

Production and Uses of Steel Slag in Japan

(Unit: metric kilo ton)

Fiscal Year	Slag Type	Production	Uses								Land fill	Total
			Recycl-ing	Road	Cement	Soil im-provement	Civil	Outside Recycling	Others	Total		
1999	LD	9,922	2,733	1,228	670	1,435	3,001	426	169	9,662	17	9,679
	EF	3,270	249	1,144	51	120	373	598	73	2,608	459	3,067
	Total	13,192	2,982	2,372	721	1,555	3,374	1,024	242	12,270	476	12,746
2000	LD	10,640	3,131	1,646	750	392	3,266	619	69	9,873	28	9,901
	EF	3,467	272	1,137	56	102	587	808	77	3,039	319	3,358
	Total	14,107	3,403	2,783	806	494	3,853	1,427	146	12,912	347	13,259
2001	LD	10,508	3,234	1,728	785	675	3,318	420	111	10,271	152	10,423
	EF	3,214	216	1,153	54	104	565	746	141	2,979	233	3,212
	Total	13,722	3,450	2,881	839	779	3,883	1,166	252	13,250	385	13,635
2002	LD	8,839	1,987	1,940	485	464	4,353	381	131	9,741	149	9,890
	EF	3,329	131	1,528	66	122	688	298	108	2,941	212	3,153
	Total	12,168	2,118	3,468	551	586	5,041	679	239	12,682	361	13,043
2003	LD	9,452	2,167	2,271	296	337	3,862	419	198	9,550	156	9,707
	EF	3,364	122	1,161	71	150	1,161	302	116	3,083	218	3,301
	Total	12,816	2,289	3,432	367	486	5,024	721	315	12,634	374	13,008
2004	LD	9,789	1,973	2,318	257	343	4,355	415	150	9,811	137	9,948
	EF	3,591	91	1,308	63	187	1,080	249	229	3,207	255	3,462
	Total	13,380	2,064	3,626	320	530	5,435	664	379	13,018	392	13,410
2005	LD	10,532	1,909	2,542	462	26	5,929	304	188	11,360	91	11,451
	EF	3,528	67	1,306	60	184	1,178	227	198	3,220	226	3,446
	Total	14,060	1,976	3,848	522	210	7,107	531	386	14,580	317	14,897
2006	LD	10,959	1,875	2,169	571	130	6,429	148	173	11,495	106	11,601
	EF	3,608	81	1,115	59	145	1,360	341	211	3,312	237	3,547
	Total	14,567	1,956	3,284	629	275	7,789	489	384	14,806	342	15,148
2007	LD	11,555	1,559	1,989	634	1,441	6,387	96	158	12,264	166	12,430
	EF	3,678	97	1,097	61	340	1,180	352	292	3,419	249	3,669
	Total	15,233	1,656	3,086	696	1,781	7,567	448	450	15,684	415	16,099
2008	LD	11,006	1,589	2,068	584	578	4,942	18	483	10,262	170	10,431
	EF	2,959	72	1,134	30	139	1,104	314	137	2,930	269	3,200
	Total	13,965	1,661	3,202	613	716	6,046	332	621	13,191	439	13,631
2009	LD	9,801	1,607	1,860	529	1,138	3,668	26	598	9,426	99	9,525
	EF	2,380	40	1,013	21	88	676	185	134	2,157	177	2,334
	Total	12,181	1,647	2,873	550	1,226	4,344	211	732	11,583	276	11,859
2010	LD	11,674	2,214	2,862	547	577	3,932	32	296	10,460	81	10,541
	EF	2,842	38	974	24	97	705	284	132	2,254	217	2,471
	Total	14,516	2,252	3,836	571	674	4,637	316	428	12,714	298	13,012
2011	LD	11,347	2,466	3,751	609	497	4,221	11	946	12,501	85	12,586
	EF	2,863	36	985	26	99	1,012	233	169	2,560	246	2,806
	Total	14,210	2,503	4,736	635	595	5,233	244	1,115	15,061	331	15,392
2012	LD	11,036	2,584	3,085	525	426	3,474	10	734	10,839	62	10,901
	EF	2,726	26	1,070	20	29	1,240	196	201	2,781	138	2,920
	Total	13,762	2,610	4,155	545	455	4,714	206	935	13,620	201	13,821
2013	LD	11,620	2,435	4,176	531	807	4,239	23	613	12,823	34	12,857
	EF	2,777	25	1,007	35	72	1,206	124	263	2,733	107	2,840
	Total	14,397	2,459	5,182	566	879	5,446	147	877	15,556	141	15,697
2014	LD	12,247	3,228	4,003	504	551	3,738	20	715	12,760	55	12,816
	EF	2,831	33	1,062	20	58	1,087	123	290	2,673	138	2,811
	Total	15,079	3,261	5,065	525	608	4,826	143	1,006	15,434	194	15,627
2015	LD	11,614	3,005	3,514	479	442	3,386	25	616	11,468	52	11,521
	EF	2,624	47	1,155	26	20	869	83	256	2,456	166	2,623
	Total	14,238	3,053	4,670	505	463	4,255	108	872	13,925	219	14,143
2016	LD	11,482	2,614	3,351	515	509	3,657	19	726	11,391	103	11,494
	EF	2,627	65	1,159	25	16	959	47	251	2,522	124	2,646
	Total	14,110	2,679	4,509	540	525	4,615	67	977	13,913	227	14,140

Source: Nippon Slag Association