



## Blast furnace equipment 2001 - 2010 гг.

Наименование Заказчика	Перечень оборудования	Реализация с 2001 по 2010 год									
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Russia, "Novolipetsk Iron & Steel Corp" JSC	hot blast valves, dia. 1100		4		4	3					
	hot blast valve disk, dia. 1100		2	4	3	4	6				
	hot blast valve bodies, dia. 1100		2	2	1	2	4				
	hot blast valve, dia. 1300		2								
	hot blast valve disk, dia. 1300			3							
	hot blast valve bodies, dia. 1300			2							
	gas throttle valve, dia. 1100					2					
	electric drive set		4			2					

Russia, "Nizhniy Tagil Iron & Steel Works" JSC	hot blast valves, dia. 1100				6	7	6	4	4		
	hot blast valves, dia. 1300			4		3	1		4	1	5
	atmospheric valves, dia. 250 with electrical drive			9							
	atmospheric valves, dia. 250 with loads						1				
	chimney valves, dia. 1300			6		6					
	shut-off valves, dia. 3000			1							
	gas throttle valves, dia. 1300			11			1				
	electric drive set			30	14	10	2				1
	flange set, dia. 1990				28	28					
	flange set, dia. 2090					2					
	flange set, dia. 2335			8		6	2				
	goggle valves, dia. 1300			5		3					
	rope pulley, D2000				4						
	plug valves, dia. 275			2							
	flange									2	10
racks sets 1100										1	

Russia, "Zapadno-Sibirsky Metallurgical Enterprise" JSC	hot blast valves, dia. 1100	5	5								
	hot blast valves, dia. 1300		1	3	3	2					
	atmospheric valves, dia. 250 with electrical drive					4					
	bypass valves, dia. 500					3	1				
	gas throttle valves, dia. 1100				9						
	gas throttle valves, dia. 1300					9					
	electric drive set		1	3	3	19					
	flange set, dia. 1740	5									
	flange set, dia. 2335		2	6	6	4					
	rope pulley D2500	4	1						4		

Russia, "Novokuznetsk Iron & Steel Works" JSC	hot blast valves, dia. 1100								1		
	shut-off valves, dia. 1100	14		2	5	14					
	equalizing valves, dia. 300		2	4	3	7					
	equalizing valves, dia. 450				1	3					
	gas throttle valves, dia. 1100					1					
	racks sets								1		
	electric drive set	6		1	3	9			1		
	flange set, dia. 1740	6		2	5	14			2		
	goggle valves, dia. 400					14					
	plug valves, dia. 275					1					

Russia, "Magnitogorsk Iron & Steel Works" JSC	hot blast valves, dia. 1100		6	6	7	20	14	7		1	1
	cold blast valves, dia. 1200						2				
	bypass valves, dia. 500						4				
	chimney valves, dia. 1100						4				
	chimney valves, dia. 1300						4				
	gate-type cut-off dust valves, dia. 350					1	3			1	
	shut-off valves, dia. 2750							1			
	cut-off valves, dia. 2750						1				
	gas throttle valves, dia. 1100						10				
	racks sets					1					
	electric drive set					2	30				
	flange set, dia. 2090						4				4

	rope pulley D2000							6		8	2	
	plug valves, dia. 275			2	1			8				

Russia, "Severstal" JSC	hot blast valves, dia. 1100		6	5							4	10
	cold blast valves, dia. 1200		1									
	air-outlet valves, dia. 1400 "Snort"			1								
	atmospheric valves, dia. 250 with loads			1								
	atmospheric valves, dia. 800			2			4					
	bypass valves, dia. 500		2									
	chimney valves, dia.1300				8							
	shut-off valves, dia. 2460			1								
	gas throttle valves, dia. 1300				12						1	
	gas throttle valves, dia. 1100										3	3
	racks sets											7
	electric drive set				20							7
rope pulley D2000			5									
plug valves, dia. 275						4						

Russia, "Prominvestresurs" Ltd.	hot blast valve disk, dia. 900							2				
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Russia, "Metalloinvest-Steel" Ltd. (for "Ural Steel" JSC)	hot blast valves, dia. 1100			20		9	15	9				
	racks sets					4	15	9				
	electric drive set			4		4	6	8				
	flange set, dia. 1740			18		16	4					

Russia, "Serov Iron & Steel Works" JSC	hot blast valves, dia. 900	2	1		1	1	5	2				6
	spare parts for hot blast valves, dia. 900					2			2			
	gas throttle valves, dia. 1100						2					
	electric drive set						2					
	flange											6

Russia, "Chusovskoi Iron & Steel Works" JSC	hot blast valves, dia. 900						4	1				
	hot blast valves, dia. 1100				2	3	2	1				
	cold blast valves, dia. 900						3		1			

	cold blast valves, dia. 1200					1			1		
	air-outlet valves, dia. 1400 "Snort"						1				
	atmospheric valves, dia. 400						4				
	spare parts for atmospheric valves, dia. 400								2		
	spare parts for atmospheric valves, dia. 800								2		
	bypass valves, dia. 500					1	1	1			
	chimney valves, dia. 1100					2		1			
	shut-off valves, dia. 1520							1			
	cut-off valves, dia. 500							5	1		
	cut-off valves, dia. 850						1	4	2		
	equalizing valves, dia. 300				2			2	2		
	gas throttle valves, dia. 500							5	1		
	gas throttle valves, dia. 1100				2		1	2	1		
	racks sets						3	2			
	electric drive set				4		3	2	6	1	
flange set, dia. 1740				4		6	4	2			

<b>Ukraine, "Makeevsky Metallurgical plant" JSC</b>	hot blast valves, dia. 1100					7	7				
	cut-off valves, dia. 1200					1					
	gas throttle valves, dia. 1100						2				
	racks sets					5					
	electric drive set					5	2				
	flange set, dia. 1740					10					

<b>Ukraine, "Enakievsky Metallurgical Plant" JSC</b>	hot blast valves, dia. 1100					4					
	gas throttle valves, dia. 1100					6			3		
	racks sets					4					
	electric drive set					10			3		
	flange set, dia. 2090					8					

<b>Russia, "Tulacherment"</b>	hot blast valves, dia. 1100		12	10	2	2		4	3		4
	cold blast valves, dia.1200			1							
	atmospheric valves, dia. 250 with electric drive			1	4	5					
	atmospheric valves, dia. 250 with loads			1	4						

	chimney valves, dia. 1300				4					
	shut-off valves, dia. 350		3					3		
	cut-off valves, dia. 1200		2							
	equalizing valves, dia. 300		6	4		4				
	gas throttle valves, dia. 1100		2	4		2				
	electric drive set			1	5	4				
	flange set, dia. 1990					6		4	1	3
	goggle valves, dia.1100					4				
	rope pulley D2000			4						
	throttle units			1	1				1	
irrigator throttle units								1		

<b>Russia, "Chelyabinsk Metallurgical Works" JSC</b>	hot blast valves, dia. 1100		3	6	6	6				
	equalizing valves, dia. 300				2					

<b>Russia, "Kosogorsk Iron and Steel Plant" JSC</b>	hot blast valves, dia. 900							1		
	hot blast valves, dia. 1100				2	3		4		3
	hot blast valve disk, dia. 1100				6			4		
	hot blast valve traverse, dia. 1100							4		
	gas throttle valves, dia. 1100				2					
	racks sets							4		3
	dust valve seats, dia. 350							4		
	dust valve disc (valve), dia. 350							4		
	flange set, dia. 1740									2
	flange set, dia. 1990									1
gate-type cut-off dust valves, dia. 350									1	

<b>Russia, "Lipetsk Iron &amp; Steel Works "Svobodny Sokol" JSC</b>	hot blast valves, dia. 1000					2				
	hot blast valves, dia. 1100			1	5	7		1	1	
	hot blast valve disk, dia.1100				4			5		
	hot blast valve body, dia. 1100							2		2
	cold blast valves, dia. 1200				1					
	atmospheric valves, dia. 250 with loads				3				2	

	bypass valves, dia. 500				2						
	shut-off valves, dia. 1100								1		
	equalizing valves, dia. 300	5		5							
	gas throttle valves, dia. 1100			1	3	2			1		
	racks sets			1	3	2			1		
	electric drive set			2	3	4			3		
	flange set, dia. 1740			2	5	3			1		
	goggle valves, dia. 1100				1				1		
	plug valves, dia. 275	2						1	2		
feed tubes				8							

Russia, "Satka Iron-Smelting Works" JSC	hot blast valves, dia. 900	5			1		2		1		8
	hot blast valves, dia. 1100	1			2					3	
	hot blast valve disk, dia. 1100				1						
	atmospheric valves, dia. 250 with electric drive	2									
	atmospheric valves, dia. 400	4									
	gas throttle valves, dia. 1100	3									1
	electric drive set	2									
	flange set, dia. 2090									4	
	racks sets									2	

Russia, "Pashiysk metallurgical plant" JSC	hot blast valves, dia. 900			1							
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Russia, "Verkhnyaya Sinyachikha metallurgical plant" JSC	hot blast valves, dia. 900		2								
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Kazakhstan, "Arcelor Mittal Temirtau" JSC	hot blast valves, dia. 1100							2			3
	hot blast valves, dia. 1300										2
	racks sets							2			5
	electric drive set							2			4
	flange set, dia. 1740							4			6
	flange set dia. 2335 for hot blast valve dia. 1300								8		4

Ukraine, "Dniepropetrovsk Iron and Steel	hot blast valves, dia. 1100		4	4	9		7	4	4		
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<b>works named after Petrovsky" JSC</b>	air-outlet valves, dia. 1400 "Snort"				1					
	cut-off valves, dia. 1200				1		1			
	equalizing valves, dia. 300						4			
	gas throttle valves, dia. 1100						5			
	electric drive set		2	1	7		7			
	racks sets		2	1	6		7			
	flange set, dia. 1740						4	16		
rope pulley, D2000							6			

<b>Ukraine, "Zaporozhstal" JSC</b>	hot blast valves, dia. 1100				3	2	6			
	hot blast valve traverse, dia. 1100					2	6			
	atmospheric valves, dia. 250 with electric drive			1	8					
	atmospheric valves, dia. 400			1						
	bypass valves, dia. 500			3						
	chimney valves, dia. 1100			6						
	equalizing valves, dia. 450				4		4			
	gas throttle valves, dia. 1100			6	13					
	throttle mixing valves, dia. 1100				3					
	electric drive set				7					
	racks sets				6					
	flange set, dia. 1740				1					
flange set, dia. 2090				10						

<b>Ukraine, "Dneprovsky Iron &amp; Steel Integrated Works named after F. Dzerginsky" JSC</b>	hot blast valves, dia. 1100				24	19	18		14	
	gas throttle valves, dia. 1100				1					
	valve spare parts									1
	electric drive set					9			14	
	racks sets				12	15			14	
	flange set, dia. 1740			12	24	38	10		18	
plug valves, dia. 275				3						

<b>Ukraine, "Mariupol Iron &amp; Steel Works "Azovstal" JSC</b>	hot blast valves, dia. 1100					4	16	21	9	
	hot blast valve disk, dia. 1100							17		
	atmospheric valves, dia. 400									
	atmospheric valves, dia. 800					2				
	bypass valves, dia. 500					3				
	cut-off valves, dia. 1100					5				
	shut-off valves, dia. 2750					1				
	equalizing valves, dia. 300					1				

	throttle mixing valves, dia. 900					1					
	racks sets					9					
	electric drive set					14					
	flange set, dia. 1740					6	2	5			
	flange set, dia. 1990							20			
	flange set, dia. 1990					1	8	14		6	
	flange set, dia. 2090					7	2	6			
	goggle valves, dia. 400						8				
	plug valves, dia. 275						4				
	feed tubes							34			
	burden level meter (chain probe)								2		
	stockrod winch with capacity of 600								2		

Ukraine, "Mariupol Illich Metallurgical Plant" JSC	hot blast valves, dia. 1100						12	12	19	4	9
	hot blast valve disk, dia. 1100						20	20		2	10
	equalizing valves, dia. 300							4		4	2
	gas throttle valves, dia. 1100							6	1		
	electric drive set							10	3		9
	flange set, dia. 1990						9	21	10		5
	racks sets 1100										9
	goggle valves, dia. 275							2		2	
	burden level meter (chain probe)							2			
	stockrod winch with a capacity of 600 (chain probe)							2			
	rope pulley, D2000							6	6		2

Ukraine, "Donetskstal-MZ" Ltd.	hot blast valves, dia. 1100						2				4
	cold blast valves, dia. 1200 with electric system						1				
	gate-type cut-off dust valves, dia 350										
	shut-off valves, dia. 350						1				
	throttle mixing valves, dia. 900						1				
	cold blast throttle valve, dia. 900						1				1
	flange set, dia. 1740										5
	racks sets 1100										2
	traverse										2
electric drive set										1	

<b>Ukraine, " Arcelor Mittal Kryvyi Rih", JSC</b>	hot blast valves, dia. 1100		9	14	3			6			
	hot blast valve disk, dia. 1100			8	5						
	hot blast valves, dia. 1300							8			
	hot blast valves, dia. 2000			2							
	hydraulic drive for hot blast valves, dia. 2000			2							
	hot blast valve disk, dia. 2000			3						1	
	hot blast valve rings, dia. 2000			6						2	
	Expansion devices for hot blast valves, dia. 2000							60			
	atmospheric valves, dia. 250 with electric drive				5						
	atmospheric valves, dia. 250 with loads							4			
	atmospheric valves, dia. 400				2						
	shut-off valves, dia. 1100				1						
	gas throttle valves, dia. 1300							8			
	racks sets		9	5				8			
	electric drive set		9	8				14			
	flange set, dia. 1740		18		6						
hot blast valves dia. 2000 spare set									1		
<b>Ukraine, "Alchevsk Metallurgical Plant" JSC</b>	hot blast valves, dia. 900							2			
	hot blast valves, dia. 1100							6	3	2	
	racks sets							6	3	2	
	electric drive set							6			
	flange set, dia. 1740							4			
	flange set, dia. 1990							4			
<b>Russia, "Mechel" JSC</b>	hot blast valves, dia. 1100									1	
<b>India, Vizakhapatnam Steel Plant</b>	rope pulley, D2000; rings D1300						6				
<b>Turkey, Iskenderun Iron &amp; Steel Works Co</b>	hot blast valves, dia. 1100						4		3		
	hot blast valves, dia. 1100 (without drive)					4	5				
	hot blast valves, dia. 1100 with traverse									9	
	hot blast valve disk, dia. 1100								3		
<b>India, Bokaro Steel Plant (SAIL)</b>	hot blast valves, dia. 1100	5									

<b>Slovakia, IMET(for "USSteel Kosice" JSC)</b>	hot blast valves, dia. 1300					2					
	hot blast valve discs, dia. 1300					2					
	gas throttle valves, dia. 1100					1					
	gas throttle valves, dia. 1300					1					
	electric drive set					1					
	feed tubes								4		4
<b>Egypt, Helwan, EISCO</b>	hot blast valves, dia. 1100						4	7			
	equalizing valves, dia. 300							4			
	gas throttle valves, dia. 1100							3			
<b>Iran, Isfahan, ESCO</b>	hot blast valves, dia. 1100								6		
	chimney valve, dia. 1100							1			
	chimney valve, dia. 1300							1			
<b>Hungary, Dunaujvaros, DUNAFERR</b>	hot blast valves, dia. 1100							2			
	Hot blast valves discs, dia. 1100					2			1		
	bypass valves, dia. 500					1		1			
	electric drive set							1			

## Supplies in 1977-1996

Country	Scope of supply, pc.	Year
Egypt	30	1977-1991
Algeria	33	1983-1996
Bulgaria	42	1977-1996
Hungary	29	1979-1995
German Democratic Republic	14	1979
India	86	1977-1990
Iran	4	1979-1982
Nigeria	11	1983-1985
Pakistan	32	1977-1992
Turkey	25	1977-1990
Finland	6	1977
Yugoslavia	14	1978-1983
China	2	1991
France	12	1980

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FM 90597