

**2017**

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***STATISTICS OF***

---

***RECOVERED PAPER***

---

***IN JAPAN***

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PUBLIC INTEREST INCORPORATED FOUNDATION  
PAPER RECYCLING PROMOTION CENTER

# Index

State of recovered paper (2017) -----	1
General situation of paper & paperboard production and shipment (2017) -----	1
Trends in paper & paperboard production -----	2
Trends in consumption of recovered paper & wood pulp -----	2
Trends in recovered paper recovery rate & utilization rate -----	3
Trends in exports & imports of paper and paperboard -----	3
Trends in exports & imports of recovered paper -----	3
Trends in recovered paper recovery rate -----	4
Trends in consumption of recovered paper classified by grades -----	5
Trends in consumption of recovered paper classified by grades for paper and paperboard -----	6
Trends in supply & demand of recovered paper (2017) -----	7
Trends in consumption of recovered paper for papermaking (2017) -----	8
Trends in utilization rate & consumption of fiber stocks for paper and paperboard -----	9
Trends in production of paper & paperboard -----	10
Trends in shipment of paper & paperboard -----	11
Consumption rate index per ton of fiber for paper production -----	12
Exports of recovered paper classified by countries (2017) -----	13
Imports of recovered paper classified by countries (2017) -----	16
Trends in exports of paper & paperboard -----	19
Trends in imports of paper & paperboard -----	20
Recovered paper generation / distribution route (2017) -----	21
Roles of recovered paper recycling by agents -----	22
Estimation of recovery rate by grades (2017) -----	23
Estimation rate of recovered paper consumption for paper production (2017) -----	24
Use of recovered paper (2017) -----	25
Trends of quantity and composition ratio of products used recovered paper in the field except paper manufacture -----	26
Trends in price of recovered papers -----	27
The list of Japanese standard qualities of recovered paper -----	28

Data source of:

1. Monthly Report of Paper, Pulp, Plastics Products and Rubber Products Statistics  
Research and Statistics Department, METI
2. Japan Export of Pulp and Paper by Commodity and Country  
Ministry of Finance
3. Japan Import of Pulp and Paper by Commodity and Country  
Ministry of Finance

(This statistics booklet is made of recycled paper.)

**Table 1 State of recovered paper (2017)**

( METRIC TON,% )

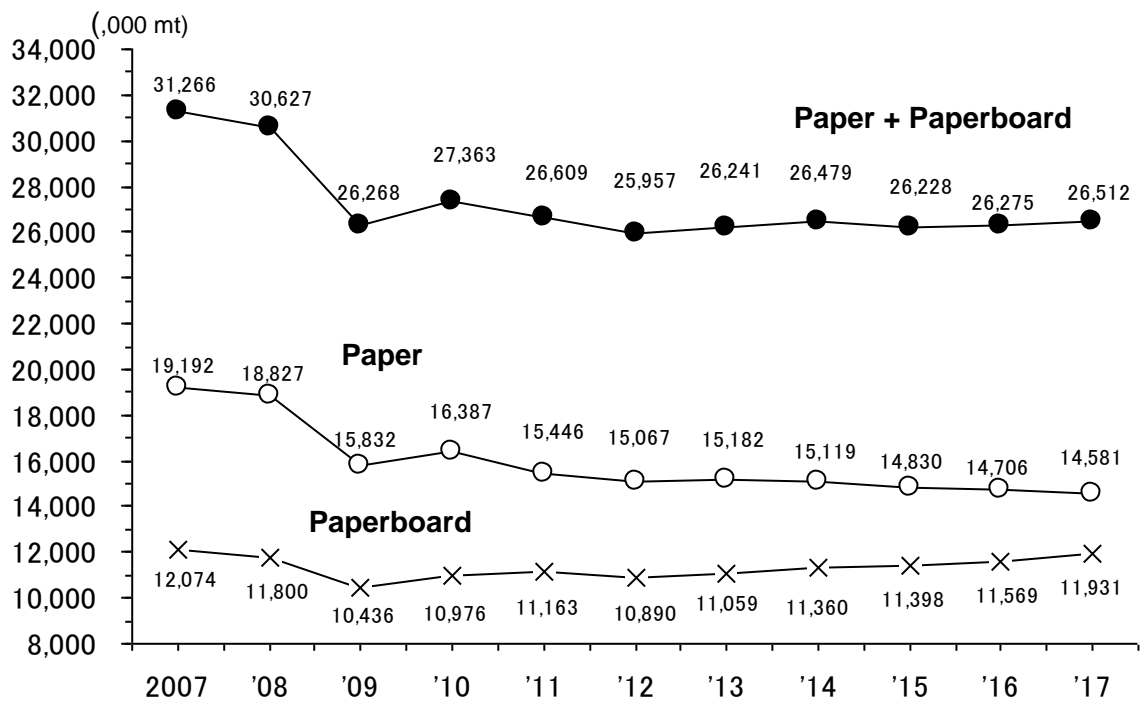
Grades	Supply	Ratio for the	Consumption	Ratio for the
		year before %		year before %
<b>Total</b>	<b>17,220,036</b>	<b>101.4</b>	<b>17,113,702</b>	<b>100.5</b>
Hard white shavings, white card	66,949	102.8	67,218	103.0
White woody shavings, white manila	51,372	100.7	51,943	100.4
Fine paper printed (incl. coated paper)	1,765,834	96.7	1,774,262	97.6
Kraft browns	46,697	101.8	47,624	101.0
Quires woody paper printed	90,703	93.0	90,768	90.9
Old newspaper	3,658,592	97.0	3,619,481	95.2
Old magazines	2,045,365	105.7	2,033,640	104.8
Old corrugated containers	9,128,304	103.6	9,066,882	102.7
Box board cuttings	366,220	98.0	361,884	95.6

**Table 2 General situation of paper & paperboard production and shipment (2017)**

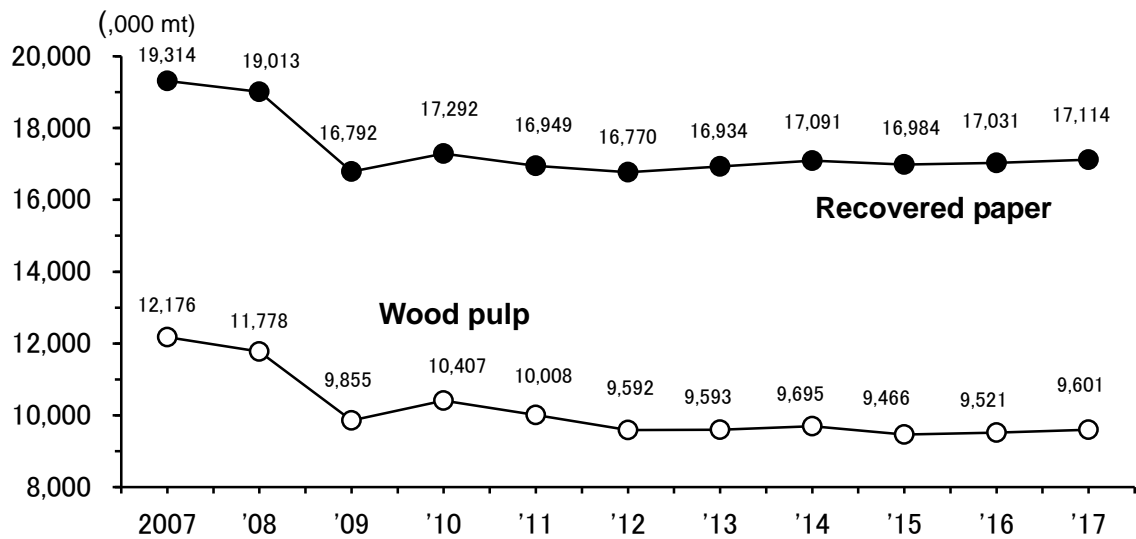
( METRIC TON,% )

Grades	Production	Ratio for the	Shipment	Ratio for the
		Year before %		Year before %
<b>Total</b>	<b>26,511,878</b>	<b>100.9</b>	<b>26,479,186</b>	<b>100.7</b>
<b>Paper total</b>	<b>14,580,517</b>	<b>99.1</b>	<b>14,515,903</b>	<b>98.6</b>
Newsprint	2,778,726	95.6	2,777,489	95.4
Printing and communication paper	8,242,475	99.2	8,177,573	98.4
Wrapping paper	896,348	102.2	891,265	100.4
Sanitary paper	1,785,519	98.8	1,789,920	99.1
Miscellaneous paper	877,449	108.8	879,656	108.6
<b>Paperboard total</b>	<b>11,931,361</b>	<b>103.1</b>	<b>11,963,283</b>	<b>103.3</b>
Liner and corrugating medium	9,681,555	103.4	9,711,353	103.7
White paperboard	1,455,131	101.4	1,458,075	101.6
Patent coated paperboard	142,177	100.9	143,126	100.0
Building board	205,623	103.6	205,226	102.6
Other paperboard	446,875	103.7	445,503	102.9

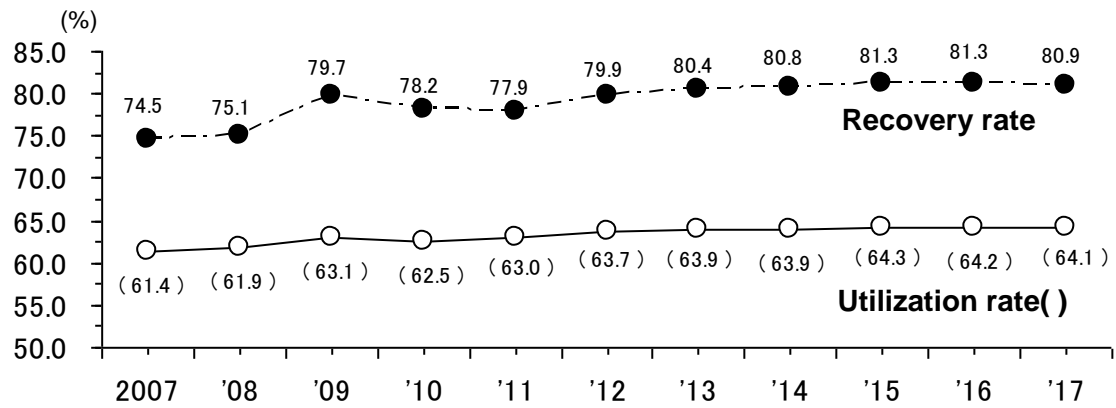
**Fig.1 Trends in paper & paperboard production**



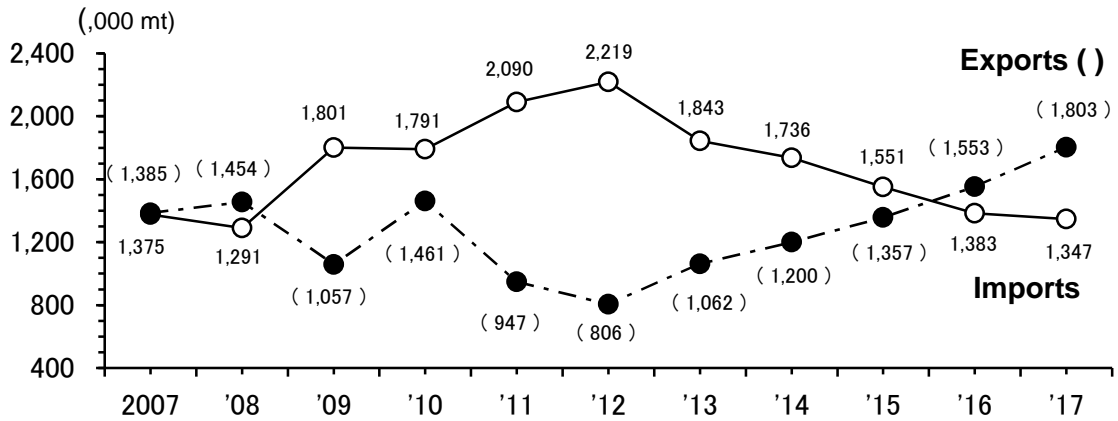
**Fig.2 Trends in consumption of recovered paper & wood pulp**



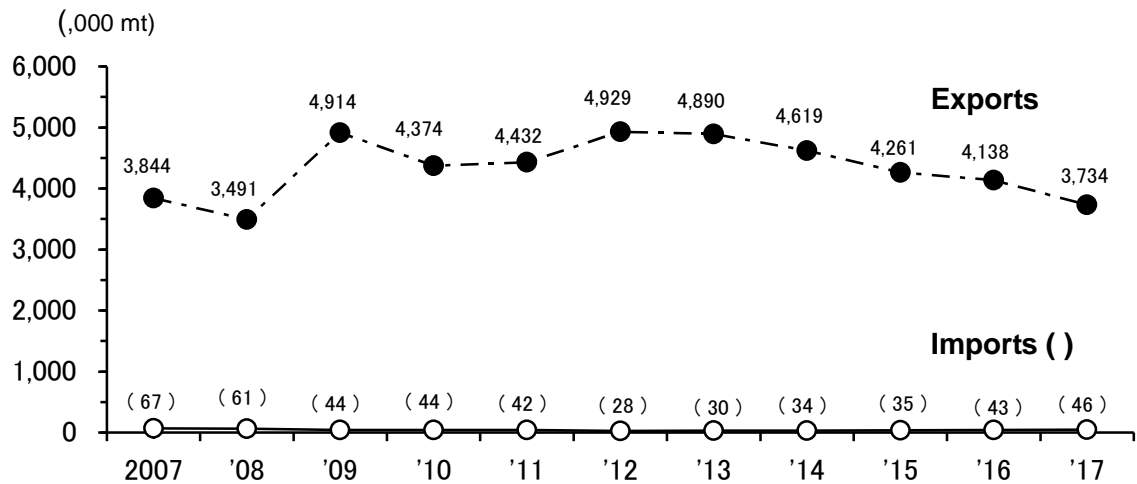
**Fig.3 Trends in recovered paper recovery rate & utilization rate**



**Fig.4 Trends in exports & imports of paper and paperboard**



**Fig.5 Trends in exports & imports of recovered paper**



**Table 3 Trends in recovered paper recovery rate**

( METRIC TON, % )

Year	Shipment			Imports of	Exports of	The Balance	Imports of	Exports of	Recovered paper	Deinked	Recovery	Recovery rate
	Paper	Paperboard	Total A	paper & paperboard B	paper & paperboard C	A+B-C=D	recovered paper E	recovered paper F	supply G	market pulp G'	G+G'-E+F=H	H / D(%)
1960	2,836,389	1,617,921	4,454,310	1,087	168,812	4,286,585	27,208	1,432	1,492,224		1,466,448	34.2
1965	4,216,211	3,105,801	7,322,012	16,638	230,197	7,108,453	76,328	1,104	2,799,958		2,724,734	38.3
1970	7,003,897	5,664,687	12,668,584	99,527	507,789	12,260,322	109,848	5,517	4,836,852		4,732,521	38.6
1975	7,853,157	6,031,966	13,885,123	106,628	653,128	13,338,623	120,865	39,360	5,209,577	33,925	5,161,997	38.7
1980	10,190,586	7,465,215	17,655,801	493,292	655,894	17,493,199	223,655	19,772	8,187,132	95,216	8,078,465	46.2
1985	11,736,473	8,632,570	20,369,043	701,258	868,920	20,201,381	300,162	17,660	10,325,984	107,303	10,150,785	50.2
1990	16,391,232	11,703,448	28,094,680	1,034,757	903,510	28,225,927	634,254	21,858	14,474,269	159,598	14,021,471	49.7
1995	17,457,108	12,201,806	29,658,914	1,274,747	912,051	30,021,610	478,723	41,519	15,769,597	142,378	15,474,771	51.5
2000	18,991,058	12,729,981	31,721,039	1,469,864	1,432,410	31,758,493	278,084	372,182	18,065,898	172,119	18,332,115	57.7
2001	18,388,774	12,389,807	30,778,581	1,583,069	1,289,712	31,071,938	213,628	1,466,182	17,680,393	189,214	19,122,161	61.5
2002	18,524,697	12,181,986	30,706,683	1,517,486	1,577,728	30,646,441	143,621	1,897,116	18,079,468	213,189	20,046,152	65.4
2003	18,325,529	12,100,448	30,425,977	1,829,880	1,326,277	30,929,580	117,680	1,970,607	18,387,288	202,398	20,442,613	66.1
2004	18,769,844	12,085,458	30,855,302	1,960,862	1,439,018	31,377,146	80,548	2,835,392	18,553,381	198,769	21,506,994	68.5
2005	18,812,510	12,056,384	30,868,894	1,753,714	1,240,119	31,382,489	77,445	3,710,482	18,505,253	181,456	22,319,746	71.1
2006	19,049,649	12,058,945	31,108,594	1,650,790	1,218,383	31,541,001	71,722	3,886,905	18,818,833	191,313	22,825,329	72.4
2007	19,268,247	12,045,997	31,314,244	1,374,672	1,385,119	31,303,797	66,537	3,843,931	19,381,046	166,201	23,324,641	74.5
2008	18,678,924	11,787,351	30,466,275	1,290,700	1,453,764	30,303,211	61,480	3,490,786	19,154,236	168,705	22,752,247	75.1
2009	15,993,253	10,456,771	26,450,024	1,801,284	1,057,181	27,194,127	43,958	4,914,123	16,643,548	150,206	21,663,919	79.7
2010	16,448,738	10,973,037	27,421,775	1,791,429	1,461,328	27,751,876	43,870	4,373,578	17,235,399	149,924	21,715,031	78.2
2011	15,408,071	11,112,329	26,520,400	2,089,917	947,374	27,662,943	42,190	4,432,132	17,011,765	150,871	21,552,578	77.9
2012	14,956,949	10,860,730	25,817,679	2,218,735	806,165	27,230,249	27,600	4,929,315	16,720,687	129,220	21,751,622	79.9
2013	15,311,931	11,109,651	26,421,582	1,843,203	1,061,915	27,202,870	30,076	4,889,715	16,875,289	129,338	21,864,266	80.4
2014	15,075,103	11,305,589	26,380,692	1,736,471	1,200,412	26,916,751	34,143	4,618,628	17,040,027	124,996	21,749,508	80.8
2015	14,796,513	11,323,326	26,119,839	1,551,086	1,357,351	26,313,574	34,909	4,261,372	17,039,996	134,481	21,400,940	81.3
2016	14,726,053	11,575,875	26,301,928	1,383,002	1,553,253	26,131,677	43,419	4,137,944	16,976,664	162,100	21,233,289	81.3
2017	14,515,903	11,963,283	26,479,186	1,347,443	1,803,362	26,023,267	46,490	3,733,964	17,220,036	139,763	21,047,273	80.9

Note : Recovered paper used to product the denied market pulp was calculated as yield 80%. (G')

**Table 4 Trends in consumption of recovered paper classified by grades**

( METRIC TON, % )

Year	Item	Total	Hard white shavings, white cards	White woody shavings, white manila	Fine paper printed	Kraft browns	Quires woody paper printed	Old newspaper	Old magazines	Old corrugated containers	Box board cuttings
2010	Consumption	17,292,214	72,538	54,812	1,973,810	63,125	150,826	4,385,974	2,297,633	7,903,282	390,214
	Proportion	100.0	0.4	0.3	11.4	0.4	0.9	25.4	13.3	45.7	2.3
	Ratio of the year before	103.0	97.0	103.5	103.2	93.2	89.8	98.3	98.7	107.7	101.5
	Contribute ratio/Growth of consumption	100.0	-0.5	0.4	12.3	-0.9	-3.4	-15.6	-5.8	112.4	1.1
2011	Consumption	16,949,049	70,453	55,448	1,978,131	60,182	139,383	3,972,727	2,234,475	8,052,116	386,134
	Proportion	100.0	0.4	0.3	11.7	0.4	0.8	23.4	13.2	47.5	2.3
	Ratio of the year before	98.0	97.1	101.2	100.2	95.3	92.4	90.6	97.3	101.9	99.0
	Contribute ratio/Growth of consumption	-100.0	-0.6	0.2	1.3	-0.9	-3.3	-120.4	-18.4	43.4	-1.2
2012	Consumption	16,770,075	63,819	53,943	1,970,269	51,971	128,684	4,085,778	2,170,359	7,867,308	377,944
	Proportion	100.0	0.4	0.3	11.7	0.3	0.8	24.4	12.9	46.9	2.3
	Ratio of the year before	98.9	90.6	97.3	99.6	86.4	92.3	102.8	97.1	97.7	97.9
	Contribute ratio/Growth of consumption	-100.0	-3.7	-0.8	-4.4	-4.6	-6.0	63.2	-35.8	-103.3	-4.6
2013	Consumption	16,933,920	65,581	52,492	1,913,784	47,222	126,121	4,132,063	2,134,611	8,082,621	379,425
	Proportion	100.0	0.4	0.3	11.3	0.3	0.7	24.4	12.6	47.7	2.2
	Ratio of the year before	101.0	102.8	97.3	97.1	90.9	98.0	101.1	98.4	102.7	100.4
	Contribute ratio/Growth of consumption	100.0	1.1	-0.9	-34.5	-2.9	-1.6	28.2	-21.8	131.4	0.9
2014	Consumption	17,091,464	66,016	52,757	1,901,619	47,182	122,681	4,070,987	1,993,727	8,448,767	387,728
	Proportion	100.0	0.4	0.3	11.1	0.3	0.7	23.8	11.7	49.4	2.3
	Ratio of the year before	100.9	100.7	100.5	99.4	99.9	97.3	98.5	93.4	104.5	102.2
	Contribute ratio/Growth of consumption	100.0	0.3	0.2	-7.7	0.0	-2.2	-38.8	-89.4	232.4	5.3
2015	Consumption	16,984,077	64,370	51,162	1,851,549	47,366	109,906	3,942,072	1,929,985	8,617,438	370,229
	Proportion	100.0	0.4	0.3	10.9	0.3	0.6	23.2	11.4	50.7	2.2
	Ratio of the year before	99.4	97.5	97.0	97.4	100.4	89.6	96.8	96.8	102.0	95.5
	Contribute ratio/Growth of consumption	-100.0	-1.5	-1.5	-46.6	0.2	-11.9	-120.0	-59.4	157.1	-16.3
2016	Consumption	17,031,430	65,274	51,717	1,817,539	47,156	99,884	3,801,864	1,939,744	8,829,868	378,384
	Proportion	100.0	0.4	0.3	10.7	0.3	0.6	22.3	11.4	51.8	2.2
	Ratio of the year before	100.3	101.4	101.1	98.2	99.6	90.9	96.4	100.5	102.5	102.2
	Contribute ratio/Growth of consumption	100.0	1.9	1.2	-71.8	-0.4	-21.2	-296.1	20.6	448.6	17.2
2017	Consumption	17,113,702	67,218	51,943	1,774,262	47,624	90,768	3,619,481	2,033,640	9,066,882	361,884
	Proportion	100.0	0.4	0.3	10.4	0.3	0.5	21.1	11.9	53.0	2.1
	Ratio of the year before	100.5	103.0	100.4	97.6	101.0	90.9	95.2	104.8	102.7	95.6
	Contribute ratio/Growth of consumption	100.0	2.4	0.3	-52.6	0.6	-11.1	-221.7	114.1	288.1	-20.1

Note : -: decrease

**Table 5 Trends in consumption of recovered paper classified by grades for paper and paperboard**

( METRIC TON, % )

For	Year	Item	Total	Hard white shavings, white cards	White woody shavings, white manila	Fine paper printed	Kraft browns	Quires woody paper printed	Old newspaper	Old magazines	Old corrugated containers	Box board cuttings	
P a p e r	2014	Consumption	5,930,345	13,673	1,780	1,611,046	8,379	108,802	3,812,035	368,562	2,146	3,922	
		Ratio	For paper total	100.0	0.2	0.0	27.2	0.1	1.8	64.3	6.2	0.0	0.1
			For consumption	34.7	20.7	3.4	84.7	17.8	88.7	93.6	18.5	0.0	1.0
		Ratio of the year before	98.2	109.1	72.7	99.6	101.8	96.3	98.5	90.6	68.5	98.9	
	Contribute ratio/ Growth of consumption	-100.0	1.1	-0.6	-5.6	0.1	-3.9	-54.9	-35.2	-0.9	-0.0		
	2015	Consumption	5,747,843	12,880	1,978	1,571,434	8,083	95,930	3,700,861	349,159	1,456	6,062	
		Ratio	For paper total	100.0	0.2	0.0	27.3	0.1	1.7	64.4	6.1	0.0	0.1
			For consumption	33.8	20.0	3.9	84.9	17.1	87.3	93.9	18.1	0.0	1.6
		Ratio of the year before	96.9	94.2	111.1	97.5	96.5	88.2	97.1	94.7	67.8	154.6	
	Contribute ratio/ Growth of consumption	-100.0	-0.4	0.1	-21.7	-0.2	-7.1	-60.9	-10.6	-0.4	1.2		
	2016	Consumption	5,530,661	12,480	1,862	1,531,809	8,471	85,302	3,549,966	333,448	1,872	5,451	
		Ratio	For paper total	100.0	0.2	0.0	27.7	0.2	1.5	64.2	6.0	0.0	0.1
			For consumption	32.5	19.1	3.6	84.3	18.0	85.4	93.4	17.2	0.0	1.4
		Ratio of the year before	96.2	96.9	94.1	97.5	104.8	88.9	95.9	95.5	128.6	89.9	
	Contribute ratio/ Growth of consumption	-100.0	-0.2	-0.1	-18.2	0.2	-4.9	-69.5	-7.2	0.2	-0.3		
	2017	Consumption	5,296,057	13,846	1,674	1,490,247	8,105	76,373	3,381,660	317,358	2,116	4,678	
Ratio		For paper total	100.0	0.3	0.0	28.1	0.2	1.4	63.9	6.0	0.0	0.1	
		For consumption	30.9	20.6	3.2	84.0	17.0	84.1	93.4	15.6	0.0	1.3	
Ratio of the year before		95.8	110.9	89.9	97.3	95.7	89.5	95.3	95.2	113.0	85.8		
Contribute ratio/ Growth of consumption	-100.0	0.6	-0.1	-17.7	-0.2	-3.8	-71.7	-6.9	0.1	-0.3			
P a p e r  b o a r d	2014	Consumption	11,161,119	52,343	50,977	290,573	38,803	13,879	258,952	1,625,165	8,446,621	383,806	
		Ratio	For paperboard total	100.0	0.5	0.5	2.6	0.3	0.1	2.3	14.6	75.7	3.4
			For consumption	65.3	79.3	96.6	15.3	82.2	11.3	6.4	81.5	100.0	99.0
		Ratio of the year before	102.4	98.7	101.9	97.9	99.5	106.0	99.5	94.1	104.5	102.2	
	Contribute ratio/ Growth of consumption	100.0	-0.3	0.4	-2.3	-0.1	0.3	-0.5	-38.5	137.9	3.1		
	2015	Consumption	11,236,234	51,490	49,184	280,115	39,283	13,976	241,211	1,580,826	8,615,982	364,167	
		Ratio	For paperboard total	100.0	0.5	0.4	2.5	0.3	0.1	2.1	14.1	76.7	3.2
			For consumption	66.2	80.0	96.1	15.1	82.9	12.7	6.1	81.9	100.0	98.4
		Ratio of the year before	100.7	98.4	96.5	96.4	101.2	100.7	93.1	97.3	102.0	94.9	
	Contribute ratio/ Growth of consumption	100.0	-1.1	-2.4	-13.9	0.6	0.1	-23.6	-59.0	225.5	-26.1		
	2016	Consumption	11,500,769	52,794	49,855	285,730	38,685	14,582	251,898	1,606,296	8,827,996	372,933	
		Ratio	For paperboard total	100.0	0.5	0.4	2.5	0.3	0.1	2.2	14.0	76.8	3.2
			For consumption	67.5	80.9	96.4	15.7	82.0	14.6	6.6	82.8	100.0	98.6
		Ratio of the year before	102.4	102.5	101.4	102.0	98.5	104.3	104.4	101.6	102.5	102.4	
	Contribute ratio/ Growth of consumption	100.0	0.5	0.3	2.1	-0.2	0.2	4.0	9.6	80.1	3.3		
	2017	Consumption	11,817,645	53,372	50,269	284,015	39,519	14,395	237,821	1,716,282	9,064,766	357,206	
Ratio		For paperboard total	100.0	0.5	0.4	2.4	0.3	0.1	2.0	14.5	76.7	3.0	
		For consumption	69.1	79.4	96.8	16.0	83.0	15.9	6.6	84.4	100.0	98.7	
Ratio of the year before		102.8	101.1	100.8	99.4	102.2	98.7	94.4	106.8	102.7	95.8		
Contribute ratio/ Growth of consumption	100.0	0.2	0.1	-0.5	0.3	-0.1	-4.4	34.7	74.7	-5.0			

Notes : See the table 4 for consumption total. -: decrease



**Table 6 Trends in supply & demand of recovered paper (2017)**

( METRIC TON, % )

Year. Mon.	Total				Hard white shavings, white card				White woody shavings, white manila				Fine paper printed (incl. coated paper)				Kraft browns													
	Supply		Consumption A		Stock B	B/A (%)	Supply		Consumption A		Stock B	B/A (%)	Supply		Consumption A		Stock B	B/A (%)	Supply		Consumption A		Stock B	B/A (%)						
2015 total	17,039,996		16,984,077		734,566		66,149		64,370		8,068		51,462		51,162		6,825		1,847,677		1,851,549		91,317		47,673		47,366		6,554	
2016 total	16,976,664		17,031,430		679,800		65,119		65,274		7,913		50,997		51,717		6,105		1,825,904		1,817,539		99,682		45,882		47,156		5,280	
Ratio of the year before	99.6		100.3		92.5		98.4		101.4		98.1		99.1		101.1		89.5		98.8		98.2		109.2		96.2		99.6		80.6	
2016 Dec.	1,459,705	97.1	1,402,043	101.1	679,800	48.5	5,191	101.7	5,067	102.7	7,913	156.2	4,122	87.4	4,083	91.2	6,105	149.5	154,303	96.7	151,336	98.5	99,682	65.9	3,740	95.1	3,843	99.8	5,280	137.4
2017 Jan.	1,312,848	97.0	1,343,388	102.1	649,260	48.3	5,167	108.2	5,353	100.2	7,727	144.3	3,835	94.9	4,061	106.6	5,879	144.8	132,880	96.7	144,778	101.0	87,784	60.6	3,318	94.8	3,669	98.9	4,929	134.3
Feb.	1,253,723	95.0	1,364,012	100.8	538,971	39.5	5,562	100.9	5,425	99.4	7,864	145.0	3,926	108.1	4,542	109.7	5,263	115.9	140,298	94.0	147,136	99.4	80,946	55.0	3,651	96.8	3,883	101.9	4,697	121.0
Mar.	1,507,725	100.9	1,498,785	101.6	547,911	36.6	6,450	102.4	5,963	106.7	8,351	140.0	4,373	97.9	4,489	101.7	5,147	114.7	162,648	97.0	157,162	100.5	86,432	55.0	4,348	108.6	4,377	104.5	4,668	106.6
Apr.	1,449,456	100.2	1,431,099	100.2	566,268	39.6	5,358	96.0	5,130	95.2	8,579	167.2	4,010	94.9	4,172	101.1	4,985	119.5	150,755	96.7	144,309	95.6	92,878	64.4	3,790	94.6	4,157	118.1	4,301	103.5
May	1,447,252	104.9	1,382,725	100.7	630,795	45.6	5,384	99.5	5,617	104.0	8,346	148.6	4,638	120.9	4,106	98.6	5,517	134.4	146,467	100.4	147,540	99.8	91,805	62.2	3,863	101.5	3,813	95.4	4,351	114.1
Jun.	1,442,250	101.2	1,453,904	100.3	619,141	42.6	5,691	102.2	5,612	102.8	8,425	150.1	4,440	101.5	4,616	108.6	5,341	115.7	151,058	97.3	148,163	98.0	94,700	63.9	4,200	106.2	3,917	89.9	4,634	118.3
Jul.	1,410,845	102.4	1,439,236	99.0	590,750	41.0	5,177	94.9	5,359	94.4	8,243	153.8	3,909	89.2	3,981	92.6	5,269	132.4	134,355	93.7	136,970	93.0	92,085	67.2	3,908	101.6	4,001	97.9	4,541	113.5
Aug.	1,434,243	103.7	1,381,558	100.7	643,435	46.6	4,812	90.0	4,142	84.8	8,913	215.2	4,142	99.6	3,887	90.8	5,524	142.1	138,203	93.9	146,457	97.1	83,831	57.2	3,719	105.6	3,206	90.7	5,054	157.6
Sep.	1,468,135	102.8	1,441,846	98.5	669,724	46.4	6,126	116.9	6,370	112.9	8,669	136.1	4,677	101.0	4,876	102.5	5,325	109.2	147,899	96.2	150,797	95.6	80,933	53.7	3,909	105.6	3,753	101.3	5,210	138.8
Oct.	1,494,459	101.6	1,512,628	99.1	651,555	43.1	5,974	106.2	6,370	107.2	8,273	129.9	4,818	98.9	4,737	96.8	5,406	114.1	156,619	98.7	156,706	99.2	80,846	51.6	4,234	111.4	4,467	110.4	4,977	111.4
Nov.	1,491,312	103.8	1,461,354	103.0	681,513	46.6	5,699	111.6	6,155	113.5	7,817	127.0	4,212	99.1	4,680	103.9	4,938	105.5	154,241	98.2	148,921	96.2	86,166	57.9	4,017	95.0	4,254	97.6	4,740	111.4
Dec.	1,507,788	103.3	1,403,167	100.1	786,134	56.0	5,549	106.9	5,722	112.9	7,644	133.6	4,392	106.6	3,796	93.0	5,534	145.8	150,411	97.5	145,323	96.0	91,254	62.8	3,740	100.0	4,127	107.4	4,353	105.5
2017 total	17,220,036		17,113,702				66,949		67,218				51,372		51,943				1,765,834		1,774,262				46,697		47,624			
Ratio of the year before	101.4		100.5				102.8		103.0				100.7		100.4				96.7		97.6				101.8		101.0			

Year. Mon.	Quires woody paper printed				Old newspaper				Old magazines				Old corrugated containers				Box board cuttings													
	Supply		Consumption A		Stock B	B/A (%)	Supply		Consumption A		Stock B	B/A (%)	Supply		Consumption A		Stock B	B/A (%)	Supply		Consumption A		Stock B	B/A (%)						
2015 total	110,627		109,906		9,187		3,953,765		3,942,072		235,023		1,932,872		1,929,985		80,995		8,654,807		8,617,438		275,774		374,964		370,229		20,823	
2016 total	97,530		99,884		6,833		3,771,839		3,801,864		204,998		1,934,163		1,939,744		75,414		8,811,692		8,829,868		257,598		373,538		378,384		15,977	
Ratio of the year before	88.2		90.9		74.4		95.4		96.4		87.2		100.1		100.5		93.1		101.8		102.5		93.4		99.6		102.2		76.7	
2016 Dec.	7,901	87.5	7,398	98.0	6,833	92.4	311,059	89.4	323,087	99.3	204,998	63.4	164,179	99.4	147,573	94.2	75,414	51.1	777,557	100.3	728,380	103.9	257,598	35.4	31,653	97.5	31,276	104.4	15,977	51.1
2017 Jan.	6,801	98.8	7,681	92.4	5,953	77.5	304,492	91.9	316,063	99.8	193,427	61.2	153,122	97.1	145,323	99.3	83,213	57.3	675,661	99.4	689,701	104.7	243,558	35.3	27,572	98.9	26,759	91.5	16,790	62.7
Feb.	7,448	92.7	7,558	94.9	5,843	77.3	281,485	92.7	304,450	98.5	170,462	56.0	136,495	97.8	154,530	99.4	65,178	42.2	645,708	95.4	706,988	103.0	182,278	25.8	29,150	96.4	29,500	91.2	16,440	55.7
Mar.	8,422	90.7	8,394	99.1	5,871	69.9	319,126	95.8	329,584	100.4	160,004	48.5	177,493	98.7	169,598	96.9	73,073	43.1	792,920	104.8	787,286	103.7	187,912	23.9	31,945	97.5	31,932	93.9	16,453	51.5
Apr.	7,307	77.9	7,909	78.0	5,269	66.6	303,765	94.7	302,982	97.3	160,787	53.1	185,064	104.0	167,214	99.9	90,923	54.4	758,555	103.0	764,862	102.8	181,605	23.7	30,852	95.7	30,364	96.9	16,941	55.8
May	6,719	92.3	6,460	84.2	5,528	85.6	319,717	101.5	312,693	94.0	167,811	53.7	173,817	105.8	168,187	103.2	96,553	57.4	756,906	107.4	705,933	103.8	232,578	32.9	29,741	101.5	28,376	99.4	18,306	64.5
Jun.	8,131	97.9	8,036	91.9	5,623	70.0	315,261	99.3	305,817	94.2	177,255	58.0	167,402	101.2	180,143	105.7	83,812	46.5	755,710	103.2	764,396	102.2	223,892	29.3	30,357	93.4	33,204	102.7	15,459	46.6
Jul.	7,537	97.9	6,771	105.9	6,389	94.4	301,260	100.0	281,428	93.2	197,087	70.0	158,529	103.6	175,676	107.0	66,665	37.9	767,017	105.4	793,144	100.9	197,765	24.9	29,153	92.4	31,906	94.5	12,706	39.8
Aug.	7,328	94.2	7,640	85.2	6,077	79.5	297,857	98.9	310,192	95.3	184,752	59.6	164,983	107.9	160,373	107.7	71,275	44.4	785,223	107.3	721,774	103.2	261,214	36.2	27,976	96.8	23,887	91.5	16,795	70.3
Sep.	7,683	88.9	7,544	86.2	6,216	82.4	293,484	93.8	283,158	89.7	195,078	68.9	177,509	112.2	174,406	106.1	74,378	42.6	796,264	106.3	778,514	101.2	278,964	35.8	30,584	96.6	32,428	98.4	14,951	46.1
Oct.	7,868	94.0	7,372	82.5	6,712	91.0	288,661	90.9	295,432	90.7	188,307	63.7	182,215	111.2	182,562	104.4	74,031	40.6	810,883	104.5	822,102	101.3	267,745	32.6	33,187	100.6	32,880	99.0	15,258	46.4
Nov.	7,562	94.8	8,306	102.1	5,968	71.9	314,259	102.7	283,660	98.7	218,906	77.2	179,180	114.0	180,858	111.4	72,353	40.0	788,900	103.4	793,739	104.6	262,906	33.1	33,242	104.5	30,781	92.6	17,719	57.6
Dec.	7,897	99.9	7,097	95.9	6,768	95.4	319,225	102.6	294,022	91.0	244,109	83.0	189,556	115.5	174,770	118.4	87,139	49.9	794,557	102.2	738,443	101.4	319,020	43.2	32,461	102.6	29,867	95.5	20,313	68.0
2017 total	90,703		90,768				3,658,592		3,619,481				2,045,365		2,033,640				9,128,304		9,066,882				366,220		361,884			
Ratio of the year before	93.0		90.9				97.0		95.2				105.7		104.8				103.6</											

**Table 7 Trends in consumption of recovered paper for papermaking (2017)**

(METRIC TON, %)

Year, Mon.	Total			Hard white shavings, white card			White woody shavings, white manila			Fine paper printed (incl. coated paper)			Kraft paper		
	For paper	For paperboard	Total	For paper	For paperboard	Total	For paper	For paperboard	Total	For paper	For paperboard	Total	For paper	For paperboard	Total
2015 total	5,747,843	11,236,234	16,984,077	12,880	51,490	64,370	1,978	49,184	51,162	1,571,434	280,115	1,851,549	8,083	39,283	47,366
2016 total	5,530,661	11,500,769	17,031,430	12,480	52,794	65,274	1,862	49,855	51,717	1,531,809	285,730	1,817,539	8,471	38,685	47,156
Ratio of the before year	96.2	102.4	100.3	96.9	102.5	101.4	94.1	101.4	101.1	97.5	102.0	98.2	104.8	98.5	99.6
Proportion	32.5	67.5	100.0	19.1	80.9	100.0	3.6	96.4	100.0	84.3	15.7	100.0	18.0	82.0	100.0
2016 Dec.	465,723	936,320	1,402,043	1,038	4,029	5,067	126	3,957	4,083	130,161	21,175	151,336	655	3,188	3,843
2017 Jan.	452,462	890,926	1,343,388	1,144	4,209	5,353	178	3,883	4,061	122,987	21,791	144,778	645	3,024	3,669
Feb.	439,849	924,163	1,364,012	1,027	4,398	5,425	166	4,376	4,542	123,441	23,695	147,136	633	3,250	3,883
Mar.	474,497	1,024,288	1,498,785	1,219	4,744	5,963	135	4,354	4,489	131,812	25,350	157,162	734	3,643	4,377
Apr.	436,943	994,156	1,431,099	1,047	4,083	5,130	180	3,992	4,172	121,813	22,496	144,309	691	3,466	4,157
May	451,245	931,480	1,382,725	994	4,623	5,617	132	3,974	4,106	122,815	24,725	147,540	722	3,091	3,813
Jun.	445,079	1,008,825	1,453,904	852	4,760	5,612	208	4,408	4,616	123,163	25,000	148,163	652	3,265	3,917
Jul.	413,631	1,025,605	1,439,236	929	4,430	5,359	103	3,878	3,981	115,292	21,678	136,970	612	3,389	4,001
Aug.	452,369	929,189	1,381,558	888	3,254	4,142	116	3,771	3,887	124,473	21,984	146,457	676	2,530	3,206
Sep.	426,211	1,015,635	1,441,846	1,386	4,984	6,370	112	4,764	4,876	125,265	25,532	150,797	672	3,081	3,753
Oct.	442,490	1,070,138	1,512,628	1,411	4,959	6,370	111	4,626	4,737	130,449	26,257	156,706	689	3,778	4,467
Nov.	423,644	1,037,710	1,461,354	1,228	4,927	6,155	131	4,549	4,680	124,595	24,326	148,921	713	3,541	4,254
Dec.	437,637	965,530	1,403,167	1,721	4,001	5,722	102	3,694	3,796	124,142	21,181	145,323	666	3,461	4,127
2017 total	5,296,057	11,817,645	17,113,702	13,846	53,372	67,218	1,674	50,269	51,943	1,490,247	284,015	1,774,262	8,105	39,519	47,624
Ratio of the before year	95.8	102.8	100.5	110.9	101.1	103.8	89.9	100.8	100.4	97.3	99.4	97.6	95.7	102.2	101.0
Proportion	30.9	69.1	100.0	20.6	79.4	100.0	3.2	96.8	100.0	84.0	16.0	100.0	17.0	83.0	100.0

Year, Mon.	Quires woody paper printed			Old newspaper			Old magazines			Old corrugated containers			Box board cuttings		
	For paper	For paperboard	Total	For paper	For paperboard	Total	For paper	For paperboard	Total	For paper	For paperboard	Total	For paper	For paperboard	Total
2015 total	95,930	13,976	109,906	3,700,861	241,211	3,942,072	349,159	1,580,826	1,929,985	1,456	8,615,982	8,617,438	6,062	364,167	370,229
2016 total	85,302	14,582	99,884	3,549,966	251,898	3,801,864	333,448	1,606,296	1,939,744	1,872	8,827,996	8,829,868	5,451	372,933	378,384
Ratio of the before year	88.9	104.3	90.9	95.9	104.4	96.4	95.5	101.6	100.5	128.6	102.5	102.5	89.9	102.4	102.2
Proportion	85.4	14.6	100.0	93.4	6.6	100.0	17.2	82.8	100.0	0.0	100.0	100.0	1.4	98.6	100.0
2016 Dec.	6,327	1,071	7,398	302,888	20,199	323,087	24,008	123,565	147,573	169	728,211	728,380	351	30,925	31,276
2017 Jan.	6,568	1,113	7,681	296,946	19,117	316,063	23,443	121,880	145,323	181	689,520	689,701	370	26,389	26,759
Feb.	6,402	1,156	7,558	285,960	18,490	304,450	21,717	132,813	154,530	173	706,815	706,988	330	29,170	29,500
Mar.	7,095	1,299	8,394	308,648	20,936	329,584	24,234	145,364	169,598	173	787,113	787,286	447	31,485	31,932
Apr.	6,778	1,131	7,909	283,487	19,495	302,982	22,180	145,034	167,214	218	764,644	764,862	549	29,815	30,364
May	5,260	1,200	6,460	293,322	19,371	312,693	27,375	140,812	168,187	138	705,795	705,933	487	27,889	28,376
Jun.	6,503	1,533	8,036	284,180	21,637	305,817	29,126	151,017	180,143	174	764,222	764,396	221	32,983	33,204
Jul.	5,648	1,123	6,771	261,958	19,470	281,428	28,584	147,092	175,676	171	792,973	793,144	334	31,572	31,906
Aug.	6,577	1,063	7,640	290,905	19,287	310,192	28,103	132,270	160,373	191	721,583	721,774	440	23,447	23,887
Sep.	6,388	1,156	7,544	263,538	19,620	283,158	28,329	146,077	174,406	188	778,326	778,514	333	32,095	32,428
Oct.	6,150	1,222	7,372	274,382	21,050	295,432	28,698	153,864	182,562	172	821,930	822,102	428	32,452	32,880
Nov.	7,068	1,238	8,306	262,971	20,689	283,660	26,315	154,543	180,858	195	793,544	793,739	428	30,353	30,781
Dec.	5,936	1,161	7,097	275,363	18,659	294,022	29,254	145,516	174,770	142	738,301	738,443	311	29,556	29,867
2017 total	76,373	14,395	90,768	3,381,660	237,821	3,619,481	317,358	1,716,282	2,033,640	2,116	9,064,766	9,066,882	4,678	357,206	361,884
Ratio of the before year	89.5	98.7	90.9	95.3	94.4	95.2	95.2	106.8	104.8	113.0	102.7	102.7	85.8	95.8	95.6
Proportion	84.1	15.9	100.0	93.4	6.6	100.0	15.6	84.4	100.0	0.0	100.0	100.0	1.3	98.7	100.0

**Table 8 Trends in utilization rate & consumption of fiber stocks for paper and paperboard**

( METRIC TON,% )

Year	For Stocks	Total	Proportion			Ratio of the year before	Paper	Proportion			Ratio of the year before	Paperboard	Proportion			Ratio of the year before
2009	Wood pulp	9,855,407	100.0	36.8	83.7	9,059,086	91.9	57.7	83.3	796,321	8.1	7.2	88.6			
	Market Pulp(DIP)	123,158	100.0	0.5	92.9	110,294	89.6	0.7	93.7	12,864	10.4	0.1	86.8			
	Recovered paper	16,791,964	100.0	62.7	88.3	6,501,116	38.7	41.4	89.0	10,290,848	61.3	92.6	87.9			
	Other stocks	26,605	100.0	0.1	84.6	18,608	69.9	0.1	88.1	7,997	30.1	0.1	77.4			
	Total	26,797,134	100.0	100.0	86.6	15,689,104	58.5	100.0	85.6	11,108,030	41.5	100.0	88.0			
2010	Wood pulp	10,407,274	100.0	37.4	105.6	9,568,876	91.9	59.4	105.6	838,398	8.1	7.1	105.3			
	Market Pulp(DIP)	119,667	100.0	0.4	97.2	106,587	89.1	0.7	96.6	13,080	10.9	0.1	101.7			
	Recovered paper	17,292,214	100.0	62.1	103.0	6,412,367	37.1	39.8	98.6	10,879,847	62.9	92.7	105.7			
	Other stocks	31,079	100.0	0.1	116.8	22,680	73.0	0.1	121.9	8,399	27.0	0.1	105.0			
	Total	27,850,234	100.0	100.0	103.9	16,110,510	57.8	100.0	102.7	11,739,724	42.2	100.0	105.7			
2011	Wood pulp	10,007,844	100.0	36.9	96.2	9,163,177	91.6	60.3	95.8	844,667	8.4	7.1	100.7			
	Market Pulp(DIP)	118,160	100.0	0.4	98.7	106,223	89.9	0.7	99.7	11,937	10.1	0.1	91.3			
	Recovered paper	16,949,049	100.0	62.5	98.0	5,915,577	34.9	38.9	92.3	11,033,472	65.1	92.7	101.4			
	Other stocks	30,678	100.0	0.1	98.7	20,913	68.2	0.1	92.2	9,765	31.8	0.1	116.3			
	Total	27,105,731	100.0	100.0	97.3	15,205,890	56.1	100.0	94.4	11,899,841	43.9	100.0	101.4			
2012	Wood pulp	9,592,332	100.0	36.2	95.8	8,785,456	91.6	58.8	95.9	806,876	8.4	7.0	95.5			
	Market Pulp(DIP)	106,048	100.0	0.4	89.7	97,366	91.8	0.7	91.7	8,682	8.2	0.1	72.7			
	Recovered paper	16,770,075	100.0	63.3	98.9	6,036,751	36.0	40.4	102.0	10,733,324	64.0	92.9	97.3			
	Other stocks	32,713	100.0	0.1	106.6	22,985	70.3	0.2	109.9	9,728	29.7	0.1	99.6			
	Total	26,501,168	100.0	100.0	97.8	14,942,558	56.4	100.0	98.3	11,558,610	43.6	100.0	97.1			
2013	Wood pulp	9,593,050	100.0	36.0	100.0	8,817,850	91.9	58.9	100.4	775,200	8.1	6.6	96.1			
	Market Pulp(DIP)	103,750	100.0	0.4	97.8	96,599	93.1	0.6	99.2	7,151	6.9	0.1	82.4			
	Recovered paper	16,933,920	100.0	63.5	101.0	6,039,007	35.7	40.3	100.0	10,894,913	64.3	93.2	101.5			
	Other stocks	30,758	100.0	0.1	94.0	21,823	71.0	0.1	94.9	8,935	29.0	0.1	91.8			
	Total	26,661,478	100.0	100.0	100.6	14,975,279	56.2	100.0	100.2	11,686,199	43.8	100.0	101.1			
2014	Wood pulp	9,694,802	100.0	36.0	101.1	8,890,906	91.7	59.5	100.8	803,896	8.3	6.7	103.7			
	Market Pulp(DIP)	100,324	100.0	0.4	96.7	94,716	94.4	0.6	98.1	5,608	5.6	0.0	78.4			
	Recovered paper	17,091,464	100.0	63.5	100.9	5,930,345	34.7	39.7	98.2	11,161,119	65.3	93.2	102.4			
	Other stocks	31,500	100.0	0.1	102.4	22,668	72.0	0.2	103.9	8,832	28.0	0.1	98.8			
	Total	26,918,090	100.0	100.0	101.0	14,938,635	55.5	100.0	99.8	11,979,455	44.5	100.0	102.5			
2015	Wood pulp	9,466,078	100.0	35.6	97.6	8,694,768	91.9	59.7	97.8	771,310	8.1	6.4	95.9			
	Market Pulp(DIP)	107,700	100.0	0.4	107.4	101,865	94.6	0.7	107.5	5,835	5.4	0.0	104.0			
	Recovered paper	16,984,077	100.0	63.9	99.4	5,747,843	33.8	39.5	96.9	11,236,234	66.2	93.5	100.7			
	Other stocks	31,270	100.0	0.1	99.3	22,783	72.9	0.2	100.5	8,487	27.1	0.1	96.1			
	Total	26,589,125	100.0	100.0	98.8	14,567,259	54.8	100.0	97.5	12,021,866	45.2	100.0	100.4			
2016	Wood pulp	9,520,888	100.0	35.6	100.6	8,764,419	92.1	60.7	100.8	756,469	7.9	6.2	98.1			
	Market Pulp(DIP)	128,316	100.0	0.5	119.1	122,812	95.7	0.9	120.6	5,504	4.3	0.0	94.3			
	Recovered paper	17,031,430	100.0	63.8	100.3	5,530,661	32.5	38.3	96.2	11,500,769	67.5	93.7	102.4			
	Other stocks	30,999	100.0	0.1	99.1	22,631	73.0	0.2	99.3	8,368	27.0	0.1	98.6			
	Total	26,711,633	100.0	100.0	100.5	14,440,523	54.1	100.0	99.1	12,271,110	45.9	100.0	102.1			
2017	Wood pulp	9,601,430	100.0	35.7	100.8	8,828,381	91.9	61.9	100.7	773,049	8.1	6.1	102.2			
	Market Pulp(DIP)	112,662	100.0	0.4	87.8	106,544	94.6	0.7	86.8	6,118	5.4	0.0	111.2			
	Recovered paper	17,113,702	100.0	63.7	100.5	5,296,057	30.9	37.2	95.8	11,817,645	69.1	93.8	102.8			
	Other stocks	30,935	100.0	0.1	99.8	22,821	73.8	0.2	100.8	8,114	26.2	0.1	97.0			
	Total	26,858,729	100.0	100.0	100.6	14,253,803	53.1	100.0	98.7	12,604,926	46.9	100.0	102.7			

**Table 9 Trends in production of paper & paperboard**

(METRIC TON, %)

Year \ Grades	2012		2013		2014		2015		2016		2017	
	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before
Newsprint	3,253,556	101.3	3,218,530	98.9	3,133,715	97.4	2,984,681	95.2	2,905,765	97.4	2,778,726	95.6
Printing and communication paper	8,419,795	96.1	8,576,456	101.9	8,491,333	99.0	8,384,386	98.7	8,308,816	99.1	8,242,475	99.2
Wrapping paper	871,372	96.8	879,771	101.0	905,397	102.9	891,164	98.4	877,241	98.4	896,348	102.2
Sanitary paper	1,766,850	99.3	1,746,965	98.9	1,767,104	101.2	1,765,656	99.9	1,807,252	102.4	1,785,519	98.8
Miscellaneous paper	755,592	95.7	759,727	100.5	820,829	108.0	803,843	97.9	806,591	100.3	877,449	108.8
<b>Paper total</b>	<b>15,067,165</b>	<b>97.5</b>	<b>15,181,449</b>	<b>100.8</b>	<b>15,118,378</b>	<b>99.6</b>	<b>14,829,730</b>	<b>98.1</b>	<b>14,705,665</b>	<b>99.2</b>	<b>14,580,517</b>	<b>99.1</b>
Liner and corrugating medium	8,637,378	98.0	8,805,424	101.9	9,095,665	103.3	9,186,608	101.0	9,363,547	101.9	9,681,555	103.4
White paperboard	1,470,276	95.3	1,449,215	98.6	1,444,780	99.7	1,423,975	98.6	1,435,433	100.8	1,455,131	101.4
Patent coated paperboard	144,032	93.4	147,550	102.4	148,169	100.4	145,956	98.5	140,877	96.5	142,177	100.9
Building board	206,379	102.1	213,622	103.5	214,246	100.3	202,582	94.6	198,436	98.0	205,623	103.6
Other paperboard	431,662	95.1	443,352	102.7	457,282	103.1	439,215	96.0	430,979	98.1	446,875	103.7
<b>Paperboard total</b>	<b>10,889,727</b>	<b>97.5</b>	<b>11,059,163</b>	<b>101.6</b>	<b>11,360,142</b>	<b>102.7</b>	<b>11,398,336</b>	<b>100.3</b>	<b>11,569,272</b>	<b>101.5</b>	<b>11,931,361</b>	<b>103.1</b>
<b>Total</b>	<b>25,956,892</b>	<b>97.5</b>	<b>26,240,612</b>	<b>101.1</b>	<b>26,478,520</b>	<b>100.9</b>	<b>26,228,066</b>	<b>99.1</b>	<b>26,274,937</b>	<b>100.2</b>	<b>26,511,878</b>	<b>100.9</b>

Year \ Grades	2012		2013		2014		2015		2016		2017	
	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before
Business form paper	253,657	96.6	242,496	95.6	250,686	103.4	232,366	92.7	235,197	101.2	235,223	100.0
Plain paper copier	786,084	98.1	753,359	95.8	808,168	107.3	815,602	100.9	830,990	101.9	813,675	97.9
<b>Total</b>	<b>1,039,741</b>	<b>97.7</b>	<b>995,855</b>	<b>95.8</b>	<b>1,058,854</b>	<b>106.3</b>	<b>1,047,968</b>	<b>99.0</b>	<b>1,066,187</b>	<b>101.7</b>	<b>1,048,898</b>	<b>98.4</b>

**Table 10 Trends in shipment of paper & paperboard**

(METRIC TON, %)

Year \ Grades	2012		2013		2014		2015		2016		2017	
	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before
Newsprint	3,264,154	102.2	3,208,210	98.3	3,141,770	97.9	2,995,229	95.3	2,910,042	97.2	2,777,489	95.4
Printing and communication paper	8,310,527	94.9	8,711,507	104.8	8,442,618	96.9	8,355,355	99.0	8,311,762	99.5	8,177,573	98.4
Wrapping paper	857,710	95.9	880,756	102.7	911,248	103.5	875,300	96.1	887,803	101.4	891,265	100.4
Sanitary paper	1,769,201	99.4	1,752,385	99.0	1,765,434	100.7	1,767,307	100.1	1,806,617	102.2	1,789,920	99.1
Miscellaneous paper	755,357	96.6	759,073	100.5	814,033	107.2	803,322	98.7	809,829	100.8	879,656	108.6
<b>Paper total</b>	<b>14,956,949</b>	<b>97.1</b>	<b>15,311,931</b>	<b>102.4</b>	<b>15,075,103</b>	<b>98.5</b>	<b>14,796,513</b>	<b>98.2</b>	<b>14,726,053</b>	<b>99.5</b>	<b>14,515,903</b>	<b>98.6</b>
Liner and corrugating medium	8,617,099	98.3	8,855,807	102.8	9,049,695	102.2	9,124,805	100.8	9,364,160	102.6	9,711,353	103.7
White paperboard	1,462,569	95.4	1,450,435	99.2	1,445,662	99.7	1,416,472	98.0	1,435,740	101.4	1,458,075	101.6
Patent coated paperboard	142,770	91.9	145,061	101.6	146,097	100.7	144,672	99.0	143,194	99.0	143,126	100.0
Building board	206,837	101.4	213,086	103.0	213,065	100.0	200,551	94.1	200,010	99.7	205,226	102.6
Other paperboard	431,455	94.8	445,262	103.2	451,070	101.3	436,826	96.8	432,771	99.1	445,503	102.9
<b>Paperboard total</b>	<b>10,860,730</b>	<b>97.7</b>	<b>11,109,651</b>	<b>102.3</b>	<b>11,305,589</b>	<b>101.8</b>	<b>11,323,326</b>	<b>100.2</b>	<b>11,575,875</b>	<b>102.2</b>	<b>11,963,283</b>	<b>103.3</b>
<b>Total</b>	<b>25,817,679</b>	<b>97.4</b>	<b>26,421,582</b>	<b>102.3</b>	<b>26,380,692</b>	<b>99.8</b>	<b>26,119,839</b>	<b>99.0</b>	<b>26,301,928</b>	<b>100.7</b>	<b>26,479,186</b>	<b>100.7</b>

Year \ Grades	2012		2013		2014		2015		2016		2017	
	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before
Business form paper	248,885	94.8	246,805	99.2	246,930	100.1	230,257	93.2	237,326	103.1	231,394	97.5
Plain paper copier	769,439	95.2	766,362	99.6	807,285	105.3	805,500	99.8	823,844	102.3	809,505	98.3
<b>Total</b>	<b>1,018,324</b>	<b>95.1</b>	<b>1,013,167</b>	<b>99.5</b>	<b>1,054,215</b>	<b>104.1</b>	<b>1,035,757</b>	<b>98.2</b>	<b>1,061,170</b>	<b>102.5</b>	<b>1,040,899</b>	<b>98.1</b>

**Table 11 Consumption rate index per ton of fiber for paper production**

( METRIC TON, % )

Year	Item For	Consumption of	Paper & Paperboard	Consumotion
		fiber stock (A)	production (B)	rate index (A)/(B)
2005	Paper	18,163,689 (101.2)	18,901,072 (100.6)	0.9610
	Paperboard	12,893,043 ( 99.1)	12,051,254 ( 99.6)	1.0699
	Total	31,056,732 (100.3)	30,952,326 (100.2)	1.0034
2006	Paper	18,337,089 (101.0)	19,065,678 (100.9)	0.9618
	Paperboard	12,887,922 (100.0)	12,041,940 ( 99.9)	1.0703
	Total	31,225,011 (100.5)	31,107,618 (100.5)	1.0038
2007	Paper	18,744,092 (102.2)	19,192,208 (100.7)	0.9767
	Paperboard	12,906,761 (100.1)	12,073,546 (100.3)	1.0690
	Total	31,650,853 (101.4)	31,265,754 (100.5)	1.0123
2008	Paper	18,324,610 ( 97.8)	18,827,707 ( 98.1)	0.9733
	Paperboard	12,629,827 ( 97.9)	11,799,748 ( 97.7)	1.0703
	Total	30,954,437 ( 97.8)	30,627,455 ( 98.0)	1.0107
2009	Paper	15,689,104 ( 85.6)	15,831,919 ( 84.1)	0.9910
	Paperboard	11,108,030 ( 88.0)	10,436,033 ( 88.4)	1.0644
	Total	26,797,134 ( 86.6)	26,267,952 ( 85.8)	1.0201
2010	Paper	16,110,510 (102.7)	16,386,761 (103.5)	0.9831
	Paperboard	11,739,724 (105.7)	10,976,567 (105.2)	1.0695
	Total	27,850,234 (103.9)	27,363,328 (104.2)	1.0178
2011	Paper	15,205,890 ( 94.4)	15,446,015 ( 94.3)	0.9845
	Paperboard	11,899,841 (101.4)	11,163,271 (101.7)	1.0660
	Total	27,105,731 ( 97.3)	26,609,286 ( 97.2)	1.0187
2012	Paper	14,942,558 ( 98.3)	15,067,165 ( 97.5)	0.9917
	Paperboard	11,558,610 ( 97.1)	10,889,727 ( 97.5)	1.0614
	Total	26,501,168 ( 97.8)	25,956,892 ( 97.5)	1.0210
2013	Paper	14,975,279 (100.2)	15,181,449 (100.8)	0.9864
	Paperboard	11,686,199 (101.1)	11,059,163 (101.6)	1.0567
	Total	26,661,478 (100.6)	26,240,612 (101.1)	1.0160
2014	Paper	14,938,635 ( 99.8)	15,118,378 ( 99.6)	0.9881
	Paperboard	11,979,455 (102.5)	11,360,142 (102.7)	1.0545
	Total	26,918,090 (101.0)	26,478,520 (100.9)	1.0166
2015	Paper	14,567,259 ( 97.5)	14,829,730 ( 98.1)	0.9823
	Paperboard	12,021,866 (100.4)	11,398,336 (100.3)	1.0547
	Total	26,589,125 ( 98.8)	26,228,066 ( 99.1)	1.0138
2016	Paper	14,440,523 ( 99.1)	14,705,665 ( 99.2)	0.9820
	Paperboard	12,271,110 (102.1)	11,569,272 (101.5)	1.0607
	Total	26,711,633 (100.5)	26,274,937 (100.2)	1.0166
2017	Paper	14,253,803 ( 98.7)	14,580,517 ( 99.1)	0.9776
	Paperboard	12,604,926 (102.7)	11,931,361 (103.1)	1.0565
	Total	26,858,729 (100.6)	26,511,878 (100.9)	1.0131

Note : ( ) : Ratio of the year before

# Table 12 Exports of recovered paper classified by countries (2017)

Export No.1 (METRIC TON, FOB 1,000yen, %)

Grades		Unbleached Kraft paper or paperboard of corrugated paper or paperboard																							
Countries		China		Taiwan		Thailand		Vietnam		Korea		Malaysia		Indonesia		India		Philippines		Ghana		Hong Kong		Total	
Year, Mon.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	
2016 total	1,088,573	20,401,890	222,592	4,064,791	244,148	4,475,106	207,658	3,682,709	9,526	188,432	22,221	407,228	1,551	35,335	1,136	16,511							1,797,405	33,272,002	
Ratio of the year before	95.1	85.9	106.3	97.1	84.7	74.0	95.1	81.9	58.3	59.0	233.6	198.8	24.4	26.5	72.8	60.4							94.9	84.9	
Proportion	26.3	25.6	5.4	5.1	5.9	5.6	5.0	4.6	0.2	0.2	0.5	0.5	0.0	0.0	0.0	0.0							43.4	41.7	
2017 Jan.	93,853	2,312,569	32,216	774,321	15,549	373,777	11,614	280,105	854	16,275	1,811	41,816			111	1,747	123	3,757					156,131	3,804,367	
Feb.	101,674	2,530,886	23,466	580,151	14,461	361,028	8,741	213,984	2,037	49,473	1,356	31,483											151,735	3,767,005	
Mar.	107,603	2,873,432	24,097	625,764	10,875	293,056	10,370	280,491	2,959	76,319	1,407	34,371			147	2,282							157,458	4,185,715	
Apr.	65,730	1,541,632	25,686	636,021	15,243	382,314	19,364	504,001	5,111	115,961	587	11,961	297	7,901	64	1,090							132,082	3,200,881	
May	70,769	1,648,398	21,572	491,459	16,108	373,441	25,729	632,428	3,424	72,321	2,124	44,173			89	1,369	270	8,810					140,085	3,272,399	
Jun.	89,435	2,345,684	27,866	707,947	13,719	344,543	14,354	349,779	1,883	43,384	1,204	28,820			221	3,138					15	476	148,697	3,823,771	
Jul.	109,775	3,113,339	23,668	637,084	10,885	300,915	2,913	77,461	916	22,777	1,113	28,918	516	14,331	68	1,193							149,854	4,196,018	
Aug.	88,058	2,378,448	22,813	651,050	12,742	353,538	1,176	32,038	3,306	89,898	947	24,853			89	1,431							129,131	3,531,256	
Sep.	36,817	965,433	30,995	766,250	26,825	668,463	6,510	162,925	5,632	142,791	1,110	24,027			224	3,710							108,113	2,733,599	
Oct.	17,623	466,893	26,667	574,255	31,271	704,796	16,698	362,827	5,559	111,906	1,760	34,012	1,786	41,088	115	1,873			50	2,059			101,529	2,299,709	
Nov.	29,367	697,809	40,891	871,586	26,666	551,225	27,582	583,129	3,028	61,868	2,338	46,471	2,250	50,107	113	2,277			48	1,963			132,283	2,866,435	
Dec.	61,193	1,216,760	44,067	1,017,042	16,160	363,221	15,957	340,011	1,723	35,882	2,292	49,058			165	2,554			45	1,796			144,029	3,078,808	
2017 total	871,897	22,091,283	344,004	8,332,930	210,504	5,070,317	161,008	3,819,179	36,432	838,855	18,049	399,963	7,276	165,911	1,406	22,664	393	12,567	143	5,818	15	476	1,651,127	40,759,963	
Ratio of the year before	80.1	108.3	154.5	205.0	86.2	113.3	77.5	103.7	382.4	445.2	81.2	98.2	469.1	469.5	123.8	137.3	-	-	-	-	-	-	91.9	122.5	
Proportion	23.4	24.7	9.2	9.3	5.6	5.7	4.3	4.3	1.0	0.9	0.5	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.2	45.5	

Grades		Other paper or paperboard made mainly of bleached chemical pulp, not colored in the mass																								
Countries		China		Taiwan		Vietnam		Korea		Indonesia		Thailand		India		Bangladesh		Pakistan		Ghana		Myanmar		Total		
Year, Mon.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.		
2016 total	68,711	1,492,237	2,042	44,687	15,054	338,647	14,258	349,633	3,284	85,973	139	5,601	695	19,988	82	2,856								106,329	2,396,111	
Ratio of the year before	121.2	103.6	264.2	212.4	114.3	101.5	95.0	83.1	403.9	329.9	12.9	18.0	112.5	98.7	-	-								119.3	102.9	
Proportion	1.7	1.9	0.0	0.1	0.4	0.4	0.3	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0							2.6	3.0		
2017 Jan.	6,574	171,301	310	7,396	590	14,722	687	19,459					41	1,279										8,202	214,157	
Feb.	6,080	167,209	764	18,712	763	18,207	1,545	40,597			95	4,111	61	1,869										9,308	250,705	
Mar.	7,568	209,356	90	2,548	1,477	36,124	1,021	28,479	220	6,804	41	1,139	118	4,055										10,535	288,505	
Apr.	7,827	215,623	2,095	48,352	2,101	48,731	637	18,832	424	13,049	403	11,552	100	3,004										13,587	359,143	
May	2,378	63,924	1,610	37,756	1,773	44,864	975	26,133	674	20,704	436	11,351											21	1,056	7,867	205,788
Jun.	2,213	55,975	1,640	36,774	2,206	52,569	622	16,825	679	21,079			58	1,757										7,418	184,979	
Jul.	3,858	96,055	1,213	27,852	1,090	25,698	1,263	33,436	2,239	70,020					41	1,557								9,704	254,618	
Aug.	3,272	85,092	787	18,929	1,561	38,815	792	22,155	1,563	48,274			95	2,816										8,070	216,081	
Sep.	2,991	69,089	1,840	42,042	890	21,173	1,203	31,520	1,593	48,309			78	2,193	21	755								8,616	215,081	
Oct.	2,701	60,113	2,269	57,807	1,116	30,810	1,345	36,186	1,649	51,314	20	885												9,100	237,115	
Nov.	2,700	58,994	1,761	41,950	948	23,158	645	17,316	1,213	37,404					43	1,630	52	2,608	48	2,363				7,410	185,423	
Dec.	2,177	48,608	1,929	41,502	1,102	29,251	1,449	38,617	1,531	48,231	85	1,983	139	3,922			26	1,160	24	1,314				8,462	214,588	
2017 total	50,339	1,301,339	16,308	381,620	15,617	384,122	12,184	329,555	11,785	365,188	1,080	31,021	690	20,895	105	3,942	78	3,768	72	3,677	21	1,056	108,279	2,826,183		
Ratio of the year before	73.3	87.2	798.6	854.0	103.7	113.4	85.5	94.3	358.9	424.8	777.0	553.8	99.3	104.5	128.0	138.0	-	-	-	-	-	-	101.8	117.9		
Proportion	1.3	1.5	0.4	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	3.2		

Note : As to the import data by grade in 2016, it contains data of the other countries.

## Export No.2

(METRIC TON, FOB 1,000yen, %)

Grades		Old newspaper															
Countries	China		Korea		Thailand		Indonesia		Vietnam		Taiwan		Philippines		Total		
Year, Mon.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	
2016 total	209,384	4,448,711	88,158	1,823,874	37,509	858,841	23,974	517,170	4,382	96,367	896	16,149	558	18,950	365,052	7,784,939	
Ratio of the year before	111.9	101.8	68.4	63.2	182.1	165.3	89.9	81.1	21.2	19.4	—	—	74.3	74.0	94.9	87.1	
Proportion	5.1	5.6	2.1	2.3	0.9	1.1	0.6	0.6	0.1	0.1	0.0	0.0	0.0	0.0	8.8	9.8	
2017 Jan.	17,391	435,153	10,156	248,371	4,051	105,748	4,266	112,369	1,375	35,932					37,239	937,573	
Feb.	16,253	395,282	7,260	173,774	5,334	133,305	2,520	59,923	827	18,739					32,194	781,023	
Mar.	15,022	379,517	5,245	130,594	5,542	143,570	2,168	56,125	802	17,992					28,779	727,798	
Apr.	12,073	299,707	4,715	113,926	5,275	143,749	2,071	52,036	1,243	30,483					25,377	639,901	
May	18,984	456,380	2,611	60,698	2,656	73,979	2,619	66,769			236	4,440			27,106	662,266	
Jun.	15,346	396,869	1,873	46,561	2,690	77,586	1,519	39,216			98	2,301	28	954	21,554	563,487	
Jul.	11,319	304,693	4,227	112,917	2,682	82,664	1,310	35,824					14	487	19,552	536,585	
Aug.	11,734	330,408	4,731	130,213	2,262	69,707	1,163	32,049							19,890	562,377	
Sep.	6,148	169,126	3,349	89,337	1,916	58,243	861	23,461	229	6,800			107	3,565	12,610	350,532	
Oct.	5,296	151,094	3,263	87,271	2,486	79,914	2,042	55,830	118	3,661			94	3,114	13,299	380,884	
Nov.	9,648	272,814	1,665	47,332	2,598	84,697	687	17,382	172	5,377			100	3,236	14,870	430,838	
Dec.	5,756	161,239	2,096	51,798	2,907	92,980	2,479	61,571			508	12,771	106	3,525	13,852	383,884	
2017 total	144,970	3,752,282	51,191	1,292,792	40,399	1,146,142	23,705	612,555	4,766	118,984	842	19,512	449	14,881	266,322	6,957,148	
Ratio of the year before	69.2	84.3	58.1	70.9	107.7	133.5	98.9	118.4	108.8	123.5	94.0	120.8	80.5	78.5	73.0	89.4	
Proportion	3.9	4.2	1.4	1.4	1.1	1.3	0.6	0.7	0.1	0.1	0.0	0.0	0.0	0.0	7.1	7.8	

Grades		Other paper or paperboard made mainly of bleached mechanical pulp																									
Countries	China		Korea		Indonesia		Taiwan		Vietnam		Thailand		Malaysia		Singapore		Schwiiz		India		Ghana		Total				
Year, Mon.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.			
2016 total	782,721	15,052,939	121,542	2,246,199	63,856	1,253,979	3,225	61,951	4,179	93,394	3,167	63,749	24	484											979,066	18,780,408	
Ratio of the year before	88.2	81.0	98.8	92.5	158.5	147.1	153.7	138.9	94.4	88.2	41.4	34.3	—	—											91.8	84.5	
Proportion	18.9	18.9	2.9	2.8	1.5	1.6	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0										23.7	23.5		
2017 Jan.	74,795	1,880,218	10,205	229,840	2,533	61,997	170	4,205	80	2,071	331	8,427			758	19,037									88,872	2,205,795	
Feb.	74,055	1,868,654	5,232	121,934	673	16,373			199	4,894	75	1,483													80,234	2,013,338	
Mar.	90,901	2,488,251	3,127	83,220					660	18,860	24	404													94,712	2,590,735	
Apr.	77,280	1,879,565	4,113	82,055	3,438	77,336	1,952	39,633	736	16,950	41	642													87,560	2,096,181	
May	69,246	1,386,432	5,525	109,106	5,030	104,406	2,553	47,863	353	8,185															82,707	1,655,992	
Jun.	67,758	1,470,710	10,800	223,962	2,648	56,401	3,110	64,044	244	6,320	264	4,717													84,824	1,826,154	
Jul.	58,931	1,357,709	8,402	190,631	3,643	85,018	2,199	46,175	695	17,856	488	11,674													74,358	1,709,063	
Aug.	47,457	1,064,389	15,427	351,152	5,093	123,250	744	15,766	951	24,458					524	12,232									70,196	1,591,247	
Sep.	30,233	679,511	10,996	231,749	4,414	101,725	620	12,825	640	15,938	1,025	19,040	290	6,052					52	709					48,270	1,067,549	
Oct.	27,075	551,650	14,531	273,320	9,661	210,077	994	18,946	469	10,763	635	11,223													53,365	1,075,979	
Nov.	25,277	507,753	9,976	179,210	7,647	153,111	341	5,939	580	14,169	1,441	24,046	612	12,005											45,874	896,233	
Dec.	22,347	395,117	13,595	261,074	10,767	210,391	3,813	71,189	1,992	47,904	916	14,260	930	19,578										47	1,071	54,407	1,020,584
2017 total	665,355	15,529,959	111,929	2,337,253	55,547	1,200,085	16,496	326,585	7,599	188,368	5,240	95,916	1,832	37,635	758	19,037	524	12,232	52	709	47	1,071			865,379	19,748,850	
Ratio of the year before	85.0	103.2	92.1	104.1	87.0	95.7	511.5	527.2	181.8	201.7	165.5	150.5	7,633.3	7,775.8	—	—	—	—	—	—	—	—	—	—	88.4	105.2	
Proportion	17.8	17.3	3.0	2.6	1.5	1.3	0.4	0.4	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.2	22.0	

Note : As to the import data by grade in 2016, it contains data of the other countries.



Grades	Other, including unsorted waste and scrap																														
	China		Korea		Vietnam		Thailand		Taiwan		Indonesia		Pakistan		India		Myanmar		Malaysia		Iran		UAE		Total						
Countries	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.					
2016 total	766,922	15,055,754	67,791	1,357,488	30,612	685,064	9,707	215,068	5,175	45,766	9,370	178,830			220	3,176	47	2,073	72	2,295					890,092	17,551,524					
Ratio of the year before	110.1	102.2	107.2	94.8	86.0	73.9	54.3	48.7	141.4	151.9	111.8	81.5			77.5	56.4	—	—	—	—					107.7	98.4					
Proportion	18.5	18.9	1.6	1.7	0.7	0.9	0.2	0.3	0.1	0.1	0.2	0.2			0.0	0.0	0.0	0.0	0.0	0.0					21.5	22.0					
2017 Jan.	72,612	1,765,495	5,222	124,445	603	14,866	722	20,019	674	11,425	41	1,252														79,874	1,937,502				
Feb.	70,572	1,716,809	3,527	87,715	1,829	50,789	577	15,510	426	3,266	86	2,491			43	786											77,060	1,877,366			
Mar.	79,063	2,047,411	4,579	121,721	2,803	79,166	1,297	39,448	573	3,924											95	1,498					88,410	2,293,168			
Apr.	88,767	1,994,168	2,991	67,404	3,312	92,338	1,174	32,643	372	2,570					51	769	66	2,826										96,733	2,192,718		
May	78,156	1,613,586	4,333	92,722	4,414	117,168	1,324	37,756	1,075	17,386			104	5,052									8	326				89,414	1,883,996		
Jun.	76,369	1,706,531	6,301	142,377	4,301	114,571	1,333	36,999	1,134	16,272	124	3,861			44	789												89,606	2,021,400		
Jul.	60,622	1,427,483	6,339	152,119	3,894	105,706	1,011	29,522	620	10,053	610	14,778																73,096	1,739,661		
Aug.	54,149	1,184,652	7,910	192,976	3,008	78,337	916	26,877	138	954	612	14,159	157	7,344	260	3,712	36	1,703											67,186	1,510,714	
Sep.	41,085	908,487	9,751	209,681	3,385	85,375	1,182	34,426	344	6,140	741	16,113	76	3,580			25	1,155											56,615	1,265,233	
Oct.	29,305	641,150	6,640	144,976	2,960	72,290	1,226	32,808	257	2,756	956	18,725	25	1,191									26	276					41,369	913,896	
Nov.	25,871	527,775	7,026	138,135	1,904	47,611	920	23,625	516	9,699	473	9,371	104	4,914	24	321														36,956	763,230
Dec.	31,108	561,654	8,597	177,195	2,775	69,720	944	23,456	2,674	47,784	414	8,660	26	1,160																46,538	889,629
2017 total	707,679	16,095,201	73,216	1,651,466	35,188	927,937	12,626	353,089	8,803	132,229	4,057	89,410	492	23,241	422	6,377	127	5,684	126	2,105	95	1,498	26	276			842,857	19,288,513			
Ratio of the year before	92.3	106.9	108.0	121.7	114.9	135.5	130.1	164.2	170.1	288.9	43.3	50.0	—	—	191.8	200.8	270.2	274.2	175.0	91.7	—	—	—	—			94.7	109.9			
Proportion	19.0	18.0	2.0	1.8	0.9	1.0	0.3	0.4	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.6	21.5			

Note : As to the import data by grade in 2016, it contains data of the other countries.

Countries	Total by country																		Total	
	China		Taiwan		Korea		Thailand		Vietnam		Indonesia		Malaysia		India		Other		Qty.	Val.
Year, Mon.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.
2016 total	2,916,311	56,451,531	233,930	4,233,344	301,275	5,965,626	294,670	5,618,365	261,885	4,896,181	102,035	2,071,287	22,317	410,007	2,051	39,675	3,470	98,968	4,137,944	79,784,984
Ratio of the year before	98.2	89.8	108.4	98.9	87.0	79.7	87.9	77.7	89.6	77.0	123.7	110.8	217.2	185.8	81.8	73.3	78.2	74.1	97.1	88.2
Proportion	70.5	70.8	5.7	5.3	7.3	7.5	7.1	7.0	6.3	6.1	2.5	2.6	0.5	0.5	0.0	0.0	0.1	0.1	100.0	100.0
2017 Jan.	265,225	6,564,736	33,370	797,347	27,124	638,390	20,653	507,971	14,262	347,696	6,840	175,618	1,811	41,816	152	3,026	881	22,794	370,318	9,099,394
Feb.	268,634	6,678,840	24,656	602,129	19,601	473,493	20,542	515,437	12,359	306,613	3,279	78,787	1,356	31,483	104	2,655			350,531	8,689,437
Mar.	300,157	7,997,967	24,760	632,236	16,931	440,333	17,779	477,617	16,112	432,633	2,388	62,929	1,407	34,371	265	6,337	95	1,498	379,894	10,085,921
Apr.	251,677	5,930,695	30,105	726,576	17,567	398,178	22,136	570,900	26,756	692,503	6,230	150,322	587	11,961	215	4,863	66	2,826	355,339	8,488,824
May	239,533	5,168,720	27,046	598,904	16,868	360,980	20,524	496,527	32,269	802,645	8,323	191,879	2,132	44,499	89	1,369	395	14,918	347,179	7,680,441
Jun.	251,121	5,975,769	33,848	827,338	21,479	473,109	18,006	463,845	21,105	523,239	4,970	120,557	1,204	28,820	323	5,684	43	1,430	352,099	8,419,791
Jul.	244,505	6,299,279	27,700	721,164	21,147	511,880	15,066	424,775	8,592	226,721	8,318	219,971	1,113	28,918	68	1,193	55	2,044	326,564	8,435,945
Aug.	204,670	5,042,989	24,482	686,699	32,166	786,394	15,920	450,122	6,696	173,648	8,431	217,732	947	24,853	444	7,959	717	21,279	294,473	7,411,675
Sep.	117,274	2,791,646	33,799	827,257	30,931	705,078	30,948	780,172	11,654	292,211	7,609	189,608	1,400	30,079	354	6,612	255	9,331	234,224	5,631,994
Oct.	82,000	1,870,900	30,187	653,764	31,338	653,659	35,638	829,626	21,361	480,351	16,094	377,034	1,760	34,012	115	1,873	169	6,364	218,662	4,907,583
Nov.	92,863	2,065,145	43,509	929,174	22,340	443,861	31,625	683,593	31,186	673,444	12,270	267,375	3,068	60,255	137	2,598	395	16,714	237,393	5,142,159
Dec.	122,581	2,383,378	52,991	1,190,288	27,460	564,566	21,012	495,900	21,826	486,886	17,618	381,337	3,222	68,636	304	6,476	274	10,026	267,288	5,587,493
2017 total	2,440,240	58,770,064	386,453	9,192,876	284,952	6,449,921	269,849	6,696,485	224,178	5,438,590	102,370	2,433,149	20,007	439,703	2,570	50,645	3,345	109,224	3,733,964	89,580,657
Ratio of the year before	83.7	104.1	165.2	217.2	94.6	108.1	91.6	119.2	85.6	111.1	100.3	117.5	89.6	107.2	125.3	127.6	96.4	110.4	90.2	112.3
Proportion	65.4	65.6	10.3	10.3	7.6	7.2	7.2	7.5	6.0	6.1	2.7	2.7	0.5	0.5	0.1	0.1	0.1	0.1	100.0	100.0

**Table 13 Imports of recovered paper classified by countries (2017)**

Import No.1

( METRIC TON, CIF 1,000yen, % )

Grades	Old corrugated containers										Unbleached kraft paper and paperboard					
	USA		Philippines		Netherland		Chile		Total		USA		Canada		Total	
Countries	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.
2016 total	11,195	328,139	295	7,031	97	2,776			11,653	339,816	252	14,003	387	5,062	639	19,065
Ratio of the year before	106.1	99.1	—	—	—	—			109.4	101.6	105.4	85.6	94.2	89.5	98.3	86.6
Proportion	25.8	18.5							26.8	19.1	0.6	0.8	0.9	0.3	1.5	1.1
2017 Jan.	612	20,916	46	1,186					658	22,102			22	314	22	314
Feb.	718	24,347							718	24,347						
Mar.	958	34,679	69	1,850	46	1,392			1,073	37,921	46	2,637	24	334	70	2,971
Apr.	663	25,796	99	2,762					762	28,558			44	603	44	603
May	579	22,096							579	22,096	47	2,688			47	2,688
Jun.	843	30,730	24	692					867	31,422						
Jul.	539	21,137	73	2,069					612	23,206						
Aug.	688	26,670	194	6,238	70	2,416			952	35,324	49	2,794			49	2,794
Sep.	578	22,732	96	2,973					674	25,705						
Oct.	1,097	40,138							1,097	40,138						
Nov.	1,229	36,352	73	2,406	71	2,588			1,373	41,346						
Dec.	928	30,278					44	1,463	972	31,741	47	2,986			47	2,986
2017 total	9,432	335,871	674	20,176	187	6,396	44	1,463	10,337	363,906	189	11,105	90	1,251	279	12,356
Ratio of the year before	84.3	102.4	228.5	287.0	192.8	230.4	—	—	88.7	107.1	75.0	79.3	23.3	24.7	43.7	64.8
Proportion	20.3	16.5	1.4	1.0	0.4	0.3	0.1	0.1	22.2	17.9	0.4	0.5	0.2	0.1	0.6	0.6

Grades	Other paper or paperboard made mainly of bleached chemical pulp,													
	USA		Taiwan		Canada		Dominican Republic		China		Spain		Total	
Countries	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.
2016 total	26,383	1,256,062	67	2,293			20	839	50	2,583			27,718	1,306,648
Ratio of the year before	123.5	104.6	48.6	46.7			—	—	14.1	14.0			121.6	103.2
Proportion	60.8	70.7	0.2	0.1			0.0	0.0	0.1	0.1			63.8	73.6
2017 Jan.	3,444	168,366	44	1,675	20	561	43	1,980					3,551	172,582
Feb.	2,233	113,163	44	1,719			46	2,048	53	2,633			2,376	119,563
Mar.	1,240	63,332			46	1,264							1,286	64,596
Apr.	1,336	66,593	45	1,723									1,381	68,316
May	1,787	89,245	45	1,718									1,832	90,963
Jun.	1,430	69,819			22	300							1,452	70,119
Jul.	2,432	121,404	47	1,938									2,479	123,342
Aug.	2,232	111,518											2,232	111,518
Sep.	2,393	119,053	45	1,847	18	248							2,456	121,148
Oct.	3,167	163,381											3,167	163,381
Nov.	2,589	136,097	41	1,789	46	633					47	2,704	2,723	141,223
Dec.	1,562	83,049											1,562	83,049
2017 total	25,845	1,305,020	311	12,409	152	3,006	89	4,028	53	2,633	47	2,704	26,497	1,329,800
Ratio of the year before	98.0	103.9	464.2	541.2	—	—	445.0	480.1	106.0	101.9	—	—	95.6	101.8
Proportion	55.6	64.1	0.7	0.6	0.3	0.1	0.2	0.2	0.1	0.1	0.1	0.1	57.0	65.4

Note : As to the import data by grade in 2016, it contains data of the other countries.

Import No.2

( METRIC TON, CIF 1,000yen, % )

Grades	Old newspaper																			
	Italy		USA		UK		Greece		Australia		Chile		Israel		Hong Kong		Philippines		Total	
Year, Mon.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.
2016 total	1,383	35,051	42	1,672													10	698	1,435	37,421
Ratio of the year before	69,150.0	17,015.0	66.7	96.5													-	-	383.7	322.1
Proportion	3.2	2.0	0.1	0.1													0.0	0.0	3.3	2.1
2017 Jan.																	5	357	5	357
Feb.	152	4,244															5	346	157	4,590
Mar.	371	10,558																	371	10,558
Apr.																				
May	302	8,207																	302	8,207
Jun.	303	10,106	198	6,532															501	16,638
Jul.	598	19,054	199	6,670															797	25,724
Aug.	738	24,899	100	3,380															848	29,126
Sep.	649	21,385	200	6,676			95	2,838									10	847	944	30,899
Oct.	1,163	38,672	21	629											23	755			1,207	40,056
Nov.	930	29,844	83	2,344	124	3,503			74	1,601	43	1,121	24	816					1,278	39,229
Dec.	304	9,237																	304	9,237
2017 total	5,510	176,206	801	26,231	124	3,503	95	2,838	74	1,601	43	1,121	24	816	23	755	20	1,550	6,714	214,621
Ratio of the year before	398.4	502.7	1,907.1	1,568.8	-	-	-	-	-	-	-	-	-	-	-	-	200.0	222.1	467.9	573.5
Proportion	11.9	8.7	1.7	1.3	0.3	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	14.4	10.5

Grades	Paper or paperboard made mainly of mechanical pulp						Other, including unsorted waste and scrap											
	USA		Germany		Total		Taiwan		USA		China		Malaysia		Canada		Total	
Year, Mon.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.
2016 total	30	556			30	556	1,722	54,445	57	1,904	82	8,195	23	6,041			1,944	72,669
Ratio of the year before	-	-			-	10.7	-	-	23.6	15.4	64.1	62.8	95.8	76.2			439.8	209.4
Proportion	0.1	0.0			0.1	0.0	4.0	3.1	0.1	0.1	0.2	0.5	0.1	0.3			4.5	4.1
2017 Jan.							107	3,643			15	1,894	11	2,567			133	8,104
Feb.							157	5,239									157	5,239
Mar.							130	4,416			7	920	6	1,237			143	6,573
Apr.							180	6,135					4	1,226			184	7,361
May							90	3,163	19	492	12	1,334					121	4,989
Jun.							137	4,795			16	1,769	5	1,178			158	7,742
Jul.							248	9,171	22	953	7	981	6	1,913			283	13,018
Aug.							164	5,689	249	10,620							413	16,309
Sep.							203	6,943	204	8,747	7	884	5	1,398	21	251	440	18,223
Oct.							114	3,999	131	5,861							245	9,860
Nov.	21	485			21	485	157	5,632					4	1,460			161	7,092
Dec.	20	705	0	238	20	705	178	6,288					6	1,822			184	8,110
2017 total	41	1,190	0	238	41	1,190	1,865	65,113	625	26,673	64	7,782	47	12,801	21	251	2,622	112,620
Ratio of the year before	136.7	214.0	-	-	136.7	214.0	108.3	119.6	1,096.5	1,400.9	78.0	95.0	204.3	211.9	-	-	134.9	155.0
Proportion	0.1	0.1	0.0	0.0	0.1	0.1	4.0	3.2	1.3	1.3	0.1	0.4	0.1	0.6	0.0	0.0	5.6	5.5

Note : As to the import data by grade in 2016, it contains data of the other countries.

Import No.3

( METRIC TON, CIF 1,000yen, % )

Countries	Total by country																		Total	
	USA		Italy		Taiwan		Canada		Netherland		UK		China		Philippines		Other		Qty.	Val.
Year, Mon.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.
2016 total	37,959	1,602,336	1,406	35,736	1,789	56,738	387	5,062	117	3,338			132	10,778	305	7,729	1,324	54,458	43,419	1,776,175
Ratio of the year before	116.8	102.4	70,300.0	17,347.6	951.6	923.9	94.2	89.5	—	—			27.4	34.2	—	—	99.9	81.3	124.4	106.1
Proportion	87.4	90.2	3.2	2.0	4.1	3.2	0.9	0.3	0.3	0.2			0.3	0.6	0.7	0.4	3.0	3.1	100.0	100.0
2017 Jan.	4,056	189,282			151	5,318	42	875					15	1,894	51	1,543	54	4,547	4,369	203,459
Feb.	2,951	137,510	152	4,244	201	6,958							53	2,633	5	346	46	2,048	3,408	153,739
Mar.	2,244	100,648	371	10,558	130	4,416	70	1,598	46	1,392			7	920	69	1,850	6	1,237	2,943	122,619
Apr.	1,999	92,389			225	7,858	44	603							99	2,762	4	1,226	2,371	104,838
May	2,432	114,521	302	8,207	135	4,881							12	1,334					2,881	128,943
Jun.	2,471	107,081	303	10,106	137	4,795	22	300					16	1,769	24	692	5	1,178	2,978	125,921
Jul.	3,192	150,164	598	19,054	295	11,109							7	981	73	2,069	6	1,913	4,171	185,290
Aug.	3,318	154,982	738	24,899	164	5,689			70	2,416					204	7,085			4,494	195,071
Sep.	3,375	157,208	649	21,385	248	8,790	39	499					7	884	96	2,973	100	4,236	4,514	195,975
Oct.	4,416	210,009	1,163	38,672	114	3,999											23	755	5,716	253,435
Nov.	3,922	175,278	930	29,844	198	7,421	46	633	71	2,588	124	3,503			73	2,406	192	7,702	5,556	229,375
Dec.	2,557	117,018	304	9,237	178	6,288											50	3,285	3,089	135,828
2017 total	36,933	1,706,090	5,510	176,206	2,176	77,522	263	4,508	187	6,396	124	3,503	117	10,415	694	21,726	486	28,127	46,490	2,034,493
Ratio of the year before	97.3	106.5	391.9	493.1	121.6	136.6	68.0	89.1	159.8	191.6	—	—	88.6	96.6	227.5	281.1	36.7	51.6	107.1	114.5
Proportion	79.4	83.9	11.9	8.7	4.7	3.8	0.6	0.2	0.4	0.3	0.3	0.2	0.3	0.5	1.5	1.1	1.0	1.4	100.0	100.0

**Table 14 Trends in exports of paper & paperboard**

( Kg, FOB, 1,000yen )

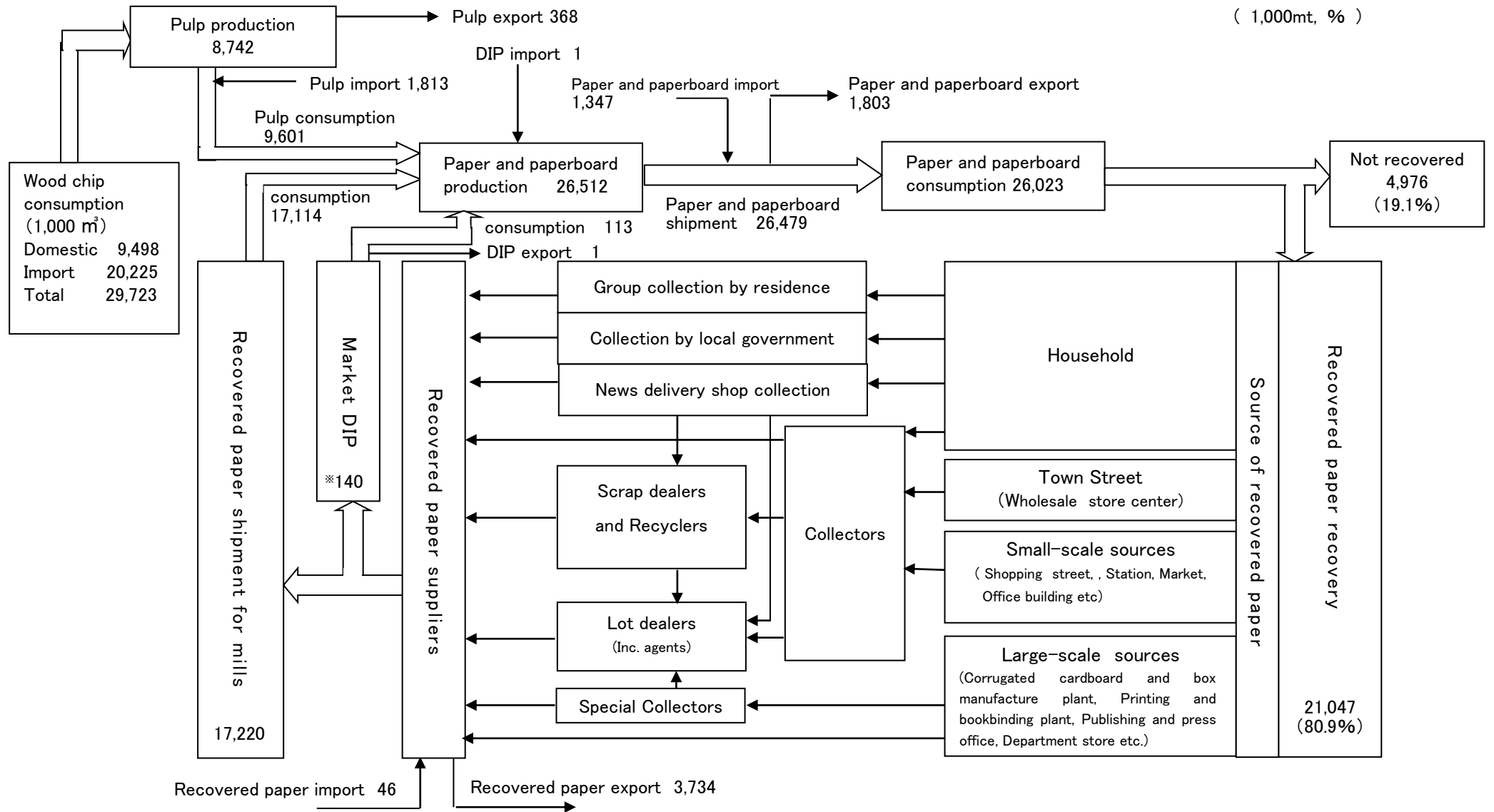
Grades	Year	2017		2016		Ratio of the year before (%)	
		Qty.	Val.	Qty.	Val.	Qty.	Val.
Newspaper		3,880,000	180,791	4,902,000	219,695	79.2	82.3
Printing paper (fine)		189,876,725	17,010,760	182,990,807	15,930,368	103.8	106.8
Printing paper (colored)		29,665,250	3,508,737	27,382,630	3,349,275	108.3	104.8
Printing paper (thin paper)		10,383,242	1,337,025	14,544,786	1,832,630	71.4	73.0
Printing paper (other)		2,947,454	403,290	2,386,548	363,800	123.5	110.9
Other graphic purposes		12,708,898	1,390,446	25,841,149	2,688,372	49.2	51.7
Coated paper		449,219,871	38,551,615	426,079,549	34,072,808	105.4	113.1
Coated wood contained paper		155,464,263	10,781,983	144,611,994	10,084,660	107.5	106.9
Sack kraft paper		83,969,720	6,476,018	76,854,091	5,391,014	109.3	120.1
Other kraft paper		159,651,279	24,276,574	142,428,508	20,512,345	112.1	118.4
Sulphite wrapping paper		22,289	4,734	22,509	1,926	99.0	245.8
Cigarette paper		1,543,115	680,678	1,966,356	796,914	78.5	85.4
Glassine paper		5,785,449	1,196,627	4,710,806	1,042,553	122.8	114.8
Tracing paper		11,130	22,344	10,626	20,216	104.7	110.5
Parchment paper, grease proof paper		848,333	280,937	790,751	286,111	107.3	98.2
Other paper		73,487,599	18,506,107	60,867,682	16,618,330	120.7	111.4
<b>Paper Total</b>		<b>1,179,464,617</b>	<b>124,608,666</b>	<b>1,116,390,792</b>	<b>113,211,017</b>	<b>105.6</b>	<b>110.1</b>
Kraft liner		34,979,000	1,727,345	12,752,000	644,883	274.3	267.9
Test liner		248,989,117	12,604,672	172,344,932	8,238,042	144.5	153.0
Corrugating medium (SCP)		44,900,000	1,661,552	41,061,000	1,346,387	109.3	123.4
Corrugating medium (other)		236,225,797	10,568,053	166,248,694	6,189,750	142.1	170.7
Coated white paperboard (CP95%)		811,684	118,942	1,708,147	221,266	47.5	53.8
Coated white paperboard (other)		22,513,931	2,138,383	12,930,102	1,242,361	174.1	172.1
Uncoated white paperboard (CP95%)		1,518,938	160,110	596,685	55,673	254.6	287.6
Uncoated white paperboard (other)		241,057	54,103	263,212	55,914	91.6	96.8
Kraft paperboard (unbleached)		4,713,659	934,442	3,800,664	788,701	124.0	118.5
Color paperboard		1,606,250	150,278	292,684	33,742	548.8	445.4
Other paperboards		27,397,769	4,610,960	24,864,543	4,258,702	110.2	108.3
<b>Paperboard Total</b>		<b>623,897,202</b>	<b>34,728,840</b>	<b>436,862,663</b>	<b>23,075,421</b>	<b>142.8</b>	<b>150.5</b>
<b>Paper and Paperboard Total</b>		<b>1,803,361,819</b>	<b>159,337,506</b>	<b>1,553,253,455</b>	<b>136,286,438</b>	<b>116.1</b>	<b>116.9</b>
Hand made paper and paperboard		132,266	181,258	206,712	220,095	64.0	82.4
Self-copy paper		6,034,276	909,500	4,262,035	720,337	141.6	126.3
Thermal transfer paper		128,690	112,683	189,599	158,252	67.9	71.2
Cellophane		6,487,052	3,714,494	5,827,610	3,134,416	111.3	118.5
Converted paper total		214,752,610	89,866,554	211,884,839	87,789,194	101.4	102.4
<b>All Kind of Paper Total</b>		<b>2,030,896,713</b>	<b>254,121,995</b>	<b>1,775,624,250</b>	<b>228,308,732</b>	<b>114.4</b>	<b>111.3</b>

**Table 15 Trends in imports of paper & paperboard**

( Kg, CIF, 1,000yen )

Grades	Year	2017		2016		Ratio of the year before (%)	
		Qty.	Val.	Qty.	Val.	Qty.	Val.
Newsprint (of a width exceeding 161cm)		5,181,000	317,274	16,701,000	1,006,329	31.0	31.5
Newsprint (other)		5,405,000	365,125	7,076,000	462,704	76.4	78.9
Printing paper (fine)		17,650,450	2,298,138	23,256,142	2,893,180	75.9	79.4
Printing paper (copy paper)		492,145,275	50,615,220	487,378,057	50,542,678	101.0	100.1
Printing paper (thin paper)		74,165	17,279	93,253	22,939	79.5	75.3
Printing paper (other)		113,295,732	8,946,142	114,225,922	9,195,969	99.2	97.3
Coated paper		71,281,933	6,627,011	124,868,461	11,118,227	57.1	59.6
Coated wood contained paper		281,740,841	20,178,178	247,024,174	19,385,539	114.1	104.1
Sack kraft paper (unbleached)		1,543,486	149,251	1,832,430	164,100	84.2	91.0
Sack kraft paper (bleached)		919,493	108,723	822,238	92,994	111.8	116.9
Other kraft paper (unbleached)		4,364,434	1,043,846	3,042,356	623,738	143.5	167.4
Other kraft paper (bleached)		1,411,872	178,984	1,118,292	140,343	126.3	127.5
Tracing paper		73,412	37,780	130,078	82,420	56.4	45.8
Parchment paper, grease proof paper		7,707,661	1,685,590	7,773,879	1,766,087	99.1	95.4
Other paper		30,550,746	7,590,642	24,557,146	6,863,389	124.4	110.6
<b>Paper Total</b>		<b>1,033,345,500</b>	<b>100,159,183</b>	<b>1,059,899,428</b>	<b>104,360,636</b>	<b>97.5</b>	<b>96.0</b>
Kraftliner (unbleached)		37,132,853	2,879,904	38,371,372	2,841,030	96.8	101.4
Kraftliner (bleached)		2,488,249	190,592	1,725,586	159,060	144.2	119.8
Test liner		886,674	63,752	154,501	8,475	573.9	752.2
Corrugating medium (SCP)		136,678	9,316	401,986	21,205	34.0	43.9
Corrugating medium (other)		167,259	8,547	1,669,642	92,928	10.0	9.2
Coated white paperboard (CP95%)		68,129,771	9,044,725	73,999,105	10,686,818	92.1	84.6
Coated white paperboard (other)		155,625,389	11,889,320	159,113,991	12,763,891	97.8	93.1
Uncoated white paperboard (CP95%)		12,982,077	1,666,314	12,231,886	1,563,590	106.1	106.6
Uncoated white paperboard (other)		9,141,560	1,021,639	9,225,016	1,264,564	99.1	80.8
Kraft paperboard		15,996,149	1,596,513	12,909,133	1,272,617	123.9	125.5
Other paperboards		11,410,666	1,562,471	13,300,767	1,710,249	85.8	91.4
<b>Paperboard Total</b>		<b>314,097,325</b>	<b>29,933,093</b>	<b>323,102,985</b>	<b>32,384,427</b>	<b>97.2</b>	<b>92.4</b>
<b>Paper and Paperboard Total</b>		<b>1,347,442,825</b>	<b>130,092,276</b>	<b>1,383,002,413</b>	<b>136,745,063</b>	<b>97.4</b>	<b>95.1</b>
Hand made paper and paperboard		1,093,810	1,350,223	1,125,854	1,450,015	97.2	93.1
Paper for milk carton		187,018,634	29,507,315	174,129,764	26,196,400	107.4	112.6
Other converted paper total		92,182,531	30,357,151	106,258,695	32,905,502	86.8	92.3
<b>All Kind of Paper Total</b>		<b>1,627,737,800</b>	<b>191,306,965</b>	<b>1,664,516,726</b>	<b>197,296,980</b>	<b>97.8</b>	<b>97.0</b>

**Fig.6 Recovered paper generation / distribution route (2017)**



※Market pulp /0.8yield

**Table 16 Roles of recovered paper recycling by agents**

Agents by channel	recovered paper item	Sellers or generator	Buyers	Function
Collectors	Old newspaper Old magazines Old corrugated containers	Home Wholesale store Station, Market Office buildings	Scrap dealers	1. They collect recovered paper from the steady points where are in the wide distribution of towns. 2. Collectors collect without money 3. Scrap dealers buy with money.
Special Collectors (Commercial waste)	Old corrugated containers Old newspaper Kraft paper waste	Super market Dpartment store	Recovered paper suppliers	1. They have some of the fixed routes already with contract. 2. They buy with money, but in some case, receive the fee for clean up.
Special Collectors (Industrial waste)	Cutting paper waste Old corrugated containers Box board waste	Paper converter or printer	Recovered paper suppliers	1. They have some of the fixed rote already with contract. 2. They collect high quality Grades.
Scrap dealers (They recover many kinds of waste )	Old newspaper Old magazines Old corrugated containers	Collectors	Recovered paper suppliers Lot dealers	1. Assort, clean up, compacting of recovered paper. 2. In some case, they have a share of the fixed point on collection system.
Lot dealers ( including agents )	All kinds of recovered paper	Collectors	Recovered paper suppliers	1. Sometimes, they carry recovered paper to the paper maker by order of Recovered paper supplier.
Recovered paper suppliers	All kinds of recovered paper	Scrap dealer Lot dealers	Paper makers	1. Sorting and bailing of recovered paper. 2. They have stock as a measure of the supply and demand control function. 3. They must be registered for the paper stock section of the paper maker's mills as his trader.



**Table 17 Estimation of recovery rate by grades (2017)**

( METRIC TON )

Grades	Recovery	Consumption of Paper or Paperboard	2017 recovery rate (%)	2016 recovery rate (%)
Hard white shavings, white cards	} 5,065,177 }	} 11,175,938 }	} 45.3 }	} 45.4 }
White woody shavings, white manila				
Fine paper printed (incl. coated paper)				
Quires woody printed paper				
Old magazines				
Old newspaper	3,960,129	2,700,669	146.6	147.3
Kraft browns	} 10,815,512 }	} 9,699,306 }	} 111.5 }	} 111.7 }
Old corrugated containers				
Box board cuttings	1,206,455	2,447,354	49.3	51.9
Total	21,047,273	26,023,267	80.9	81.3

Notes :

1. Recovery quantity = Shipment from papermakers + Exports - Imports + Maket pulp (0.8 yied and produced with recovered paper)
2. Consumption of paper or paperboard in Japan = Shipment from papermakers + Exports - Imports
3. Consumption of paper or paperboard
  - a) The 100% recovered paper of Printing and communication paper, Bleached wrapping paper, Sanitary paper, Miscellaneous paper become of Hard white shavings, white cards, White woody shavings, white manila, Fine paper printed, Miscellaneous paper, and Old magazines, and 3% of Newsprint and Manila board become of the above grades after used.
  - b) About 97% of Newsprint become of Old newspaper after used
  - c) All of Unbleached wrapping paper ( Kraft paper ) become of Kraft browns after used.
  - d) All of Corrugated container become Old corrugated containers after used.
  - e) All of White paperboard ( except Manila board ), Core board, Building board, Other paperboard and 97% of Manila board become of Box board cuttings after used.

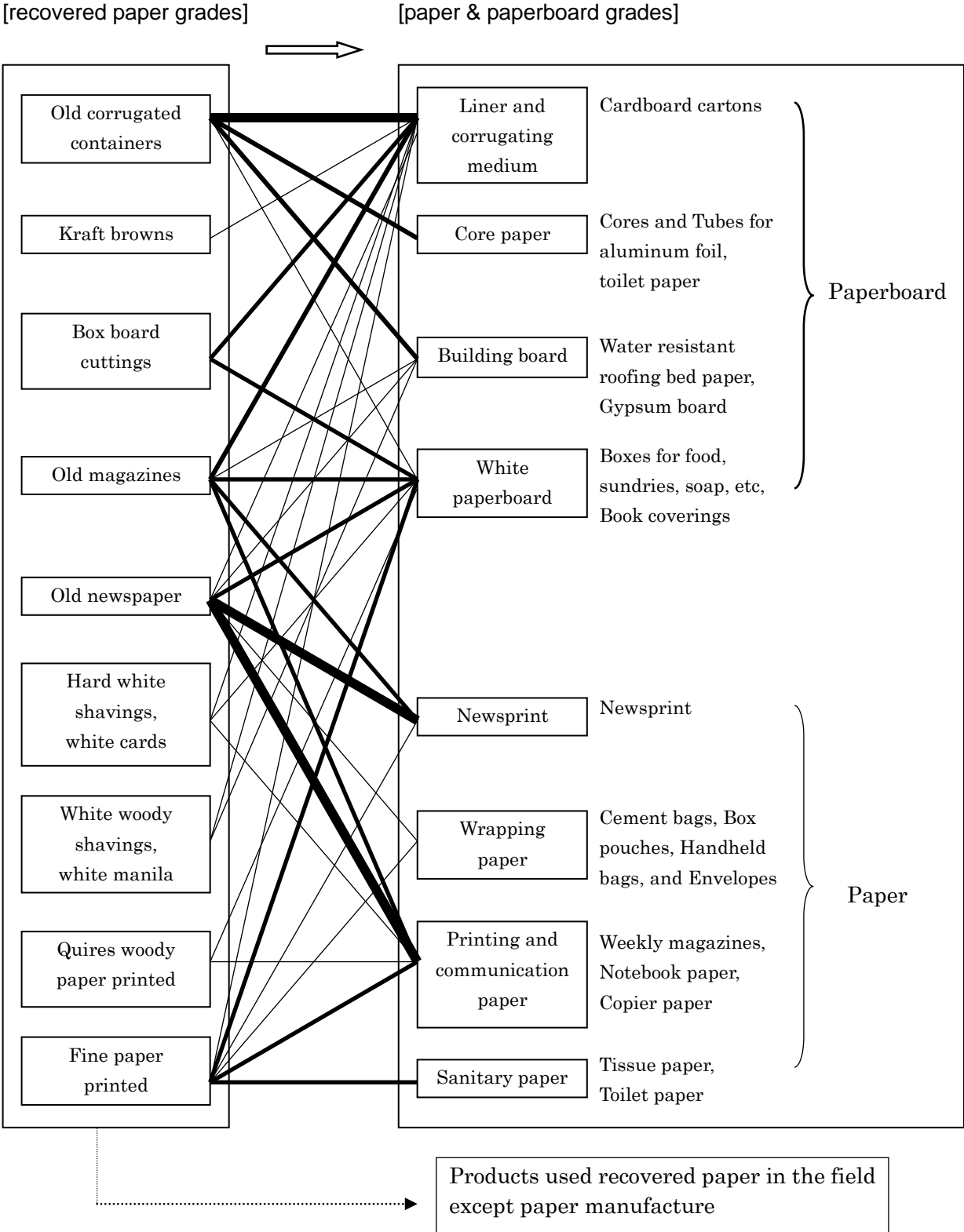
**Table 18 Estimation rate of recovered paper consumption for paper production (2017)**

Grades	Total	Hard white shavings, white cards	White woody shavings, white manila	Fine paper printed	Kraft browns	Quires woody paper printed	Old newspaper	Old magazines	Old corrugated containers	Box board cuttings
Newsprint	0.9447	—	—	0.0254	—	—	0.8471	0.0708	—	0.0014
Printing and communication paper	0.2020	0.0014	0.0002	0.0536	—	0.0091	0.1215	0.0161	—	0.0000
Wrapping paper	0.0699	—	—	0.0342	0.0082	—	0.0250	0.0025	—	—
Sanitary paper	0.5265	—	—	0.5263	—	0.0003	—	—	—	—
Miscellaneous paper	0.0288	0.0007	—	0.0010	0.0009	—	0.0230	0.0002	0.0025	0.0005
Paper total	0.3655	0.0008	0.0001	0.1023	0.0006	0.0052	0.2333	0.0228	0.0001	0.0003
Kraft Liner	1.0179	0.0033	0.0021	0.0068	0.0048	—	0.0011	0.0782	0.9041	0.0175
Test liner (Jute Liner)	1.0268	0.0025	0.0067	0.0141	0.0025	—	0.0050	0.2304	0.7401	0.0255
Recycled liner	1.0286	0.0575	0.0806	0.0376	0.0070	0.0062	0.0399	0.2364	0.4770	0.0863
Corrugating medium	1.0236	—	—	0.0001	0.0006	—	0.0005	0.0754	0.9223	0.0246
Manila paperboard	0.4349	0.0012	0.0000	0.1945	—	0.0005	0.0658	0.1708	0.0001	0.0020
White paperboard	1.0500	0.0272	0.0044	0.1360	—	0.0116	0.1602	0.6243	0.0144	0.0718
Chipboard (Colored Board )	1.0798	0.0114	0.0084	0.0179	0.0123	0.0106	0.0953	0.3438	0.1429	0.4373
Building board	1.0244	0.0043	0.0862	0.0004	0.0105	—	0.1191	0.1160	0.6562	0.0318
Other paperboard	0.9484	0.0019	—	0.0017	0.0164	0.0035	0.0075	0.0185	0.8849	0.0140
Paperboard Total	0.9956	0.0044	0.0042	0.0238	0.0032	0.0012	0.0200	0.1454	0.7633	0.0300
Total	0.6503	0.0025	0.0020	0.0668	0.0017	0.0034	0.1369	0.0782	0.3451	0.0137

Notes : The recovered paper consumption for the paper or paperboard making by grade / The paper or paperboard production

Estimate by pulp & paper annual statistics ,monthly statistics of paper,print, plastic and rubber product by METI and investigation of recovered paper consumption by P.R.P.C

**Fig.7 Use of recovered paper (2017)**



Notes :

- Thick line** Consumption 1,000 thousand metric ton/year and over
- Medium line** Consumption 100 thousand metric ton/year and over
- Thin line** Consumption 10 thousand metric ton/year and over

**Table 19 Trends of quantity and composition ratio of products used recovered paper <sup>1</sup> in the field except paper manufacture**

( upper : Product mass(metric ton), lower : Composition ratio(percent) )

product field \ year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Solid fiberboard	34,630	24,776	18,770	22,200	21,809	20,398	18,618	15,846	15,304	13,618	20,878
	5.4	4.1	2.9	2.9	2.7	2.5	2.1	1.7	1.6	1.4	1.9
Animal bedding	6,568	5,580	5,550	3,760	3,610	4,160	4,030	4,312	4,240	3,640	3,650
	1.0	0.9	0.9	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.3
Celulose insulation	14,825	16,119	14,866	14,942	14,667	11,765	12,538	12,803	12,790	11,587	10,675
	2.3	2.6	2.3	1.9	1.8	1.4	1.4	1.3	1.4	1.2	1.0
Molded pulp	52,009	47,120	43,652	41,187	42,243	38,090	37,127	37,407	37,010	35,577	36,281
	8.2	7.7	6.8	5.3	5.3	4.6	4.1	3.9	4.0	3.6	3.3
RPF <sup>2</sup>	475,102	465,509	509,084	643,974	657,658	697,877	768,969	827,842	799,510	870,259	969,047
	74.5	76.2	79.8	82.9	82.9	84.0	85.2	86.3	86.1	87.5	88.2
Dehydrate assistant <sup>3</sup> Cover material <sup>4</sup>	6,160	4,595	5,300	8,340	5,710	7,190	4,360	4,740	4,820	3,500	1,760
	1.0	0.8	0.8	1.1	0.7	0.9	0.5	0.5	0.5	0.4	0.2
Filler for building materials	45,000	41,300	35,900	35,400	40,100	46,000	47,700	44,900	43,600	44,100	44,000
	7.1	6.8	5.6	4.6	5.1	5.5	5.3	4.7	4.7	4.4	4.0
Others <sup>5</sup>	3,832	5,620	4,806	6,873	7,819	5,548	9,198	10,999	11,564	12,371	12,666
	0.6	0.9	0.8	0.9	1.0	0.7	1.0	1.1	1.2	1.2	1.2
Product total mass	638,126	610,619	637,928	776,675	793,616	831,028	902,540	958,849	928,838	994,652	1,098,957
Total mass of used recovered paper	285,543	252,686	242,825	286,949	233,492	298,732	287,638	283,929	274,715	292,908	278,428
Ratio of used recovered paper <sup>6</sup>	44.7	41.4	38.1	36.9	29.4	35.9	31.9	29.6	29.6	29.4	25.3

Notes : 1 : include wastepaper

2 : Refuse Paper & Plastic Fuel

3 : Assistant which dehydrates drainage and sewage

4 : Material which covers waste in landfill

5 : Packaging protection, Deodorant, Paper clay, Oil and Liquid absorb material, Highway seeding and so on

6 : (Total mass of used recovered paper / Product total mass) × 100

**Table20 Trends in price of recovered papers**

( Yen/Ton , pressed )

Year, Mon.	White shavings	White wood-containing shavings *	White ledger *	Color ledger *	Old newspaper	Old magazines	Old corrugated containers
2014 Jan	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000~16,000
Feb	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000~16,000
Mar	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000~16,000
Apr	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000~16,000
May	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000~16,000
Jun	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Jul	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Aug	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Sep	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Oct	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Nov	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Dec	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
2015 Jan	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Feb	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Mar	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Apr	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
May	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Jun	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Jul	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Aug	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Sep	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Oct	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Nov	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Dec	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
2016 Jan	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Feb	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Mar	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Apr	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
May	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Jun	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Jul	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Aug	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Sep	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Oct	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Nov	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Dec	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
2017 Jan	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Feb	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Mar	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Apr	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
May	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Jun	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Jul	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Aug	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Sep	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Oct	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Nov	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Dec	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~

Notes : The table is showing paper maker's purchase prices in Tokyo except for the figures marked with \* showing prices in Shizuoka area.

The paper maker's purchase prices are without the delivery cost for White shavings, Old newspaper, Old magazines and Old corrugated containers to mills.

**Table21 The list of Japanese standard qualities of recovered paper**

Paper Recycling Promotion Center  
 Enacted: March. 1979  
 Revised: Jun. 15, 2000  
 Revised: Sept. 30, 2004  
 Revised: Sept. 29, 2008  
 Revised: Apr. 22, 2010  
 Revised: Jan. 29, 2015  
 Revised: May. 26, 2016

Statistical Group	No.	Grade	Description
Hard white shavings, white card	1	White shavings	Shavings or sheets of white unprinted wood-free paper collected from bookbinders, printers, and sheet cutting facilities.
	2	Cream shavings	Shavings or sheets of cream-colored unprinted wood-free paper collected from bookbinders, printers, and sheet cutting facilities.
	3	Ruled-paper shavings	Shavings or sheets of white or cream-colored unprinted wood-free paper with red or blue ruling or register marks, collected from bookbinders, printers, and sheet cutting facilities.
White woody shavings, white manila	4	High-grade white wood-containing shavings	Shavings or sheets of white unprinted high-grade wood-containing paper collected from bookbinders, printers, and sheet cutting facilities.
	5	White wood-containing shavings	Shavings or sheets of white unprinted groundwood paper collected from bookbinders, printers, and newspaper printing plants.
Fine paper printed (incl. coated paper)	6	White ledger	White wood-free paper printed with black ink.
	7	Color ledger	White wood-free uncoated or coated paper printed in color.
	8	Wood-free shavings with partial color print	Shavings of white uncoated or coated wood-free paper, some of which is color printed, collected from bookbinders and printers.
	9	Coated white shavings	Shavings or sheets of unprinted coated paper collected from bookbinders and printers.
	10	Fliers	high-grade wood-containing white paper, etc.
	11	Polycoated milk carton stock	Washed used household polycoated beverage cartons, and shavings and sheets of industrially generated polycoated milk carton board, with no aluminum content.
	12	Sorted office paper	Paper and paper products from businesses, consisting primarily of loose black-printed or color-printed paper and copier paper.

Statistical Group	No.	Grade	Description
Quires woody paper printed	13	High-grade color-printed wood-containing shavings	Shavings of high-grade wood-containing white paper printed in various colors, collected from bookbinders and printers.
	14	Color-printed wood-containing shavings	Shavings of groundwood paper printed in various colors, collected from bookbinders and printers.
	15	High-grade wood-containing waste	Sheets of high-grade wood-containing paper, black-printed or color-printed, and groundwood paper collected from bookbinders and printers.
Old newspaper	16	Old newspaper	Old newspapers and Inserts collected from residences, businesses, public offices, etc.
Old magazines	17	Old magazines	Bound papers such as magazines, books, returned and remaindered books, user's manuals (including brochures), and booklets (pamphlet, catalogues and guidebooks, etc.) collected from residences, businesses, and public offices, etc.
Kraft browns	18	New brown kraft cuttings, unprinted brown kraft	Cuttings and sheets of unprinted brown kraft paper collected from kraft paper sack factories.
	19	Used brown kraft sacks	Used brown kraft sacks for rice, wheat, etc.
	20	Kraft lined corrugated containers	Kraft corrugated cuttings and old kraft corrugated containers (Comprised mainly of imports), Unbleached six pack beer carrier, etc.
Old corrugated containers	21	Old corrugated containers	Old corrugated containers collected from businesses, residences, etc.
	22	New Double-lined kraft corrugated cuttings	New corrugated cuttings and sheets from packaging products factories.
Box board cuttings	23	Mill wrappers	Used wrapping for paper and paperboard.
	24	White paperboard cuttings	Cuttings and die cuttings of white paperboard, chipboard, etc. collected from carton makers.
	25	Chipboard cuttings (Carton)	Old cartons from businesses, etc.
	26	Sorted residential old paper and paperboard	Paper, paperboard, and products thereof, collected from residences, exclusive of (separated from) old newspaper, old magazines, old corrugated containers and milk cartons.

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