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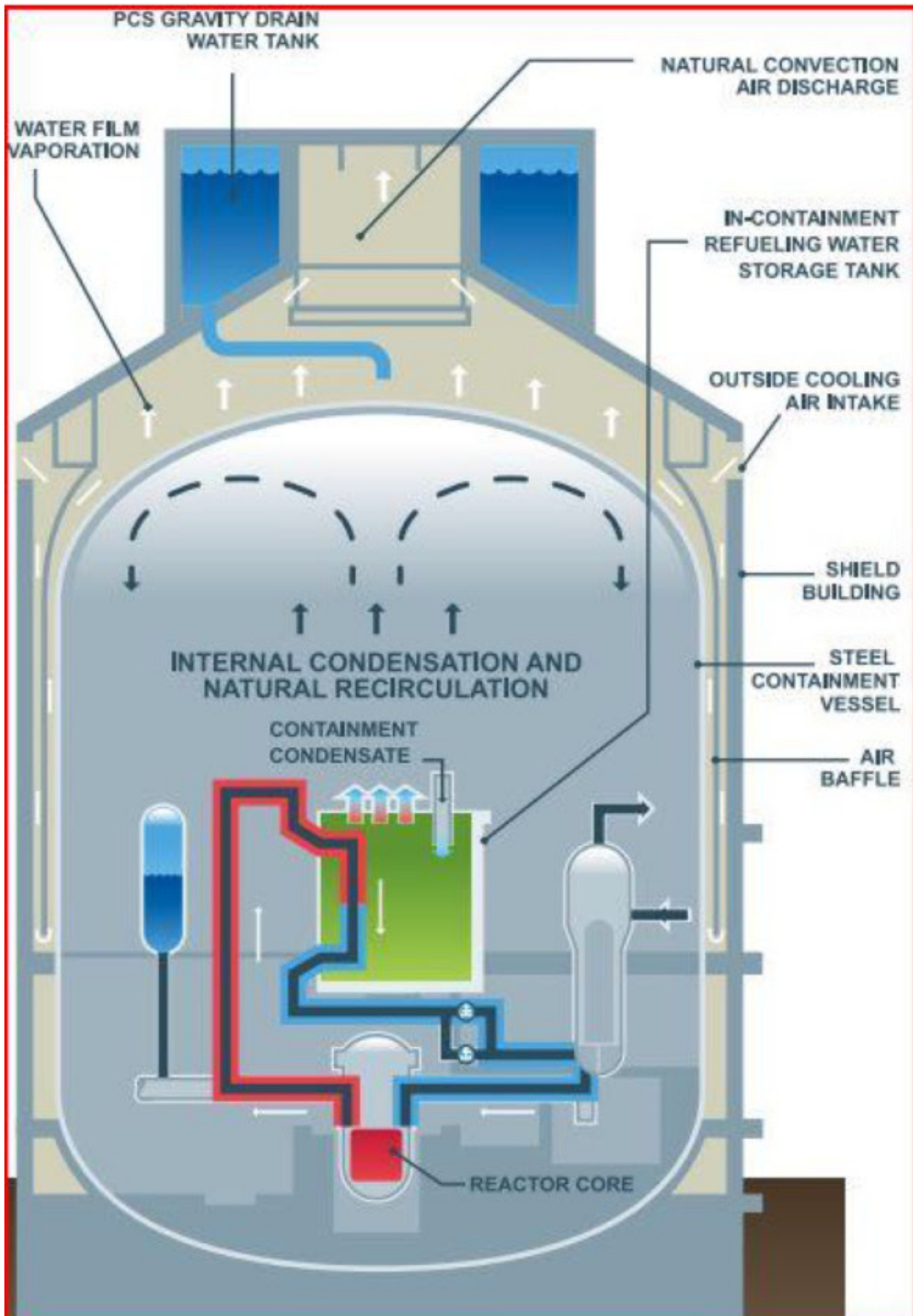
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Author : ?? ????????????

Date : February 24, 2020



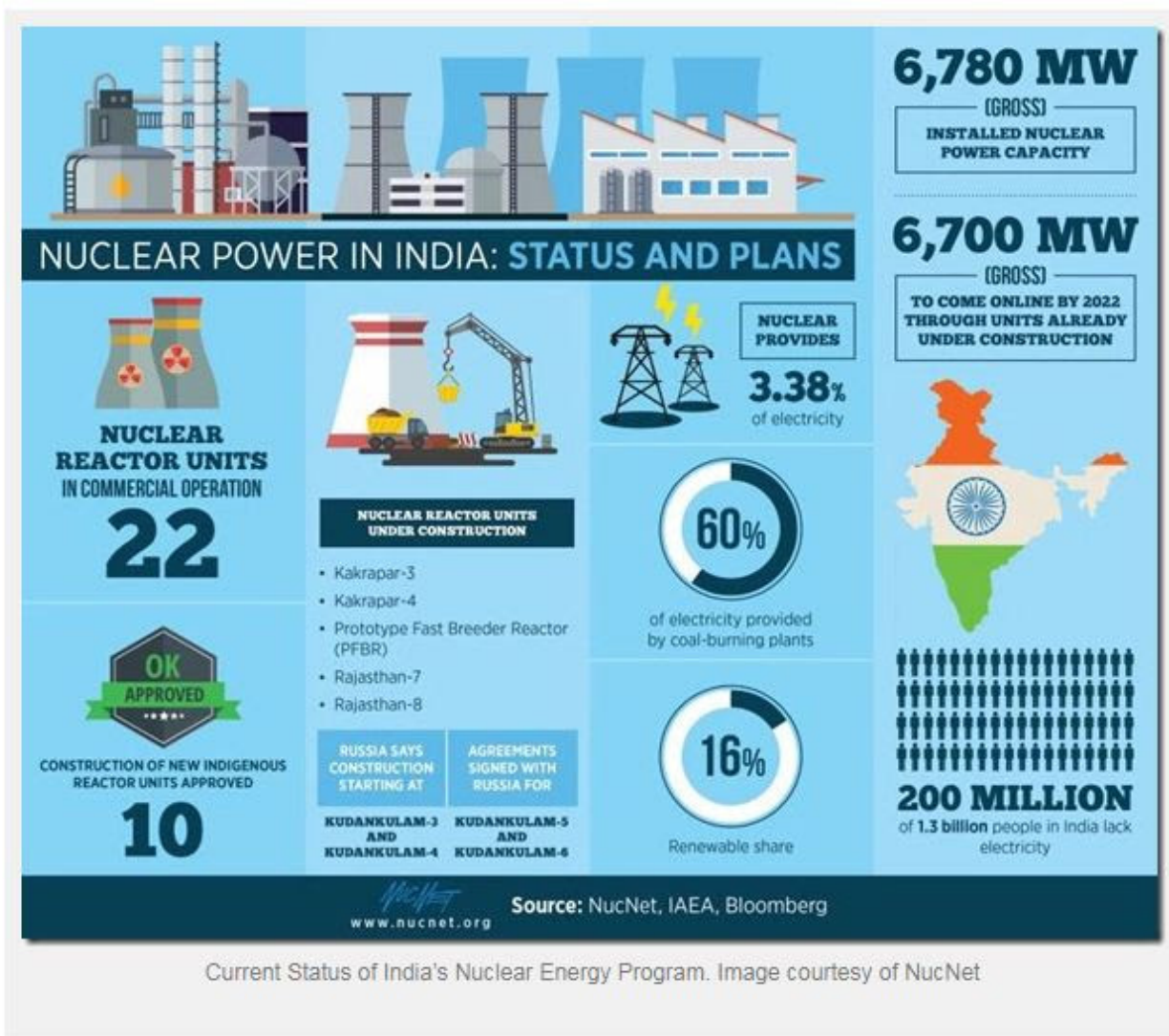
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Current Status of India's Nuclear Energy Program. Image courtesy of NucNet

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Fukushima No. 1 Cleanup Continues of Radioactive Water [2018]

Hundreds of tanks can be seen holding filtered coolant water from the damaged Fukushima No. 1 nuclear power plant. Seven years after the meltdown crisis started, Tokyo Electric Power Company Holdings Inc. is struggling with an ever-increasing volume of radioactive water at the site. | KYODO

Seven years after the crisis started, Tepco still needs to keep pouring water over the melted nuclear fuel. That water eventually mixes with tons of groundwater that continues to seep into the damaged reactor buildings.

To contain the ever-increasing volume of polluted water, 850 tanks have been built in the southwest part of the facility. They contain 1 million of the 1.1 million-ton total capacity, including 850,000 tons of so-called tritiated water.

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1. <http://afterfukushima.com/tableofcontents>
2. <http://afterfukushima.com/book-excerpt>
3. <https://youtu.be/YBNFvZ6Vr2U>
4. <https://youtu.be/HtwNyUZJgw8>
5. <https://youtu.be/UFoVUNApOg8>
6. <http://www.cornell.edu/video/five-years-after-fukushima-lessons-learned-nuclear-accidents>
7. https://youtu.be/_dVCIUc25o
8. <https://youtu.be/kBmc8SQMBj8>
9. <https://www.statista.com/topics/1087/nuclear-power/>
10. <https://www.statista.com/statistics/238610/projected-world-electricity-generation-by-energy-source/>
11. <https://youtu.be/ZjRXDp1ubps>
12. https://www.thinkingpower.ca/PDFs/NuclearPower/NP_3_2_Crawford.pdf



Seven Years on, Radioactive Water at Fukushima Reactor Still Flowing into the Ocean [Fukushima Reactors in February 2018]

More than seven years after the March 2011 Fukushima nuclear crisis, radioactive water is continuing to flow into the Pacific Ocean from the crippled No. 1 plant at a rate of around 2 billion becquerels a day, a study has found.

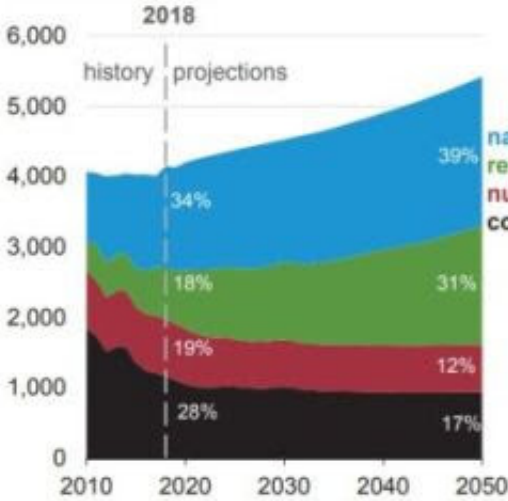
The amount of leaking cesium 137 has decreased from some 30 billion becquerels in 2013, Michio Aoyama, a professor at the Institute of Environmental Radioactivity at Fukushima University, said in his study, which was presented Wednesday at an academic conference in Osaka.

The radioactive water is generated in a process to cool melted nuclear fuel at three damaged reactors at the complex. The reactors experienced core meltdowns after the March 2011 earthquake and tsunami.

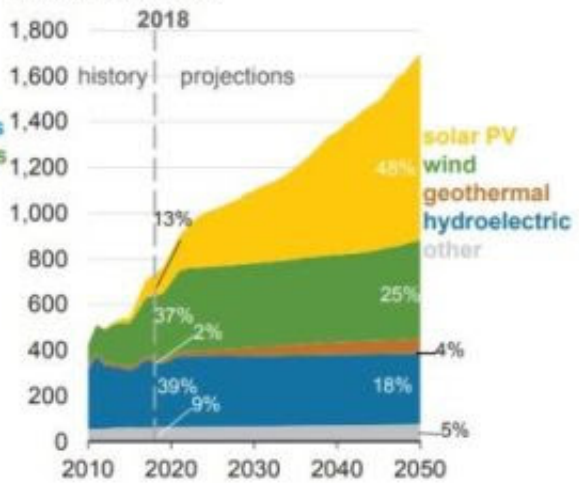
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(MWe) ?????????? ?????????? ?????????? ?????????????????? ?????????? ?????????????????? ?????????????????.**

Electricity generation from natural gas and renewables increases, and the shares of nuclear and coal generation decrease—

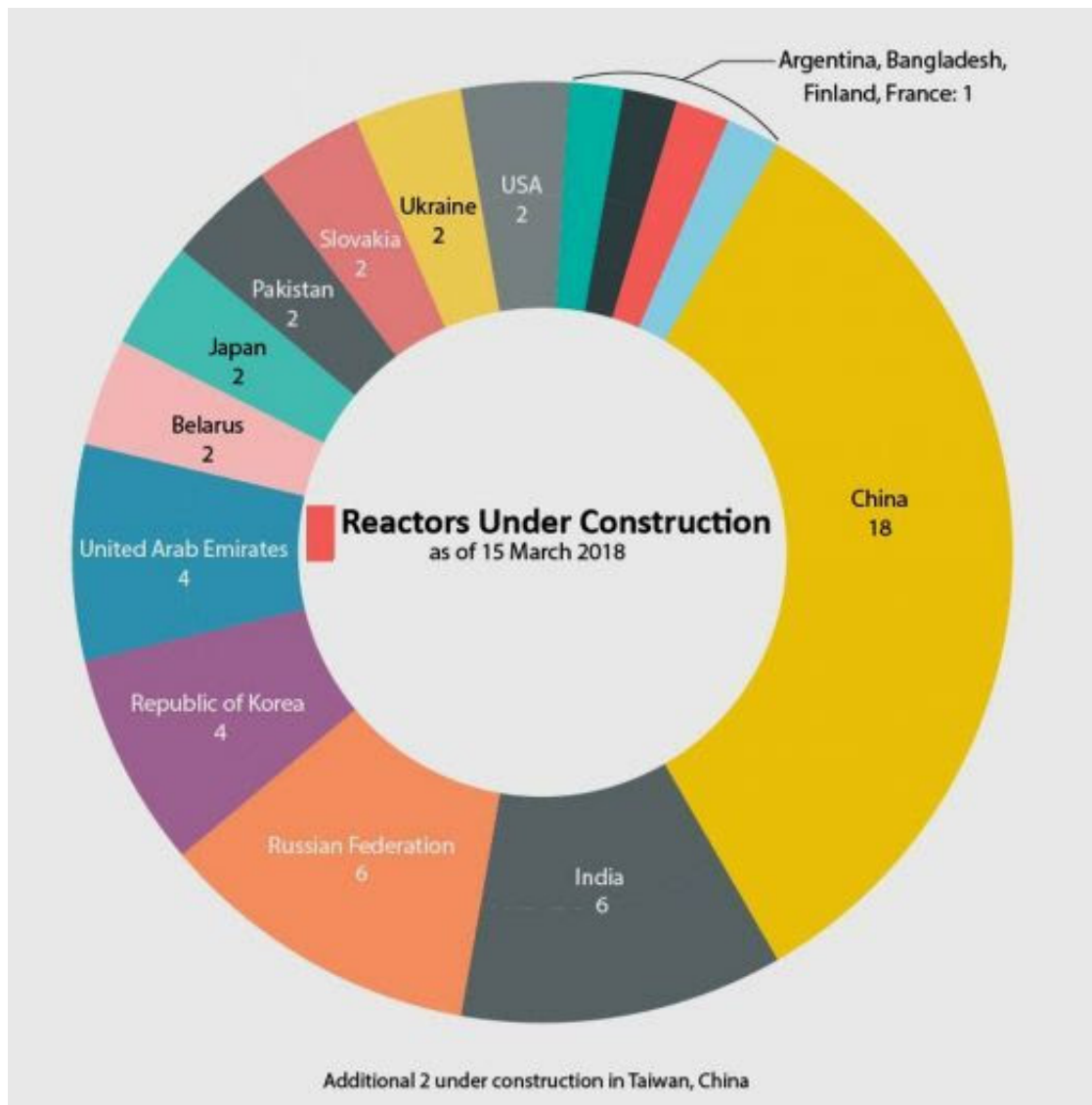
Electricity generation from selected fuels (Reference case)
billion kilowatthours



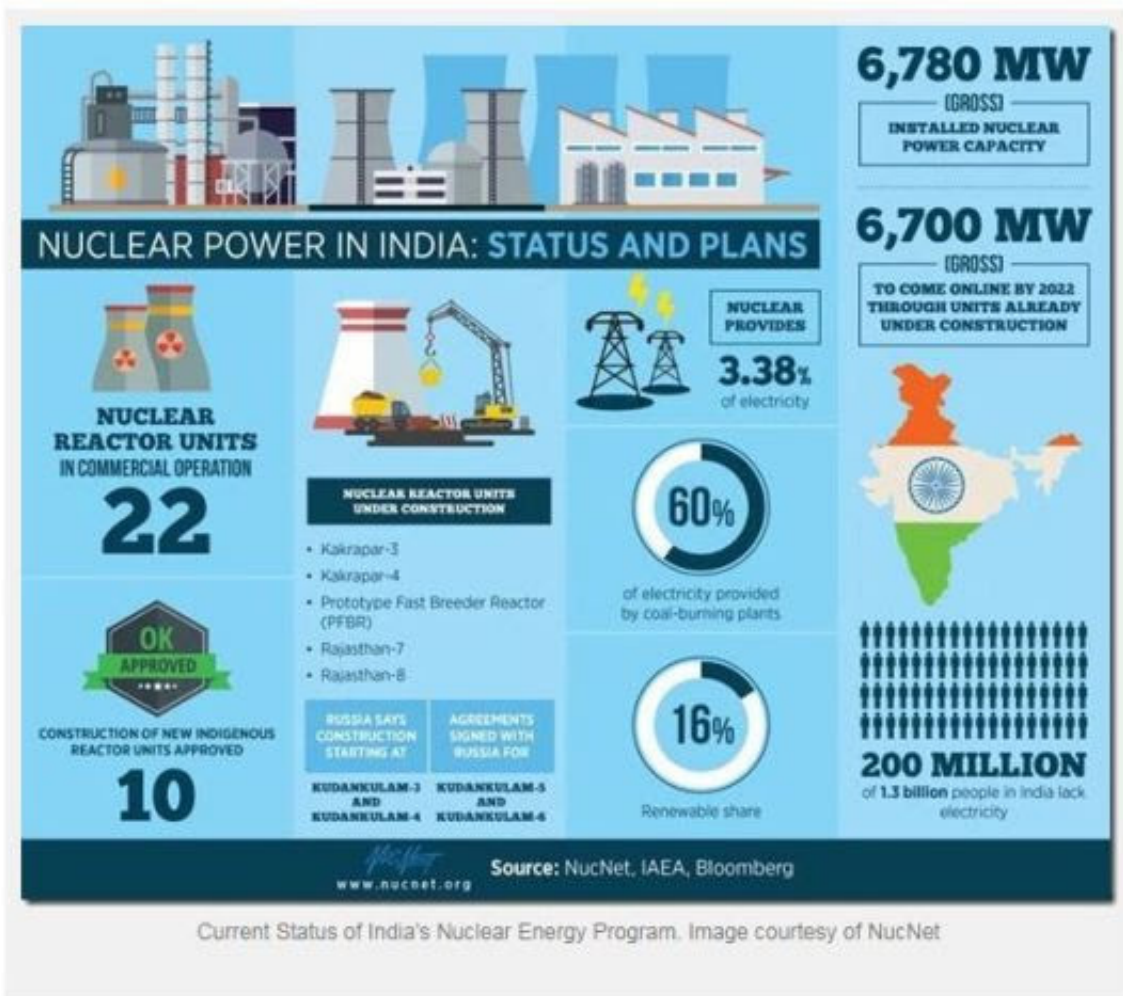
Renewable electricity generation, including end-use (Reference case)
billion kilowatthours



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Current Status of India's Nuclear Energy Program. Image courtesy of NucNet

As of November 28, 2016 in 31 countries 450 nuclear power plant units with an installed electric net capacity of about 392 GW are in operation and 60 plants with an installed capacity of 60 GW are in 16 countries under construction.

Country	IN OPERATION	UNDER CONSTRUCTION

	Number	Electr. net output MW	Number	Electr. net output MW
Argentina				
	3	1.632	1	25
Armenia				
	1	375	–	–
Belarus	–	–		
			2	2.218
Belgium				
	7	5.913	–	–
Brazil				
	2	1.884	1	1.245
Bulgaria				
	2	1.926	–	–
Canada				
	19	13.524	–	–
China				
	36	31.402	20	20.500
Czech Republic				
	6	3.930	–	–
Finland				
	4	2.752	1	1.600
France				
	58	63.130	1	1.630
Germany				
	8	10.799	–	–
Hungary				
	4	1.889	–	–
India				
	22	6.225	5	2.990
Iran				
	1	915	–	–
Japan				
	43	40.290	2	2.650
Korea, Republic				

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Mexico	25	23.133	3	4.020
	2	1.440		