIG # 1	DEV	6-Feb-18	24-Feb-18	205	200
POGTL	FYZABAD	FYZ-LAND-306	WWL RIG # 1	DEV	15-Feb-18	7-Mar-18	155	200
SHELL	STARFISH	STA-NOP-09ST1	MAERSK DEV	DEV	8-Feb-18	-	8,356	8,163
BPTT	PARANG	PAR-CAN-01	JOEDOUG	DEV	24-Feb-18	1-Apr-18	14,522	14,094
DE NOVO	IGUANA	IGU-IGUA-IGUANA A1XST1X	WSL Rig 110	DEV	17-Feb-18	13-Mar-18	5,796	6,083
PTRIN (LO)(TETL)	COORA	COO-LAND-370	PCSL #8	DEV	30-Mar-18	-	3,820	3,820
PTRIN (LO)(OSL)	PALO SECO	PAS-LAND-603	WSL #4	DEV	11-Mar-18	-	6,050	6,000
PTRIN (LO)(TETL)	FOREST RESERVE	FOR-LAND-1792	TALON 38	DEV	16-Mar-18	-	4,700	4,700
PTRIN (LO)(TETL)	COORA	COO-LAND-371	PCSL #8	DEV	23-Apr-18	-	1,476	4,530
PTRIN (LO)(TETL)	FOREST RESERVE	FOR-LAND-1793	TALON 38	DEV	11-Apr-18	-	4,700	4,700
BPTT	PARANG	PAR-CAN-01X	JOEDOUG	DEV	1-Apr-18	-	14,522	14,437

TABLE 2E - WELL COMPLETIONS IN 2018

	WELL COMPLETIONS - OIL					WELL COMPLETIONS - GAS					WELL COMPLETIONS - OTHER*				TOTAL COMPLETIONS
	PTRIN (LO)	PTRIN (IPSC)	TMAR	PTRIN	TOTAL OIL	BPTT	SHELL	DE NOVO	EOG	TOTAL GAS	PRIM	BPTT	DE NOVO	TOTAL OTHER	
Jan-18	1	0	0	0	1	0	0	0	0	0	0	0	1	1	2
Feb-18	0	0	0	0	0	0	0	0	1	1	1	0	1	2	3
Mar-18	0	0	0	3	3	0	0	1	0	1	1	0	0	1	5
Apr-18	0	0	0	1	1	0	0	0	0	0	0	1	0	1	2
May-18															
Jun-18															
Jul-18															
Aug-18															
Sep-18															
Oct-18															
Nov-18															
Dec-18															
TOTAL	1	0	0	4	5	0	0	1	1	2	2	1	2	5	12

*NOTE: Includes Abandonments.

TABLE 2F - MEEI APPROVED WORKOVERS COMPLETED AND WINCH HOURS IN 2018

	TMAR	PERENCO	PTRIN	PRIM	PTRIN (LO)	BPTT	TOTAL WORKOVERS COMPLETED	TOTAL WINCH HOURS
Jan-18	1	0	8	1	6	2	18	2,539
Feb-18	1	0	9	2	6	2	20	2,409
Mar-18	1	4	9	0	0	0	14	2,925
Apr-18	0	0	7	1	4	0	12	1,302
May-18								
Jun-18								
Jul-18								
Aug-18								
Sep-18								
Oct-18								
Nov-18								
Dec-18								
TOTAL	3	4	33	4	16	4	64	9,175

TABLE 3A - NATURAL GAS PRODUCTION BY COMPANY IN 2018 (MMSCF/D)

COMPANY	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	AVG 2018
BPTT	2,276	2,070	2,206	<i>2,106</i>									<i>2,164</i>
TMAR	22	<i>16</i>	<i>16</i>	<i>16</i>									<i>18</i>
PTRIN	2	2	2	<i>2</i>									<i>2</i>
EOG	525	529	<i>525</i>	<i>526</i>									<i>526</i>
SHELL	555	548	530	<i>468</i>									<i>525</i>
BHP	470	405	392	<i>417</i>									<i>421</i>
PERENCO	<i>60</i>	<i>60</i>	<i>60</i>	<i>45</i>									<i>56</i>
TOTAL	<i>3,910</i>	<i>3,629</i>	<i>3,730</i>	<i>3,579</i>	0	0	0	0	0	0	0	0	<i>3,712</i>

TABLE 3B - NATURAL GAS UTILIZATION BY SECTOR IN 2018 (MMSCF/D)

SECTOR	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	AVG 2018
Power Generation	224	218	233	236									228
Ammonia Manufacture	570	545	555	543									553
Methanol Manufacture	490	530	535	502									514
Refinery	63	65	51	57									59
Iron & Steel Manufacture	50	23	50	47									42
Cement Manufacture	8	12	13	16									12
Ammonia Derivatives	22	22	20	21									21
Gas Processing	25	25	24	24									25
Small Consumers	8	8	8	8									8
LNG	2,158	1,934	2,033	<i>1,912</i>									<i>2,009</i>
TOTAL	3,618	3,381	3,523	<i>3,367</i>	0	0	0	0	0	0	0	0	<i>3,472</i>

NOTE: Figures in *RED/Italics* are preliminary.

NOTE (For Table 3A): 100 % of Joint Venture field production is reported by the Operator

NOTE (for Table 3B) : Ammonia Derivatives are Urea, UAN and Melamine

TABLE 4A - CRUDE OIL IMPORTS IN 2018 (BBLs)

CRUDE TYPE	COUNTRY	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
Coco	Congo	-	-	-	-									-
Es Sider	Libya	-	-	-	-									-
Hibernia	Canada	-	-	-	568,126									
Lucina	Gabon	-	-	-	275,262									275,262
Lula	Brazil	-	-	-	-									-
Mandji	Gabon	-	-	450,353	-									450,353
Oguendjo	Gabon	-	-	738,672	467,584									1,206,256
Roncador	Brazil	-	-	-	-									-
Varandey	Russia	1,480,136	1,520,855	-	750,241									3,751,232
Vasconia	Colombia	997,455	950,832	999,803	501,017									3,449,107
Woodbourne	Barbados	-	59,388	-	-									59,388
TOTAL		2,477,591	2,531,075	2,188,828	2,562,230	-	-	-	-	-	-	-	-	9,191,598

TABLE 4B - CRUDE OIL EXPORTS IN 2018 (BBLs)

CRUDE TYPE	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
Galeota Mix	760,640	380,383	760,514	379,968									2,281,505
Calypso Crude	-	500,736	-	-									500,736
TOTAL	760,640	881,119	760,514	379,968	-	-	-	-	-	-	-	-	2,782,241

TABLE 4C - PETROTRIN PAP REFINERY SALES IN 2018 (BBLs)

LOCAL SALES (BBLs)													
PRODUCT	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
Liquefied Petroleum Gas	50,567	41,374	46,727	38,975									177,643
Motor Gasoline	360,572	339,584	380,609	374,892									1,455,657
Naphtha	-	-	-	-									-
Aviation Gasoline	-	-	-	-									-
Kerosine/Jet	87,629	84,370	79,219	86,010									337,228
Gas Oils /Diesel	269,909	258,231	287,626	298,419									1,114,185
Fuel Oils	-	-	-	-									-
Bitumen	2,903	2,838	5,378	7,244									18,363
Sulphur	-	-	-	-									-
Other Refined/Unfinished Prod.	-	-	-	-									-
TOTAL	771,580	726,397	799,559	805,540	-	-	-	-	-	-	-	-	3,103,076
EXPORT SALES (BBLs)													
PRODUCT	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
Liquefied Petroleum Gas	-	-	-	-									-
Motor Gasoline	1,005,573	755,644	925,871	980,587									3,667,675
Naphtha	-	-	-	-									-
Aviation Gasoline	-	-	-	-									-
Kerosine/Jet	323,716	394,588	370,577	271,252									1,360,133
Gas Oils /Diesel	775,604	646,447	507,328	395,968									2,325,347
Fuel Oils	1,248,281	1,120,921	1,007,127	1,159,048									4,535,377
Bitumen	-	-	-	-									-
Sulphur	-	-	-	-									-
Other Refined/Unfinished Prod.	-	-	-	-									-
TOTAL	3,353,174	2,917,600	2,810,903	2,806,855	-	-	-	-	-	-	-	-	11,888,532

TABLE 4D - PETROTRIN PAP REFINERY OUTPUT IN 2018 (BBLs)

PRODUCT	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
Liquefied Petroleum Gas	(46,926)	(44,561)	(24,636)	(58,319)									(174,442)
Motor Gasoline	1,343,388	1,332,786	1,004,494	1,306,855									4,987,523
Aviation Gasoline	10,231	(12,523)	11,502	(17,139)									(7,929)
Kerosine/Jet	462,519	399,438	351,652	368,809									1,582,418
Gas Oils / Diesel	859,103	1,055,116	661,271	895,288									3,470,778
Fuel Oils	1,231,887	1,149,702	1,299,730	1,340,295									5,021,614
Bitumen	315	7,058	1,470	7,184									16,027
Sulphur	-	-	-	-									-
Other Refined/Unfinished Prod.	(111,384)	(240,346)	321,311	16,040									(14,379)
Refinery Loss/(Gain)	80,201	(2,059)	112,695	(14,124)									176,713
Refinery Gas	69,519	63,918	60,286	75,596									269,319
TOTAL	3,898,853	3,708,529	3,799,775	3,920,485	-	-	-	-	-	-	-	-	15,327,642

TABLE 4E - PETROTRIN PAP REFINERY THROUGHPUT IN 2018 (BBLs & BOPD)

	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	AVG 2018
Throughput (BBLs)	3,898,853	3,708,529	3,799,775	3,920,485									3,831,911
Throughput (BOPD)	125,769	132,447	122,573	130,683									127,868

TABLE 5A - PRODUCTION AND EXPORT OF NGLS FROM PPGPL IN 2018 (BBLs)

PRODUCTION (BBLs)													
PRODUCT	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
Propane	305,708	239,449	266,237	237,554									1,048,948
Butane	255,385	200,401	204,668	200,758									861,212
Natural Gasoline	335,360	268,260	241,622	289,187									1,134,429
TOTAL	896,453	708,110	712,527	727,499	0	0	0	0	0	0	0	0	3,044,589
EXPORT (BBLs)													
PRODUCT	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
Propane	203,018	427,178	287,090	248,322									1,165,608
Butane	33,904	228,214	189,415	142,952									594,485
Natural Gasoline	324,929	315,061	315,128	319,716									1,274,834
TOTAL	561,851	970,453	791,633	710,990	0	0	0	0	0	0	0	0	3,034,927

NOTE: Local NGL sales from ALNG are to mainly PPGPL. These sold NGL volumes have been included in PPGPL's production data.

TABLE 5B - PRODUCTION AND EXPORT OF AMMONIA IN 2018 (MT)

PRODUCTION (MT)													
PLANT	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
YARA	23,708	23,704	25,581	24,727									97,720
TRINGEN I	37,320	26,376	36,081	42,981									142,758
TRINGEN II	47,096	43,125	43,800	7,675									141,696
PCS (01,02,03,04)	177,182	167,662	184,780	157,913									687,537
PLNL	60,846	54,451	59,138	58,187									232,622
CNC	34,570	0	0	37,663									72,233
N2000	55,370	49,987	55,005	53,215									213,577
AUM-NH3	6,273	7,802	51,776	4,398									70,249
TOTAL	442,365	373,107	456,161	386,759	0	0	0	0	0	0	0	0	1,658,392

EXPORT (MT)													
PLANT	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
YARA	12,399	22,681	30,272	37,060									102,412
TRINGEN I	25,385	44,690	31,951	44,817									146,843
TRINGEN II	39,143	31,755	63,709	9,351									143,958
PCS (01,02,03,04)	141,203	111,197	146,651	94,226									493,277
PLNL	72,361	64,993	86,856	44,683									268,893
CNC	20,569	31,714	40,164	36,263									128,710
N2000	33,436	34,971	56,450	53,345									178,202
AUM-NH3	0	0	0	0									0
TOTAL	344,496	342,001	456,053	319,745	0	0	0	0	0	0	0	0	1,462,295

TABLE 5C - PRODUCTION AND EXPORT OF DOWNSTREAM AMMONIA PRODUCTS IN 2018 (MT)

PRODUCTION (MT)													
PRODUCT	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
Urea	62,873	55,360	65,256	57,621									241,109
UAN	103,468	100,188	31,079	54,179									288,914
Melamine	1,939	2,287	358	2,594									7,178
TOTAL	168,280	157,835	96,693	114,394	0	0	0	0	0	0	0	0	537,201
EXPORT (MT)													
PRODUCT	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
Urea	57,750	44,086	69,245	67,200									238,282
UAN	77,145	76,146	69,983	94,642									317,916
Melamine	1,280	2,020	840	2,200									6,340
TOTAL	136,175	122,252	140,068	164,042	0	0	0	0	0	0	0	0	562,538

TABLE 5D - PRODUCTION AND EXPORT OF METHANOL IN 2018 (MT)

PRODUCTION (MT)													
PLANT	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
TTMC I	0	0	0	0									0
CMC	3,949	0	0	0									3,949
TTMC II	44,589	41,352	50,872	41,414									178,227
MIV	43,500	44,381	50,368	45,538									183,787
TITAN	64,729	64,275	68,670	56,695									254,369
ATLAS	117,908	140,849	155,268	145,193									559,218
M5000	150,902	132,543	159,058	150,325									592,828
TOTAL	425,577	423,400	484,236	439,165	0	0	0	0	0	0	0	0	1,772,378
EXPORT (MT)													
PLANT	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
TTMC I	17,493	0	0	0									17,493
CMC	58,895	86,906	62,938	90,187									298,926
TTMC II	59,052	70,554	68,223	82,152									279,981
MIV	0	0	0	0									0
TITAN	84,052	61,598	79,271	57,374									282,295
ATLAS	132,074	142,959	138,999	162,003									576,035
M5000	120,273	46,163	146,899	102,187									415,522
TOTAL	471,839	408,180	496,330	493,903	0	0	0	0	0	0	0	0	1,870,252

TABLE 5E (I) - PRODUCTION OF LNG FROM ALNG IN 2018 (M³)

	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
Train 1	715,842	542,405	375,924	216,346									1,850,517
Train 2	577,267	504,805	561,478	623,140									2,266,690
Train 3	444,282	306,755	653,349	669,303									2,073,689
Train 4	955,259	822,856	970,743	816,851									3,565,709
TOTAL	2,692,650	2,176,821	2,561,494	2,325,640	0	0	0	0	0	0	0	0	9,756,605

TABLE 5E (II) - PRODUCTION OF LNG FROM ALNG IN 2018 (MMBTU)**

	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
Train 1	16,141,736	12,201,726	8,485,808	4,798,295									41,627,564
Train 2	12,858,045	11,216,161	12,519,050	13,958,211									50,551,468
Train 3	9,962,491	6,949,995	14,607,316	14,986,163									46,505,964
Train 4	21,484,539	18,437,076	21,812,886	18,371,061									80,105,562
TOTAL	60,446,811	48,804,958	57,425,060	52,113,729	0	0	0	0	0	0	0	0	218,790,558

** NOTE : M³ converted to MMBTU ; conversion factors vary by train & by month.

TABLE 5F(I) - LNG SALES & DELIVERIES FROM ALNG IN 2018 (MMBTU)

	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
Train 1	14,469,645	11,666,617	11,431,271	11,729,741									49,297,274
Train 2	12,368,319	8,092,248	14,760,521	14,495,049									49,716,137
Train 3	8,770,794	11,572,267	13,712,876	9,602,603									43,658,540
Train 4	25,771,026	18,670,700	16,261,533	16,480,982									77,184,241
TOTAL	61,379,784	50,001,832	56,166,201	52,308,375	0	0	0	0	0	0	0	0	219,856,192

TABLE 5F(II) - LNG SALES & DELIVERIES FROM ALNG IN 2018 (M³)***

	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
Train 1	641,689	518,618	506,409	528,872									2,195,588
Train 2	555,281	364,207	662,008	647,106									2,228,602
Train 3	391,138	510,770	613,343	428,866									1,944,117
Train 4	1,145,847	833,283	723,690	732,811									3,435,631
TOTAL	2,733,955	2,226,878	2,505,450	2,337,654	0	0	0	0	0	0	0	0	9,803,937

*** NOTE : MMBTU converted to M³ ; conversion factors vary by train & by month. Figures in *RED/Italics* are preliminary.

TABLE 5G - NGL SALES & DELIVERIES FROM ALNG IN 2018 (BBLs)

NGL SALES AND DELIVERIES (BBLs)													
	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
Train 1	157,985	111,463	63,295	43,115									375,858
Train 2	45,426	31,992	47,160	66,533									191,111
Train 3	89,299	56,094	135,061	105,924									386,378
Train 4	198,845	178,086	206,262	169,597									752,790
TOTAL	491,555	377,635	451,778	385,169	0	0	0	0	0	0	0	0	1,706,137

NOTE: Local NGL sales from ALNG are to mainly PPGPL. Local NGL deliveries are to Petrotrin. Sold & delivered NGL volumes have been included in both PPGPL's & Petrotrin's production data.