IVL Year end installed Capacities based on announcements made

Qty in kt

Years	2014A	2015A	2016A	2017E	Yr '17 % of IVL	2018E	2019E	2020E
Consolidated in the Company								
Oxide & Glycols	550	550	550	550	5%	550	550	550
North America	*550*	*550*	*550*	*550*	*5%*	*550*	*550*	*550*
Mix Feed Cracker					0%	440	440	440
North America (Project Houston)					*0%*	*440*	*440*	*440*
PET	3,696	4,262	4,291	4,037	38%	4,094	4,194	4,219
China	*550*	*548*	*545*	*437*	*4%*	*458*	*458*	*459*
Europe	*927*	*930*	*1,119*	*1,121*	*11%*	*1,137*	*1,173*	*1,177*
Indonesia	*191*	*193*	*190*	*190*	*2%*	*190*	*190*	*190*
MENA	*214*	*464*	*460*	*329*	*3%*	*343*	*343*	*344*
North America	*1,527*	*1,518*	*1,566*	*1,550*	*15%*	*1,554*	*1,537*	*1,555*
India		*216*	-	-		-	-	-
Thailand	*287*	*393*	*411*	*411*	*4%*	*411*	*492*	*494*
Packaging	80	110	139	182	2%	202	207	218
Fibers (Polyester,PP, Nylon 66 etc)	1,414	1,492	1,566	1,568	15%	1,590	1,605	1,617
China	*13*	*54*	*68*	*67*	*1%*	*79*	*85*	*85*
Europe	*421*	*420*	*447*	*481*	*5%*	*482*	*487*	*489*
Indonesia	*425*	*429*	*436*	*436*	*4%*	*436*	*436*	*437*
North America	*203*	*237*	*259*	*272*	*3%*	*280*	*285*	*291.744*
Thailand	*352*	*352*	*356*	*312*	*3%*	*312*	*312*	*312.930*
PTA	1,764	2,357	3,698	4,018	38%	4,018	4,018	4,018
Europe	*391*	*380*	*705*	*1,025*	*10%*	*1,025*	*1,025*	*1,025*
North America		600	1,620	1,620	*18%*	1,620	*1,620*	*1,620*
Thailand	*1,373*	*1,377*	*1,373*	*1,373*	*13%*	*1,373*	*1,373*	*1,373*
Purified Isophtelic Acid (IPA)			220	220	2%	220	220	220
Europe			*220*	*220*	*2%*	*220*	*220*	*220*
Fibers (Wool)	6	6	6	6	0%	6	6	6
Thailand	*6*	*6*	*6*	*6*	*0%*	*6*	*6*	*6*
Indorama Holdings	6	6	6	6	0%	6	6	6
IVL	7,510	8,776	10,470	10,581	100%	11,119	11,241	11,287
ASIA	43%	41%	33%	32%		31%	31%	31%
EMEA	26%	25%	29%	31%		30%	30%	30%
North America	30%	33%	38%	38%		40%	40%	40%

Theoritical RM requirement

on 2017 capacity @ 90% utilization

Requirement: PTA	MEG	PX	IPA	Ethylene
				287
				287
2,997	1,249		71	
330	*138*		*8*	
847	*353*		*20*	
143	*60*		*3*	
193	*80*		*5*	
1,172	*488*		*28*	
-	-		-	
311	*130*		*7*	
831	338			
43	*17*			
95	*39*			
338	*137*			
113	*46*			
242	*98*			
		2,387		
		609		
		962		
		816		
3,828	1,587	2,387	71	287
1,407	580	816	19	-
1,136	472	609	25	-
1,285	534	962	28	287

Production: PTA	PX	Ethylene	IPA	MEG
				297
				297
		In 2018		
		In 2018		
3,616	648			
923				
1,458	648			
1,236				
			198	
			198	
3,616	648	In 2018	198	297
1,236	-	-	-	-
923	-		198	-
1,458	648	In 2018	-	297

PET Incl. Pckg	3,776	4,372	4,430	4,220	40%	4,295	4,401	4,436
ASIA	28%	32%	28%	27%		28%	29%	29%
EMEA	31%	33%	37%	36%		36%	36%	36%
North America	40%	35%	35%	37%		36%	35%	35%
Fibers & Yarns (Incl. Wool)	1,420	1,498	1,572	1,574	15%	1,596	1,611	1,622
ASIA	56%	56%	55%	52%		52%	52%	52%
EMEA	30%	28%	28%	31%		30%	30%	30%
North America	14%	16%	16%	17%		18%	18%	18%
PTA	1,764	2,357	3,698	4,018	38%	4,018	4,018	4,018
ASIA	78%	58%	37%	34%		34%	34%	34%
EMEA	22%	16%	19%	26%		26%	26%	26%
North America	0%	25%	44%	40%		40%	40%	40%
Purified Isophtelic Acid (IPA)			220	220	2%	220	220	220
Europe			100%	100%		100%	100%	100%
EOEG	550	550	550	550	5%	550	550	550
North America	100%	100%	100%	100%		100%	100%	100%
Mix Feed Cracker						440	440	440
North America (Project Houston)						100%	100%	100%

400kt of Ethylene & 40kt of Propelene

Raw Material (RM) Integration %		
	PTA Global Integration %	94%
	MEG Global Integration %	19%
	IPA Global Integration %	100%
	PX Global Integration %	27%
	Theoritical PTA net buying in KT	211
	Theoritical MEG net buying in KT	1,290
	Theoritical PX buying in KT	1,739
	Theoritical Ethylene buying in KT	287
	Theoritical IPA buying in KT	-
	Theoritical RM buying in KT	3,527
	Check	-

Joint Ventures-Equity Accounting

Joint Ventures	525	525	1,236	1,239	100%	1,239
PET	-	-	696	699	56%	699
India			696	699		699
Fibers & Yarns	25	25	40	40	3%	40
China	*25*	*25*	*25*	*25*	*2%*	*25*
Thailand			*15*	*15*	*1%*	*15*
PTA	500	500	500	500	40%	500
Indonesia	*500*	*500*	*500*	*500*	*40%*	*500*