



Blast furnace equipment

Customer	Description	Supplies from 2001 to 2009								
		2001	2002	2003	2004	2005	2006	2007	2008	2009
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
	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			
	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

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

Russia, "Severstal" JSC	hot blast valves, dia. 1100		6	5						4
	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
	racks sets									
	electric drive set				20					
	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		
	spare parts for hot blast valves, dia. 900					2			2	
	gas throttle valves, dia. 1100						2			
	electric drive set						2			

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			

Ukraine, "Makeevsky Metallurgical plant" JSC	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				

Ukraine, "Enakievsky Metallurgical Plant" JSC	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				

Russia, "Tulacherment"	hot blast valves, dia. 1100		12	10	2	2		4	3	
	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
	goggle valves, dia.1100				4				
	rope pulley D2000			4					
	throttle units			1	1				1
	irrigator throttle units								1

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

Russia, "Kosogorsk Iron and Steel Plant" JSC	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

Russia, "Lipetsk Iron & Steel Works "Svobodny Sokol" JSC	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
	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	
	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								
	electric drive set	2								
	flange set, dia. Ø 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		
	racks sets							2		
	electric drive set							2		
	flange set, dia. 1740							4		
	flange set dia. 2335 for hot blast valve dia. 1300								8	

Ukraine, "Dniepropetrovsk Iron and Steel Works named after Petrovsky" JSC	hot blast valves, dia. 1100		4	4	9		7	4	4	
	air-outlet valves, dia. 1400 "Snort"				1					
	cut-off valves, dia. 1200				1		1			
	equalizing valves, dia. 300						4			
	electric drive set		2	1	7		7			

	racks sets		2	1	6		7		
	flange set, dia. 1740					4	16		
	rope pulley, D2000						6		

Ukraine, "Zaporozhstal" JSC	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					

Ukraine, "Dneprovsky Iron & Steel Integrated Works named after F. Dzerzhinsky" JSC	hot blast valves, dia. 1100				24	19	18		14
	gas throttle valves, dia. 1100				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				

Ukraine, "Mariupol Iron & Steel Works "Azovstal" JSC	hot blast valves, dia. 1100					4	16	21	9
	hot blast valve disk, dia. 1100							17	
	hot blast valve traverse, dia.1100								
	atmospheric valves, dia. 400					2			
	atmospheric valves, dia. 800					3			
	bypass valves, dia. 500					5			
	cut-off valves, dia. 1100					1			
	shut-off valves, dia. 2750					1			
	equalizing valves, dia. 300					1			
	throttle mixing valves, dia. 900					9			
	racks sets					14			

	electric drive set					6	2	5		
	flange set, dia. 1740							20		
	flange set, dia. 1740					1	8	14		6
	flange set, dia. 1990					7	2	6		
	flange set, dia. 2090						8			
	goggle valves, dia. 400						4			
	plug valves, dia. 275							34		
	feed tubes									2
	burden level meter (chain probe)									2

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

Ukraine, "Donetskstal-MZ" Ltd.	hot blast valves, dia. 1100						2			
	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			
	electric drive set						1			

Ukraine, " Arcelor Mittal Kryvyi Rih", JSC	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	

Ukraine, "Alchevsk Metallurgical Plant" JSC	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			

Russia, "Mechel" JSC	hot blast valves, dia. 1100									1
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India, Vizakhapatnam Steel Plant	rope pulley, D2000; rings D1300							6		
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Turkey, Iskenderun Iron & Steel Works Co	hot blast valves, dia. 1100							4		3
	hot blast valves, dia. 1100 (without drive)						4	5		
	hot blast valve disk, dia. 1100									3

India, Bokaro Steel Plant (SAIL)	hot blast valves, dia. 1100	5								
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Slovakia, IMET(for "USSteel Kosice" JSC)	hot blast valve discs, dia. 1100						2			1
	hot blast valves, dia. 1300						2			
	hot blast valve discs, dia. 1300						2			

	bypass valves, dia. 500					1				
	gas throttle valves, dia. 1100					1				
	gas throttle valves, dia. 1300					1				
	electric drive set					1				
	feed tubes								4	

Egypt, Helwan, EISCO	hot blast valves, dia. 1100						4	7		
	equalizing valves, dia. 300							4		
	gas throttle valves, dia. 1100							3		
	electric drive set							7		

Iran, Isfahan, ESCO	hot blast valves, dia. 1100								6	
	chimney valve, dia. 1100							1		
	chimney valve, dia. 1300							1		

Hungary, Dunaujvaros, DUNAFERR	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

Krasnaya 19, Electrostal, Moscow region, 144005, Russia
 Tel. +7 (495) 702-97-57 / Fax: +7 (496) 577-73-04
 e-mail: eztm@eztm.ru / web: www.eztm.ru