



INVESTMENT MANAGEMENT

FINAL DIVESTMENT AND DO-NOT-CONTRACT LIST—IRAN

Compiled as of August 30, 2020

Pursuant to N.C. Gen. Stat. § 147-86.58, the State Treasurer has determined that the following companies appear to be engaged in “investment activities in Iran,” as that term is defined in the amended North Carolina Iran Divestment Act of 2015 (the “Act”), based on other state lists of restricted companies, federal information, and other credible information. This updated List may be found at the State Treasurer’s website: <https://www.nctreasurer.com>.

The State Treasurer and North Carolina Retirement Systems may not invest funds, and must divest any existing investment, with the restricted companies listed below. N.C. Gen. Stat. § 147-86.58. In addition, the restricted companies listed below are generally ineligible to contract with the State of North Carolina or any political subdivision of the State if the contract is valued at more than \$1,000.00. N.C. Gen. Stat. §§ 147-86.60 and 147-86.61(a). Any existing contracts with companies listed below shall be allowed to expire in accordance with the terms of the contract. N.C. Gen. Stat. § 147-86.60(c).

“Company” is defined by the Act to include not only restricted companies listed as a result of their own apparent investment activities in Iran (see above) but also any “wholly owned subsidiaries, majority-owned subsidiaries, parent companies, or affiliates of those entities.” N.C. Gen. Stat. § 147-86.57(1).

The Department of State Treasurer is not responsible for compliance with the Act by other agencies or State political subdivisions. The Department’s responsibilities are solely focused on implementing N.C. Gen. Stat. §147-86.58, which relates to the Department’s investments, and implementing the Act as it relates to the identification of companies that appear to be engaged in investment activities in Iran (and their affiliates).

Restricted Company
Chennai Petroleum Corp. Ltd.
China Oilfield Services Ltd.
China Petroleum & Chemical Corp.
China Shipbuilding Industry Co., Ltd.
GAIL (India) Ltd.
Oil & Natural Gas Corp. Ltd.
PetroChina Co. Ltd.
SINOPEC Engineering (Group) Co., Ltd.

Affiliate Company Name	Relationship	Restricted Company
Addax Petroleum International Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Aershan Drinks (Beijing) Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Amerada Hess Indonesia Holdings Ltd.	Subsidiary	PetroChina Co., Ltd.
Baling Petrochemical Corp.	Subsidiary	China Petroleum & Chemical Corp.
Beijing Feitian Petrochemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Beijing Fortune Huiyuan Gas Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Beijing Great Wall Radio Factory	Subsidiary	China Shipbuilding Industry Co., Ltd.



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Affiliate Company Name	Relationship	Restricted Company
Bohai Shipbuilding Industry Co. Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
Bohai Shipping Heavy Industry Co., Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
BP-Petrochina Fuels JV	Subsidiary	PetroChina Co., Ltd.
Brion Duvernay Gas Partnership	Subsidiary	PetroChina Co., Ltd.
Carrizo Oil & Gas, Inc. /Eagle Ford Shale Assets/	Subsidiary	GAIL (India) Ltd.
Caspian Investments Resources Ltd.	Subsidiary	China Petroleum & Chemical Corp.
China International United Petroleum & Chemicals Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
China National Petro Corp. /Dayuan & Qingyang Refinery Ops/	Subsidiary	PetroChina Co., Ltd.
China National Petroleum Marketing Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
China Oilfield Services (BVI) Ltd.	Subsidiary	China Oilfield Services Ltd.
China Petrochemical Corp. Henan Petroleum Exploration Bureau	Subsidiary	China Petroleum & Chemical Corp.
China Petrochemical Refining Sales Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
China Petrochemical Technology Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Co. Ltd. /Lube Jingmen Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Co. Ltd. /Tahe Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Anhui Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Changling Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Hebei Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Henan Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Jiujiang Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Liaoning Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Maoming Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Shandong Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Wuhan Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Zhejiang Ningbo Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /Arg Petroleum Assets/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /East China Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /Guangdong Pete Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /Hubei Yichang Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /Jiangsu Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /Jiangsu Suzhou Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /Lubricant Tianjin Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /Shanghai & Hua Dong Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /Shanghai Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /Tianjin Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. Chuanyu Trading Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.



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Affiliate Company Name	Relationship	Restricted Company
China Petroleum & Chemical Corp. Ltd. Lubricant Co.	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Sales Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum Group Jiangnan Petroleum Management Bureau	Subsidiary	China Petroleum & Chemical Corp.
China Resources Petrochemicals Investments Ltd.	Subsidiary	China Petroleum & Chemical Corp.
China Shengli Oilfield Longxi Petroleum Eng Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
China Shipbuilding & Offshore International Co., Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
China Shipbuilding Industry Co. Ltd /Subsidiary 2/	Subsidiary	China Shipbuilding Industry Co., Ltd.
China Shipbuilding Industry Corp. /Machinery Bus (6)/	Subsidiary	China Shipbuilding Industry Co., Ltd.
China Shipbuilding Industry Corp. /Military Equipment Ops/	Subsidiary	China Shipbuilding Industry Co., Ltd.
China Shipping & Sinopec Suppliers Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
China State-Owned Assets Supervision & Admn Commission	Parent	China Petroleum & Chemical Corp.
China State-Owned Assets Supervision & Admn Commission	Parent	China Shipbuilding Industry Co., Ltd.
China State-Owned Assets Supervision & Admn Commission	Parent	PetroChina Co., Ltd.
Chongqing ChangZheng Heavy Industry Co. Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
Chongqing Hengshan Machinery Co. Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
Chuanyu Trading Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
CNOOC EnerTech Drilling & Production Co. /Seismic Data Bus/	Subsidiary	China Oilfield Services Ltd.
CNPC Kunlun Natural Gas Exploitation Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
COSL (Australia) Pty Ltd.	Subsidiary	China Oilfield Services Ltd.
COSL America, Inc.	Subsidiary	China Oilfield Services Ltd.
COSL Chemicals (Tianjin) Ltd.	Subsidiary	China Oilfield Services Ltd.
COSL Deepwater Technology Co., Ltd.	Subsidiary	China Oilfield Services Ltd.
COSL Drilling Pan-Pacific (Labuan) Ltd.	Subsidiary	China Oilfield Services Ltd.
COSL Drilling Pan-Pacific Ltd.	Subsidiary	China Oilfield Services Ltd.
COSL Drilling Saudi Ltd.	Subsidiary	China Oilfield Services Ltd.
COSL Drilling Singapore Pte Ltd.	Subsidiary	China Oilfield Services Ltd.
COSL Drilling Strike Pte Ltd.	Subsidiary	China Oilfield Services Ltd.
COSL Finance (BVI) Ltd.	Subsidiary	China Oilfield Services Ltd.
COSL Holding AS	Subsidiary	China Oilfield Services Ltd.
COSL Mexico SA de CV	Subsidiary	China Oilfield Services Ltd.
COSL Middle East FZE	Subsidiary	China Oilfield Services Ltd.
COSL Norwegian AS	Subsidiary	China Oilfield Services Ltd.
COSL Oil-Tech (Singapore) Ltd.	Subsidiary	China Oilfield Services Ltd.
COSL Pioneer Pte Ltd.	Subsidiary	China Oilfield Services Ltd.
Cosl Promoter Pte Ltd.	Subsidiary	China Oilfield Services Ltd.
COSL Prospector Pte Ltd.	Subsidiary	China Oilfield Services Ltd.
COSL Singapore Capital Ltd.	Subsidiary	China Oilfield Services Ltd.



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Affiliate Company Name	Relationship	Restricted Company
COSL Strike Pte Ltd.	Subsidiary	China Oilfield Services Ltd.
COSL-HongKong Ltd.	Subsidiary	China Oilfield Services Ltd.
CSIC Financial Co. Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
CSIC Technology Investment Development Co., Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
CSIC Yuanzhou (Beijing) Technology Co., Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
Dalian Marine Diesel Co., Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
Dalian Shipbuilding Industry Co., Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
Dalian Shipbuilding Industry Design & Research Ins Co. Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
Dalian Shipyard Group Co. Ltd. /Bus Ops/	Subsidiary	China Shipbuilding Industry Co., Ltd.
Daqing Oilfield Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Daqing Oilfield Construction Group Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Daqing Petrochemical Complex	Subsidiary	China Petroleum & Chemical Corp.
Daqing Refining & Chemicals Co.	Subsidiary	PetroChina Co., Ltd.
Dongguan China Resources Petroleum & Chemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Dps Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
First International Oil Corp.	Subsidiary	China Petroleum & Chemical Corp.
Forever Glowing International Pte Ltd.	Subsidiary	PetroChina Co., Ltd.
Fushun Petroleum & Chemical Research Institute	Subsidiary	China Petroleum & Chemical Corp.
Gail Gas Ltd.	Subsidiary	GAIL (India) Ltd.
Gail Global (USA) LNG LLC	Subsidiary	GAIL (India) Ltd.
Gail Global (USA), Inc.	Subsidiary	GAIL (India) Ltd.
Gail Global Singapore Pte Ltd.	Subsidiary	GAIL (India) Ltd.
Gaoqiao Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Government of India	Parent	GAIL (India) Ltd.
Government of India	Parent	Oil & Natural Gas Corp. Ltd.
Great Wall Gas	Subsidiary	China Petroleum & Chemical Corp.
Guangxi Guijiang Shipyard	Subsidiary	China Shipbuilding Industry Co., Ltd.
Guangxi Wuzhou Shipyard	Subsidiary	China Shipbuilding Industry Co., Ltd.
Guangxi Zhongnan Huaxing Machinical Equipment Co. Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
Guangzhou Petrochemical Co.	Subsidiary	China Petroleum & Chemical Corp.
Gujarat State Petroleum Corp. Ltd. /KG Basin Block/	Subsidiary	Oil & Natural Gas Corp. Ltd.
Hebei Natural Gas Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Hindustan Petroleum Corp. Ltd.	Subsidiary	Oil & Natural Gas Corp. Ltd.
Hubei Jiangzuan Tianxiang Chemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Imperial Energy Corp. Plc	Subsidiary	Oil & Natural Gas Corp. Ltd.
Indian Oil Corp. Ltd.	Parent	Chennai Petroleum Corp. Ltd.
Indonesian Oil & Gas Operations	Subsidiary	PetroChina Co., Ltd.
INEOS Group Holdings Plc /European Oil Refining Ops/	Subsidiary	PetroChina Co., Ltd.



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Affiliate Company Name	Relationship	Restricted Company
Jiangnan Petroleum Administration Bureau	Subsidiary	China Petroleum & Chemical Corp.
Jiangsu Petroleum Exploration Bureau	Subsidiary	China Petroleum & Chemical Corp.
Jilin Chemical Industrial Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Jilin Petrochemical Co.	Subsidiary	PetroChina Co., Ltd.
Jinling Petrochemical Ltd. Corp. Sinopec Corp.	Subsidiary	China Petroleum & Chemical Corp.
Kantons Gas Station Investment & Management Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Kantons International Investment Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Kunlun Energy Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
Lanzhou Sida Special Petrochemical Products Co Ltd	Subsidiary	PetroChina Co., Ltd.
Liaohe Jinma Oilfield Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
Luoyang Sunrui Rubber Technology Co., Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
Mangalore Refinery & Petrochemicals Ltd.	Subsidiary	Oil & Natural Gas Corp. Ltd.
Ningbo Sinopec Changjiang Fuel Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Oil & Natural Gas Corp. Ltd. (Venture Capital)	Subsidiary	Oil & Natural Gas Corp. Ltd.
ONGC Nile Ganga (Cyprus) Ltd.	Subsidiary	Oil & Natural Gas Corp. Ltd.
ONGC (BTC) Ltd.	Subsidiary	Oil & Natural Gas Corp. Ltd.
ONGC Amazon Alaknanda Ltd.	Subsidiary	Oil & Natural Gas Corp. Ltd.
ONGC Energy Centre	Subsidiary	Oil & Natural Gas Corp. Ltd.
ONGC Mangalore Petrochemicals Ltd.	Subsidiary	Oil & Natural Gas Corp. Ltd.
ONGC Nile Ganga BV	Subsidiary	Oil & Natural Gas Corp. Ltd.
ONGC Self Contributory Post Retirement & Death In Service Sup	Subsidiary	Oil & Natural Gas Corp. Ltd.
ONGC Videsh Ltd.	Subsidiary	Oil & Natural Gas Corp. Ltd.
Petro China Co., Ltd. Jilin Petrochemical Branch	Subsidiary	PetroChina Co., Ltd.
PetroChina & CRMSC Oil Marketing Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina Changqing Oilfield Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Chongqing Fuling Sales Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. (Jinzhou Petrochemical Unit)	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Dagang Oil Field Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Dagang Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Dalian Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Daqing Lubricating Oil No1 Factory/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Daqing Lubricating Oil No2 Factory/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Dushanzi Lubricating Oil Factory/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Fushun Lubricating Oil Factory/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Guangxi Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Harbin Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Hohhot Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Huadong Lubricating Oil Factory/	Subsidiary	PetroChina Co., Ltd.



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Affiliate Company Name	Relationship	Restricted Company
Petrochina Co. Ltd. /Hubei Yichang Sales Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Lanzhou Lubricating Oil Factory/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Lanzhou Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Liaohe Lubricating Oil Factory/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Liaohe Oil Field Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Liaohe Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Liaoyang Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Ningxia Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Ningxia Refining Chemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /North China Oil Field Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Tarim Oil Field Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Urumqi Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Xinjiang Oil Field Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Yumen Lubricating Oil Factory/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Yumen Oil Field Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Yunnan Refinery/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Zhejiang Sales Branch/	Subsidiary	PetroChina Co., Ltd.
PetroChina Co., Ltd. (Lubricating Oil Branch)	Subsidiary	PetroChina Co., Ltd.
PetroChina Co., Ltd. /Changqing Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co., Ltd. /Fushun Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
PetroChina Co., Ltd. /Huabei Petrochemical Branch Co./	Subsidiary	PetroChina Co., Ltd.
Petrochina Co., Ltd. /Jinxi Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
PetroChina Co., Ltd. /Shandong Sales Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co., Ltd. /Shangluo Luonan Sales Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co., Ltd. /Southwest Oil & Gas Field Branch/	Subsidiary	PetroChina Co., Ltd.
PetroChina Coalbed Methane Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina Dagang Oilfield Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Daqing Petrochemical Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Daqing Tamsag LLC	Subsidiary	PetroChina Co., Ltd.
PetroChina Exploration & Production Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Fuel Oil Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Petrochina Hong Kong Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina Hong Kong Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina Huabei Oilfield Co.	Subsidiary	PetroChina Co., Ltd.
PetroChina International (Canada) Trading Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina International Investment (Australia) Pty Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina International Investment Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina International Iraq FZE Iraq Branch	Subsidiary	PetroChina Co., Ltd.



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Affiliate Company Name	Relationship	Restricted Company
PetroChina International Jabung Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina International Middle East Co.	Subsidiary	PetroChina Co., Ltd.
PetroChina Jidong Oilfield Co.	Subsidiary	PetroChina Co., Ltd.
PetroChina Jilin Oilfield Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Jinzhou Petrochemical Co.	Subsidiary	PetroChina Co., Ltd.
PetroChina Kelamayi Petrochemical Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Lanzhou Petrochemical Co.	Subsidiary	PetroChina Co., Ltd.
PetroChina Liaohe Oilfield Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Marketing Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina Natural Gas & Pipeline Co.	Subsidiary	PetroChina Co., Ltd.
PetroChina North China Marketing Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Northeast Marketing Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Pipeline Bureau Steel Tube Factory	Subsidiary	PetroChina Co., Ltd.
PetroChina Pipelines Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina Qinghai Oilfield Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina Refining & Marketing Co.	Subsidiary	PetroChina Co., Ltd.
PetroChina Sichuan Petrochemical Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina Talimu Oilfield Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina Tuha Oilfield Co.	Subsidiary	PetroChina Co., Ltd.
PetroChina West-East Natural Gas Transmission Pipelines Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Xinjiang Oilfield Co.	Subsidiary	PetroChina Co., Ltd.
Petro-Cyberworks Information Technology Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Petroineos Trading Ltd.	Subsidiary	PetroChina Co., Ltd.
Petroleum Long Champ Co Ltd	Subsidiary	PetroChina Co., Ltd.
Phoenix Energy Holdings Ltd. (Canada)	Subsidiary	PetroChina Co., Ltd.
PT COSL INDO	Subsidiary	China Oilfield Services Ltd.
PT Samudra Timur Santosa	Subsidiary	China Oilfield Services Ltd.
Qingdao Beihai Shipbuilding Heavy Industry Co. Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
Qingdao Haixi Heavy-Duty Machinery Co. Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
Qingdao Petroleum Co.	Subsidiary	China Petroleum & Chemical Corp.
Research Institute of Petroleum Exploration & Development	Subsidiary	PetroChina Co., Ltd.
Rus Imperial Group OOO	Subsidiary	Oil & Natural Gas Corp. Ltd.
Science & Technology Development Co. Ltd. /Catalysts Business/	Subsidiary	China Petroleum & Chemical Corp.
Shandong Lurun Hongtai Petrochemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Shandong Lurun Jingjiu Petrochemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Shandong Shengyue Petrochemical Engineering Construction Co	Subsidiary	China Petroleum & Chemical Corp.
Shanghai Jin Hua Industrial Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.



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Affiliate Company Name	Relationship	Restricted Company
Shanghai Longwan Industrial Co. Ltd. /Four Oil Stations/	Subsidiary	PetroChina Co., Ltd.
Shanhaiguan Shipbuilding Industry Co. Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
Shanxi Pingyang Industry Machinery Co. Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
Shanxi State-Owned Diesel Plants	Subsidiary	China Shipbuilding Industry Co., Ltd.
Shengli Oil Field Dongsheng Precision Petroleum Dev Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Shengli Oilfield Co.	Subsidiary	China Petroleum & Chemical Corp.
Shengli Petroleum Management Bureau Eng Cnstr No. 1 Co.	Subsidiary	China Petroleum & Chemical Corp.
Shenzhen Shenchang Industry Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Shijiazhuang Chemical Fiber Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sichuan Shengda Chemical New Material Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Singapore Petroleum Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
SinoCanada Petroleum Corp.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Xi'an Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec & Shell (Jiangsu) Petroleum Marketing Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Activator Qilu Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Anqing Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Anqing Refinery Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Argentina SA	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Asphalt Sales Branch Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Baling Yingshan Petrochemical Plant	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Beihai Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Beihai Refining & Chemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Beijing Jingtian Engineering & Construction Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Beijing Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Beijing Research Institute of Chemical Industry	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Beijing Yanhua Petrochemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Beijing Yanshan Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Cangzhou Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Capital (2013) Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Capital Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Capital Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Catalyst Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Changling Petrochemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Chemical Commercial Holding (Hong Kong) Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Chemical Commercial Holding (Singapore) Pte Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Chemical Commercial Holding Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Chemical Commercial Holding North America, Inc.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Chemical Industry Co., Ltd. Hubei Fertilizer Filiale	Subsidiary	China Petroleum & Chemical Corp.



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Affiliate Company Name	Relationship	Restricted Company
Sinopec Chemical Products Sales Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Chemical Sales Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Chongqing Petroleum Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Corp Hongkong International Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec East China Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Energy-Saving Technology Service Co., Ltd.	Subsidiary	SINOPEC Engineering (Group) Co., Ltd.
SINOPEC Engineering Group America LLC	Subsidiary	SINOPEC Engineering (Group) Co., Ltd.
Sinopec Engineering Group Malaysia Sdn. Bhd.	Subsidiary	SINOPEC Engineering (Group) Co., Ltd.
Sinopec Engineering, Inc.	Subsidiary	SINOPEC Engineering (Group) Co., Ltd.
Sinopec Exploration & Production Research Institute	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Exploration Southern Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Fuel Oil (Singapore) Pte Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Fuel Oil Sales Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Fujian Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Fujian Refining & Chemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Fushun Research Institute of Petroleum & Petrochemic	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Gansu Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Gas Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Geophysical Research Institute	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Great Wall Energy & Chemical (Ningxia) Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Great Wall Energy & Chemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Great Wall Gas Investment Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Group Anhui Petroleum General Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Group Nanjing Chemical Industries Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Guangdong Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Guangxi Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Guangzhou Engineering Co. Ltd.	Subsidiary	SINOPEC Engineering (Group) Co., Ltd.
SINOPEC Guizhou Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Hainan Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Hainan Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Hebei Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Heilongjiang Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Henan Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Henan Oilfield Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Hubei Chemical Fertilizer Co.	Subsidiary	China Petroleum & Chemical Corp.



INVESTMENT MANAGEMENT

Affiliate Company Name	Relationship	Restricted Company
SINOPEC Hubei Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Hubei Petrochemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Hunan Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Inner Mongolian Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec International Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec International Petroleum Exploration & Production Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec International Petroleum Services Kenya Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Jiangnan Petroleum Instrumentation Plant	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Jiangsu Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Jiangsu Oilfield Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Jiangxi Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Jilin Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Jinan Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Jingmen Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Jinling Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Jiujiang Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Jiujiang Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Kantons Holdings Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec KTS Development Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Lanzhou Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Liaoning Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Luoyang Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Luoyang Engineering Co. Ltd.	Subsidiary	SINOPEC Engineering (Group) Co., Ltd.
Sinopec Luoyang Petrochemical Engineering Corp.	Subsidiary	SINOPEC Engineering (Group) Co., Ltd.
SINOPEC Luoyang Petrochemical General Factory	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Maoming Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Maoming Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Marketing Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Nanjing Engineering & Construction, Inc.	Subsidiary	SINOPEC Engineering (Group) Co., Ltd.
Sinopec Nanjing Engineering Co. Ltd.	Subsidiary	SINOPEC Engineering (Group) Co., Ltd.
Sinopec Ningbo Engineering Co. Ltd.	Subsidiary	SINOPEC Engineering (Group) Co., Ltd.
SINOPEC Ningxia Oil Products Co.,	Subsidiary	China Petroleum & Chemical Corp.
Sinopec North China E&P Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Northeast Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Northeast Oil & Gas Co.	Subsidiary	China Petroleum & Chemical Corp.



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Affiliate Company Name	Relationship	Restricted Company
Sinopec Northwest Oil Field Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Oil & Gas Australia (Puffin) Pty Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Overseas Investment Holding Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Petrochemical Co. Ltd Qilu Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Petroleum Engineering & Construction Corp.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Petroleum Engineering Technology Service Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Pipeline Storage & Transportation Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Qilu Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Qingdao Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Qingdao Refining & Chemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Qingdao Refining Corp. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Qingdao Safety Engineering Institute	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Qinghai Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Refinery Sales (Fujian) Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Research Institute of Petroleum Engineering	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Research Institute of Petroleum Processing	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Sales Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Senmei (Fujian) Petroleum Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shaanxi oil products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Shandong Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shanghai Asphalt Sales Branch Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shanghai Engineering Co. Ltd.	Subsidiary	SINOPEC Engineering (Group) Co., Ltd.
Sinopec Shanghai Gaoqiao Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shanghai Gaoqiao Petroleum & Chemical Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Shanghai Offshore Petroleum Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Shanghai Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shanghai Petrochemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Shanghai Research Institute of Petrochemical Technology	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shanghai SECCO Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shanxi Datong Petrol	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shanxi Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shashi Steel Pipe Factory	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Shengli Oilfield Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shengli Oilfield Construction Engineering Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Shijiazhuang Refining & Chemical Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Sichuan Petroleum Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Sichuan Vinylon Works	Subsidiary	China Petroleum & Chemical Corp.



INVESTMENT MANAGEMENT

Affiliate Company Name	Relationship	Restricted Company
Sinopec Tahe Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Tech Houston LLC	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Tenth Construction Co.	Subsidiary	SINOPEC Engineering (Group) Co., Ltd.
Sinopec The Fourth Construction Co. Ltd.	Subsidiary	SINOPEC Engineering (Group) Co., Ltd.
SINOPEC Tianjin Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Tianjin Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Tianjin Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Wuhan Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Wuhan Phoenix Co. Ltd. /Petrochemicals Ops/	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Xinjiang Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Yangzi Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Zhanjiang Dongxing Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Zhejiang Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Zhenhai Refining & Chemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Zhongyuan Oilfield Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Zhongyuan Petroleum Exploration Bureau	Subsidiary	China Petroleum & Chemical Corp.
Sinopec-SK(Wuhan) Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SJ Petroleum Machinery Co.	Subsidiary	China Petroleum & Chemical Corp.
South Oil Exploration & Development Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
South West Oil & Gas Co.	Subsidiary	China Petroleum & Chemical Corp.
Sunrui Marine Environment Engineering Co., Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
Taian Lurun Cement Production Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Taixing Longsheng Fine Chemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
The Fifth Construction Company of Sinopec	Subsidiary	SINOPEC Engineering (Group) Co., Ltd.
The PetroChina International Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Trans-Asia Gas Pipeline Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
United Petrochemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Weihai Weiyang Petroleum Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
West Pacific Petrochemical Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Wuchang Shipbuilding Industry Co. Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
Wuchang Shipbuilding Industry Group Co. Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
Wuchang Shipyard	Subsidiary	China Shipbuilding Industry Co., Ltd.
Xiamen Sunrui Marine Coatings Co., Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
Xinjiang Dushanzi Petrochemical Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
Yichang Jiangxia Ship Machinery Co. Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.
Yihua Group Co.	Subsidiary	China Petroleum & Chemical Corp.
Zhongnan Equipment Co. Ltd.	Subsidiary	China Shipbuilding Industry Co., Ltd.



INVESTMENT MANAGEMENT

Affiliate Company Name	Relationship	Restricted Company
Zhongyuan Oilfield Puguang Co.	Subsidiary	China Petroleum & Chemical Corp.
Zhongyuan Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Zhongyuan Petroleum Exploration Bureau	Subsidiary	China Petroleum & Chemical Corp.