



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

# CONSOLIDATED MONTHLY BULLETINS

## JANUARY - MARCH 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](http://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		Products	
BBLs	- Barrels	CNG	- Compressed Natural Gas
BCPD	- Barrels of condensate per day	LNG	- Liquefied Natural Gas
BOPD	- Barrels of oil per day	LPG	- Liquefied Petroleum Gas
BPCD	- Barrels per calendar day	NGLs	- Natural Gas Liquids
FT (or ft)	- Feet	NH3	- Ammonia
M <sup>3</sup>	- Cubic Metres	UAN	- Urea Ammonium Nitrate
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		
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	<i>1,050</i>	273	<i>1,572</i>	0	<i>231</i>	420	83	67	5,937	11,595	21,563	48,049	69,612
Mar-18	386	7,382	19,025	12,657	6,040	988	543	<i>946</i>	281	<i>1,544</i>	1	<i>245</i>	394	75	56	4,066	11,147	21,036	44,742	65,777
Apr-18																				
May-18																				
Jun-18																				
Jul-18																				
Aug-18																				
Sep-18																				
Oct-18																				
Nov-18																				
Dec-18																				
<b>AVG 2018</b>	<b>398</b>	<b>8,396</b>	<b>19,411</b>	<b>12,086</b>	<b>6,144</b>	<b>1,823</b>	<b>585</b>	<b>1,023</b>	<b>279</b>	<b>1,595</b>	<b>0</b>	<b>241</b>	<b>426</b>	<b>71</b>	<b>63</b>	<b>5,158</b>	<b>10,391</b>	<b>21,478</b>	<b>46,613</b>	<b>68,092</b>

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	<i>1,572</i>	125	10,251
Mar-18	7,024	386	394	<i>1,544</i>	160	9,507
Apr-18						
May-18						
Jun-18						
Jul-18						
Aug-18						
Sep-18						
Oct-18						
Nov-18						
Dec-18						
<b>AVG 2018</b>	<b>7,969</b>	<b>398</b>	<b>426</b>	<b>1,595</b>	<b>156</b>	<b>10,545</b>

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						
May-18						
Jun-18						
Jul-18						
Aug-18						
Sep-18						
Oct-18						
Nov-18						
Dec-18						

**TABLE 2B - RIG DAYS IN 2018**

	<b>PTRIN</b>	<b>BPTT</b>	<b>PTRIN (LO)</b>	<b>PRIMERA</b>	<b>SHELL</b>	<b>DE NOVO</b>	<b>TOTAL</b>
Jan-18	20	0	14	0	27	31	<b>92</b>
Feb-18	28	5	42	11	19	28	<b>133</b>
Mar-18	11	31	37	0	27	31	<b>137</b>
Apr-18							
May-18							
Jun-18							
Jul-18							
Aug-18							
Sep-18							
Oct-18							
Nov-18							
Dec-18							
<b>TOTAL</b>	<b>59</b>	<b>36</b>	<b>93</b>	<b>11</b>	<b>73</b>	<b>90</b>	<b>362</b>

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							
May-18							
Jun-18							
Jul-18							
Aug-18							
Sep-18							
Oct-18							
Nov-18							
Dec-18							
<b>TOTAL</b>	<b>10,872</b>	<b>28,036</b>	<b>360</b>	<b>14,522</b>	<b>16,796</b>	<b>10,464</b>	<b>81,050</b>

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	-	8,105	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	26-Mar-18	8,356	8,163
BPTT	PARANG	PAR-CAN-01	JOEDOUG	DEV	24-Feb-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)	PALO SECO	COO-LAND-370	PCSL #8	DEV	30-Mar-18	-	478	3820

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	DE NOVO	TOTAL OTHER	
Jan-18	1	0	0	0	1	0	0	0	0	0	0	1	1	2
Feb-18	0	0	0	0	0	0	0	0	1	1	1	1	2	3
Mar-18	0	0	0	2	2	0	1	1	0	2	1	0	1	5
Apr-18														
May-18														
Jun-18														
Jul-18														
Aug-18														
Sep-18														
Oct-18														
Nov-18														
Dec-18														
<b>TOTAL</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>10</b>

\*NOTE: Includes Abandonments.

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

	<b>TMAR</b>	<b>PERENCO</b>	<b>PTRIN</b>	<b>PRIM</b>	<b>PTRIN (LO)</b>	<b>BPTT</b>	<b>TOTAL WORKOVERS COMPLETED</b>	<b>TOTAL WINCH HOURS</b>
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	10	0	1	0	16	2,770
Apr-18								
May-18								
Jun-18								
Jul-18								
Aug-18								
Sep-18								
Oct-18								
Nov-18								
Dec-18								
<b>TOTAL</b>	<b>3</b>	<b>4</b>	<b>27</b>	<b>3</b>	<b>13</b>	<b>4</b>	<b>54</b>	<b>7,718</b>

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	<i>2,209</i>										<i>2,185</i>
TMAR	<i>16</i>	<i>16</i>	<i>16</i>										<i>16</i>
PTRIN	<i>2</i>	<i>2</i>	<i>2</i>										<i>2</i>
EOG	525	<i>528</i>	<i>525</i>										<i>526</i>
SHELL	555	<i>550</i>	<i>525</i>										<i>543</i>
BHP	470	405	<i>411</i>										<i>428</i>
PERENCO	<i>60</i>	<i>60</i>	<i>60</i>										<i>60</i>
<b>TOTAL</b>	<b><i>3,904</i></b>	<b><i>3,631</i></b>	<b><i>3,748</i></b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b><i>3,761</i></b>

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										225
Ammonia Manufacture	570	545	555										557
Methanol Manufacture	490	530	535										518
Refinery	63	65	51										60
Iron & Steel Manufacture	50	23	50										41
Cement Manufacture	8	12	13										11
Ammonia Derivatives	22	22	20										21
Gas Processing	25	25	24										25
Small Consumers	8	8	8										8
LNG	<i>2,071</i>	<i>1,911</i>	<i>2,028</i>										<i>2,003</i>
<b>TOTAL</b>	<b><i>3,531</i></b>	<b><i>3,358</i></b>	<b><i>3,517</i></b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b><i>3,469</i></b>

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	-	-	-										-
Lucina	Gabon	-	-	-										-
Lula	Brazil	-	-	-										-
Mandji	Gabon	-	-	450,353										450,353
Oguendjo	Gabon	-	-	738,672										738,672
Roncador	Brazil	-	-	-										-
Varandey	Russia	1,480,136	1,520,855	-										3,000,991
Vasconia	Colombia	997,455	950,832	999,803										2,948,090
Woodbourne	Barbados	-	59,388	-										59,388
<b>TOTAL</b>		<b>2,477,591</b>	<b>2,531,075</b>	<b>2,188,828</b>	-	-	-	-	-	-	-	-	-	<b>7,197,494</b>

**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										1,901,537
Calypso Crude	-	500,736	-										500,736
<b>TOTAL</b>	<b>760,640</b>	<b>881,119</b>	<b>760,514</b>	-	-	-	-	-	-	-	-	-	<b>2,402,273</b>

**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										138,668
Motor Gasoline	360,572	339,584	380,609										1,080,765
Naphtha	-	-	-										-
Aviation Gasoline	-	-	-										-
Kerosine/Jet	87,629	84,370	79,219										251,218
Gas Oils /Diesel	269,909	258,231	287,626										815,766
Fuel Oils	-	-	-										-
Bitumen	2,903	2,838	5,378										11,119
Sulphur	-	-	-										-
Other Refined/Unfinished Prod.	-	-	-										-
<b>TOTAL</b>	<b>771,580</b>	<b>726,397</b>	<b>799,559</b>	-	-	-	-	-	-	-	-	-	<b>2,297,536</b>
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										2,687,088
Naphtha	-	-	-										-
Aviation Gasoline	-	-	-										-
Kerosine/Jet	323,716	394,588	370,577										1,088,881
Gas Oils /Diesel	775,604	646,447	507,328										1,929,379
Fuel Oils	1,248,281	1,120,921	1,007,127										3,376,329
Bitumen	-	-	-										-
Sulphur	-	-	-										-
Other Refined/Unfinished Prod.	-	-	-										-
<b>TOTAL</b>	<b>3,353,174</b>	<b>2,917,600</b>	<b>2,810,903</b>	-	-	-	-	-	-	-	-	-	<b>9,081,677</b>

**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)										(116,123)
Motor Gasoline	1,343,388	1,332,786	1,004,494										3,680,668
Aviation Gasoline	10,231	(12,523)	11,502										9,210
Kerosine/Jet	462,519	399,438	351,652										1,213,609
Gas Oils / Diesel	859,103	1,055,116	661,271										2,575,490
Fuel Oils	1,231,887	1,149,702	1,299,730										3,681,319
Bitumen	315	7,058	1,470										8,843
Sulphur	-	-	-										-
Other Refined/Unfinished Prod.	(111,384)	(240,346)	321,311										(30,419)
Refinery Loss/(Gain)	80,201	(2,059)	112,695										190,837
Refinery Gas	69,519	63,918	60,286										193,723
<b>TOTAL</b>	<b>3,898,853</b>	<b>3,708,529</b>	<b>3,799,775</b>	-	-	-	-	-	-	-	-	-	<b>11,407,157</b>

**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										3,802,386
Throughput (BOPD)	125,769	132,447	122,573										126,930

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

<b>PRODUCTION (BBLs)</b>													
<b>PRODUCT</b>	<b>Jan-18</b>	<b>Feb-18</b>	<b>Mar-18</b>	<b>Apr-18</b>	<b>May-18</b>	<b>Jun-18</b>	<b>Jul-18</b>	<b>Aug-18</b>	<b>Sep-18</b>	<b>Oct-18</b>	<b>Nov-18</b>	<b>Dec-18</b>	<b>TOTAL</b>
<b>Propane</b>	305,708	239,449	266,237										<b>811,394</b>
<b>Butane</b>	255,385	200,401	204,668										<b>660,454</b>
<b>Natural Gasoline</b>	335,360	268,260	241,622										<b>845,242</b>
<b>TOTAL</b>	<b>896,453</b>	<b>708,110</b>	<b>712,527</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,317,090</b>
<b>EXPORT (BBLs)</b>													
<b>PRODUCT</b>	<b>Jan-18</b>	<b>Feb-18</b>	<b>Mar-18</b>	<b>Apr-18</b>	<b>May-18</b>	<b>Jun-18</b>	<b>Jul-18</b>	<b>Aug-18</b>	<b>Sep-18</b>	<b>Oct-18</b>	<b>Nov-18</b>	<b>Dec-18</b>	<b>TOTAL</b>
<b>Propane</b>	203,018	427,178	287,090										<b>917,286</b>
<b>Butane</b>	33,904	228,214	189,415										<b>451,533</b>
<b>Natural Gasoline</b>	324,929	315,061	315,128										<b>955,118</b>
<b>TOTAL</b>	<b>561,851</b>	<b>970,453</b>	<b>791,633</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,323,937</b>

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										72,993
TRINGEN I	37,320	26,376	36,081										99,777
TRINGEN II	47,096	43,125	43,800										134,021
PCS (01,02,03,04)	177,182	167,662	PENDING										344,844
PLNL	60,846	54,451	59,138										174,435
CNC	34,570	0	PENDING										34,570
N2000	55,370	49,987	PENDING										105,357
AUM-NH3	6,273	7,802	PENDING										14,075
<b>TOTAL</b>	<b>442,365</b>	<b>373,107</b>	<b>164,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>980,072</b>
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										65,352
TRINGEN I	25,385	44,690	31,951										102,026
TRINGEN II	39,143	31,755	63,709										134,607
PCS (01,02,03,04)	141,203	111,197	PENDING										252,400
PLNL	72,361	64,993	86,856										224,210
CNC	20,569	31,714	PENDING										52,283
N2000	33,436	34,971	PENDING										68,407
AUM-NH3	0	0	PENDING										0
<b>TOTAL</b>	<b>344,496</b>	<b>342,001</b>	<b>212,788</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>899,285</b>

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	PENDING	PENDING										<b>62,873</b>
UAN	103,468	100,188	31,079										<b>234,735</b>
Melamine	1,939	2,287	358										<b>4,584</b>
<b>TOTAL</b>	<b>168,280</b>	<b>102,475</b>	<b>31,437</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>302,192</b>
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	<b>44,087</b>	PENDING										<b>101,837</b>
UAN	77,145	76,146	69,983										<b>223,274</b>
Melamine	1,280	2,020	840										<b>4,140</b>
<b>TOTAL</b>	<b>136,175</b>	<b>122,253</b>	<b>70,823</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>329,251</b>

**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
CMC	3,949	0	0										3,949
TTMC II	44,589	41,352	50,872										136,813
MIV	43,500	44,381	50,368										138,249
TITAN	64,729	64,275	68,670										197,674
ATLAS	117,908	140,849	155,268										414,025
M5000	150,902	132,543	159,058										442,503
<b>TOTAL</b>	<b>425,577</b>	<b>423,400</b>	<b>484,236</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,333,213</b>
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										17,493
CMC	58,895	86,906	62,938										208,739
TTMC II	59,052	70,554	68,223										197,829
MIV	0	0	0										0
TITAN	84,052	61,598	79,271										224,921
ATLAS	132,074	142,959	138,999										414,032
M5000	120,273	46,163	146,899										313,335
<b>TOTAL</b>	<b>471,839</b>	<b>408,180</b>	<b>496,330</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,376,349</b>

**TABLE 5E (I) - PRODUCTION OF LNG FROM ALNG IN 2018 (M<sup>3</sup>)**

	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
<b>Train 1</b>	715,842	542,405	375,924										<b>1,634,171</b>
<b>Train 2</b>	577,267	504,805	561,478										<b>1,643,550</b>
<b>Train 3</b>	444,282	306,755	653,349										<b>1,404,386</b>
<b>Train 4</b>	955,259	822,856	970,743										<b>2,748,858</b>
<b>TOTAL</b>	<b>2,692,650</b>	<b>2,176,821</b>	<b>2,561,494</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,430,965</b>

**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
<b>Train 1</b>	16,141,736	12,201,726	8,485,808										<b>36,829,270</b>
<b>Train 2</b>	12,858,045	11,216,161	12,519,050										<b>36,593,257</b>
<b>Train 3</b>	9,962,491	6,949,995	14,607,316										<b>31,519,801</b>
<b>Train 4</b>	21,484,539	18,437,076	21,812,886										<b>61,734,502</b>
<b>TOTAL</b>	<b>60,446,811</b>	<b>48,804,958</b>	<b>57,425,060</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>166,676,829</b>

\*\* NOTE : M<sup>3</sup> 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										37,567,533
Train 2	12,368,319	8,092,248	14,760,521										35,221,088
Train 3	8,770,794	11,572,267	13,712,876										34,055,937
Train 4	25,771,026	18,670,700	16,261,533										60,703,259
<b>TOTAL</b>	<b>61,379,784</b>	<b>50,001,832</b>	<b>56,166,201</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>167,547,817</b>

**TABLE 5F(II) - LNG SALES & DELIVERIES FROM ALNG IN 2018 (M<sup>3</sup>)\*\*\***

	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										1,666,716
Train 2	555,281	364,207	662,008										1,581,496
Train 3	391,138	510,770	613,343										1,515,251
Train 4	1,145,847	833,283	723,690										2,702,820
<b>TOTAL</b>	<b>2,733,955</b>	<b>2,226,878</b>	<b>2,505,450</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,466,283</b>

\*\*\* NOTE : MMBTU converted to M<sup>3</sup> ; 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										332,743
Train 2	45,426	31,992	47,160										124,578
Train 3	89,299	56,094	135,061										280,454
Train 4	198,845	178,086	206,262										583,193
<b>TOTAL</b>	<b>491,555</b>	<b>377,635</b>	<b>451,778</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,320,968</b>

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.