

NEW PROJECTS AND PERMANENT PLANT SHUTDOWNS

16-22 MAY 2013

NEW PROJECTS								
Company	Location	Product	Capacity*	Process	Contractor	Cost	Start-up	Status
Arman Methanol	Assaluyeh, Iran	methanol	1.65m	-	-	-	2015	P
Braskem	Triunfo, Brazil	polyethylene (PE)	30,000	-	-	-	Jan 2014	U
C3 Petrochemicals	Texas, US	propylene	1m	-	Honeywell UOP	-	Q4 2015	S
China Coal Energy	Yulin, Shaanxi, China	methanol	-	-	-	-	-	S
Evonik Industries	Jilin, China	hydrogen peroxide	230,000	-	-	\$133m	End-2013	C
Ilam Petrochemical	Chovar, Ilam, Iran	high density polyethylene (HDPE)	300,000	Mitsui	-	-	Q2 2013	U
		ethylene	450,000	Stone & Webster	-	\$300,000	2015	U
Investor in Iran	Chabahar, Iran	ethylene, derivatives and fertilisers	1.2m ethylene	-	-	-	-	S
	Mahshahr, Iran	petrochemicals	-	-	-	\$1.86bn	-	S
JSR/Bangkok Synthetics	Map Ta Phut, Rayong, Thailand	styrene butadiene rubber (SBR)	100,000	-	-	-	Q3 2013	A
Kavian Petrochemical	Assaluyeh, Bushehr, Iran	ethylene	1m	Technip Benelux	Nargan/Technip	-	End-2013	E
Koch Nitrogen	Enid, Oklahoma, US	urea	900,000	Stamicarbon	Black & Veatch/KBR	\$1bn	2016	P
National Petrochemical Co (NPC)	Assaluyeh, Bushehr, Iran	polyethylene terephthalate (PET)	500,000	-	-	part of \$1bn	-	S
		terephthalic acid	500,000	-	-	-	-	S
		methanol	800,000	-	-	-	-	S
		polypropylene (PP)	500,000	-	-	-	-	S
		propylene	500,000	-	-	-	-	S
Nova Chemicals	Joffre, Alberta, Canada	linear low density polyethylene (LLDPE)	454,000	Nova Chemicals	Technip	-	Late 2015	E
ONGC Mangalore Petrochemicals (OMPL)	Mangalore, Karnataka, India	benzene	270,000	-	Larsen & Toubro	-	Aug 2013	D
		paraxylene (PX)	920,000	Honeywell	Larsen & Toubro	\$600m	Aug 2013	D
Oriental Energy	Ningbo, Zhejiang, China	PP	400,000	-	-	-	-	P
		propylene	600,000	-	-	-	-	S
Oxea	Bay City, Texas, US	butyl acetate (butac)	(x) 25%	-	-	-	H2 2014	P
		butanol	(x) 25%	-	-	-	H2 2014	P
Sasol North America	Lake Charles, Louisiana, US	HDPE	450,000	Univation Technologies	Toyo USA	-	-	P
		LLDPE	-	-	Toyo USA	-	-	P
Sepehr Energy	Iran	monoethylene glycol (MEG)	-	-	-	-	-	P
		methanol	4.95m	-	-	-	2016	P
		PE	-	-	-	-	-	P
Sinochem	Chongqing, China	sulphuric acid	400,000	-	-	-	Q4 2013	U
Sinopec Wuhan Petrochemical	Wuhan, Hubei, China	ethylene	800,000	-	-	-	Jun 2013	U
Xinjiang Tianye	Shihezi, Xinjiang, China	MEG	250,000	-	-	-	Aug 2014	U
Zhejiang Xingxing New Energy	Jiaxing, Zhejiang, China	MEG	200,000	-	-	-	End-2014/2015	S

PERMANENT PLANT SHUTDOWNS								
Company	Location	Product	Capacity	Process	Contractor	Cost	Shutdown	
LyondellBasell Industries	Wesseling, Germany	HDPE	300,000	-	-	-	Q3 2013	

Notes: *Capacity: figures given in tonnes/year; tonnes/day are converted by multiplying by 330. (x) = expansion; T = total capacity including expansion. Start-up: Dates given are for planned start-up. H1 = 1st half year; H2 = 2nd half year; Q1 = 1st quarter; Q2 = 2nd quarter; Q3 = 3rd quarter; Q4 = 4th quarter. Status: S = study; P = planned; A = approval; E = engineering; U = under construction; C = completed; D = delayed.