

2024Q1 钢铁板块亏损

Yanqi Liu
yanqi.liu@htisec.com

投资要点:

- **2024Q1 收入降幅大于成本降幅，毛利率降低。**钢铁上市公司收入随钢价下跌而下降。2023Q4 上市钢企合计收入 5098 亿元，环比 2023Q3 下降 0.77%；2024Q1 收入 4836 亿元，环比 2023Q4 下降 5.14%；2024Q1 上市钢企合计成本 4633 亿元，环比 2023Q4 降低 4.24%。收入降幅大于成本降幅，毛利率下降；
- **2024Q1 钢铁板块归母净利合计环降 104%。**2024Q1 成本降幅小于收入降幅，毛利率下降。2023Q4 归母净利润合计为 52.06 亿元，环比下降 47.29%。2024Q1 上市钢企合计归母净利润为-2.20 亿元，环比下降 104%。其中宝钢股份 2023Q4 和 2024Q1 归母净利润分别为 35.94 亿元和 19.26 亿元，环比也是下降；
- **2024Q2 钢铁板块利润环比好转。**如果采用当日的钢价、矿价、焦煤价格来核算利润，会发现 2024Q1 吨钢毛利比较弱。但钢企往往有半个月到一个月甚至更久的矿石及焦煤库存，所以实际各家财务核算中往往差别较大；吨钢毛利随着供需不断波动。在 2024 年 1 月触底反弹，到 4 月底回到这一轮高点，然后又掉头向下；Mysteel 调查的钢企盈利率从 2024 年 3 月 15 日的 21.21%攀升到 5 月 3 日的 52.81%。二季度钢企盈利率平均看明显高于一季度；
- **板块财务健康。**截止 2024Q1，上市钢企合计负债为 12272 亿元，负债率 57.37%，连续几年稳定在该水平，负债率从 2016 年最高点累计下降了约 11 个百分点；经营活动净现金流史上第二次出现负数。从 2002 年至 2024Q1，共出现两次现金流为负，一次是 2023 年 Q1 为-82 亿元，第二次是 2024Q1 经营现金流为-125 亿元。投资活动仍不少，2021-2023 年，投资活动净现金流分别为 872 亿元、986 亿元、763 亿元；过去 22 年，期间费用占收入的比例逐步下降。2018 年开始研发费用单列，即使如此，三项费用算上研发占销售收入比例也处于过去 24 年较低水平。研发费用和销售费用波动较大，成为影响业绩的一个重要因素；
- **板块 ROE 和 ROA 处于较低水平。**钢铁板块资产收益波动较大，2024Q1 钢企整体上处于历史平均水平以下，特钢好于普钢。过去十年，存货管理效率提升，周转率从约 6 次提升到 8 次附近，最近两年有下降趋势；总资产周转率和净资产周转率基本保持在中游水平。
- **出口环节国内钢材供给压力。**2024Q1 折合粗钢口径的净出口量约 2498 万吨，同比净增量 612 万吨，同比增速 32.44%。净出口大大消化了国内产能压力。国内钢企盈利较差，迫使钢企不得不寻找对外出口；
- **2024Q 国内粗钢表观消费下降 4.73%。**采用粗钢产量、净出口估算国内粗钢表观需求，结果显示 2024Q1，国内粗钢表观消费下降约 4.73%；
- **板块估值。**以 2024 年 5 月 16 日收盘价估算，上市钢企 PB 大多低于 1x。从过去 24 年钢铁板块（申万）PB 走势看，目前钢铁板块 PB 估值已经位于底部区域。全球比较看，A 股钢企 PB 估值处于中游，较贵的有美国和中国台湾地区，欧洲和俄罗斯钢企估值明显较低；
- **个股投资建议。**关注宝钢股份、华菱钢铁、南钢股份、中信特钢、首钢股份等；
- **风险提示。**政策风险、外部风险等。

本研究报告由海通国际分销，海通国际是由海通国际研究有限公司，海通证券印度私人有限公司，海通国际株式会社和海通国际证券集团其他各成员单位的证券研究团队所组成的全球品牌，海通国际证券集团各成员分别在其许可的司法管辖区内从事证券活动。关于海通国际的分析师证明，重要披露声明和免责声明，请参阅附录。(Please see appendix for English translation of the disclaimer)

目 录

1.	Q1 板块归母净利亏损	5
1.1	Q1 板块收入环降 5.14%	5
1.2	Q1 成本环降 4.24%	6
1.3	2024Q1 归母净利环降 104%	6
2.	2024Q2 盈利环比好转	7
2.1	2024Q1 当日现货核算的利润较弱	7
2.2	Mysteel 调查的钢企盈利率二季度反弹	8
3.	财务健康	9
3.1	负债率稳定	9
3.2	2024Q1 经营现金流转负	9
3.3	期间费用占收入比逐步回落	9
4.	资产收益率历史均值以下	10
4.1	特钢 ROE 好于普钢	10
4.2	存货周转效率提升	11
5.	出口大增缓解国内压力	11
5.1	2024Q1 粗钢产量下降 1.9%	11
5.2	出口消化了多余产量	12
5.3	地产对钢材需求的影响仍将持续	12
5.4	2024Q1 年粗钢消费下降	12
6.	板块股票估值	13
6.1	板块与股票估值	13
6.2	钢铁板块历史 PB 走势	13
6.3	国际大钢企估值比较	14
7.	个股推荐	15
8.	风险提示	15

图目录

图 1	用澳矿模拟的吨钢毛利（元/吨）	8
图 2	Mysteel 调查的钢企盈利率（%）（2013-2024 年 5 月 17 日）	8
图 3	Mysteel 调查的钢企盈利率（%）（2022 年至 2024 年 5 月 17 日）	8
图 4	钢铁板块加权负债率	9
图 5	钢铁板块总负债（亿元）	9
图 6	上市钢企经营净现金流合计（亿元）	9
图 7	上市钢企投资活动净现金流合计（亿元）	9
图 8	单季度三项费用占收入比例	10
图 9	单季度研发和期间费用占收入比例	10
图 10	单季度三项费用（亿元）	10
图 11	单季度期间费用（亿元）	10
图 12	钢铁板块 ROA 和 ROE	10
图 13	普钢和特钢 ROE	10
图 14	钢铁板块存货周转率（次）	11
图 15	钢铁板块总资产和净资产周转率（次）	11
图 16	247 家钢企生铁日均产量（万吨）	11
图 17	钢材周度产量（万吨）	11
图 18	上证与钢铁指数（申万）PB 走势（倍）	14

表目录

表 1	上市钢企单季度收入（亿元）	5
表 2	上市钢企单季度成本（亿元）	6
表 3	上市钢企单季度归母净利（亿元）	7
表 4	我国生铁、粗钢、钢材产量增速	11
表 5	折合粗钢口径的净出口量（万吨）	12
表 6	2018-2024Q1 地产新开工面积和增速（亿平方米）	12
表 7	测算 2024Q1 国内粗钢表观消费量及增速（万吨）	12
表 8	上市钢企估值指标（亿元、元/吨、倍）	13
表 9	矿石和焦煤月度环比涨价（元/吨）	14

1. Q1 板块归母净利亏损

1.1 Q1 板块收入环降 5.14%

钢铁上市公司收入随钢价下跌而下降。2023Q4 上市钢企合计收入 5098 亿元，环比 2023Q3 下降 0.77%；2024Q1 收入 4836 亿元，环比 2023Q4 下降 5.14%。

表 1 上市钢企单季度收入（亿元）

	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24
包钢股份	202	209	171	140	171	184	180	170	177
宝钢股份	860	977	946	895	786	913	852	895	808
山东钢铁	241	294	230	257	248	222	214	221	228
ST 西钢	30	25	16	6	13	13	7	16	12
杭钢股份	118	140	105	70	125	132	137	164	160
凌钢股份	60	69	46	41	55	52	48	48	52
南钢股份	170	178	178	180	179	190	194	162	169
酒钢宏兴	110	152	103	81	104	102	95	93	82
抚顺特钢	18	20	19	21	20	22	21	23	21
安阳钢铁	85	123	91	94	99	112	115	96	85
马钢股份	266	298	229	228	227	262	249	250	204
钒钛股份	41	41	31	37	39	37	35	32	36
中信特钢	246	272	237	228	280	304	281	276	284
河钢股份	311	409	380	334	319	325	313	271	297
中南股份	69	109	95	120	91	105	101	93	80
本钢板材	166	184	128	148	158	148	129	143	148
太钢不锈	232	271	234	239	259	278	267	252	245
鞍钢股份	349	354	306	302	308	280	255	292	273
华菱钢铁	410	434	401	437	398	395	406	441	369
首钢股份	318	320	279	265	287	287	277	287	295
沙钢股份	46	50	42	43	39	37	37	40	37
三钢闽光	128	138	133	117	120	113	111	136	112
久立特材	13	17	18	18	17	21	24	24	24
常宝股份	11	17	17	17	18	16	17	15	13
柳钢股份	230	221	173	184	172	204	195	227	200
重庆钢铁	87	93	76	109	105	105	90	93	77
八一钢铁	51	80	66	34	40	72	66	52	35
金岭矿业	3	5	3	2	3	4	4	4	3
金洲管道	14	17	15	16	12	16	15	14	10
新钢股份	260	261	239	230	229	220	174	89	113
方大特钢	52	81	49	51	42	92	63	68	59
扬子新材	1	1	1	1	1	1	1	1	1
新兴铸管	130	140	115	93	119	127	118	69	91
永兴材料	26	38	45	47	33	33	30	25	23
武进不锈	6	7	8	8	9	10	9	8	7
玉龙股份	28	22	33	27	5	5	7	8	4
合计	5391	6065	5259	5119	5128	5437	5138	5098	4836

资料来源：Wind，HTI

1.2 Q1 成本环降 4.24%

2024Q1 上市钢企合计成本 4633 亿元，环比 2023Q4 降低 4.24%。收入降幅大于成本降幅，毛利率下降。

表 2 上市钢企单季度成本（亿元）

	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24
包钢股份	186	190	172	118	154	164	164	156	164
宝钢股份	777	875	882	928	745	867	781	838	767
山东钢铁	222	273	224	247	240	212	204	212	228
ST 西钢	29	25	17	7	13	13	8	18	12
杭钢股份	112	135	104	71	123	130	135	162	159
凌钢股份	57	67	50	45	53	52	48	51	55
南钢股份	150	157	155	168	162	168	174	145	151
酒钢宏兴	101	143	108	80	95	97	86	89	77
抚顺特钢	15	17	17	17	18	19	17	20	18
安阳钢铁	86	118	94	98	98	110	109	96	88
马钢股份	240	272	224	252	227	268	236	242	201
钒钛股份	34	32	27	33	34	31	30	27	33
中信特钢	205	229	205	199	242	262	242	244	249
河钢股份	279	374	354	293	287	299	284	233	270
中南股份	65	103	100	125	88	103	99	91	82
本钢板材	157	177	134	155	153	154	130	146	152
太钢不锈	208	248	233	258	262	270	260	258	242
鞍钢股份	324	342	318	297	303	287	256	295	283
华菱钢铁	361	387	362	398	368	351	361	405	347
首钢股份	292	298	264	256	275	269	259	283	287
沙钢股份	41	45	40	41	37	34	35	38	35
三钢闽光	116	131	134	107	113	107	101	132	108
久立特材	10	12	13	13	13	16	17	17	17
常宝股份	10	15	15	14	15	14	13	13	11
柳钢股份	227	221	190	177	164	202	192	222	190
重庆钢铁	80	88	83	115	104	107	90	99	79
八一钢铁	51	75	67	37	41	72	63	45	35
金岭矿业	2	3	3	2	2	3	3	3	2
金洲管道	12	15	14	14	11	14	13	12	9
新钢股份	245	247	225	242	227	215	169	87	113
方大特钢	44	74	46	49	39	88	58	63	55
扬子新材	1	1	1	1	1	1	1	1	1
新兴铸管	117	131	107	88	112	119	110	64	87
永兴材料	16	20	19	20	20	20	17	19	19
武进不锈	5	6	7	7	7	8	7	7	6
玉龙股份	27	21	32	24	2	2	5	6	2
合计	4905	5567	5039	4995	4850	5149	4777	4838	4633

资料来源：Wind，HTI

1.3 2024Q1 归母净利环降 104%

2024Q1 成本降幅小于收入降幅，毛利率下降。2023Q4 归母净利润合计为 52.06 亿元，环比下降 47.29%。2024Q1 上市钢企合计归母净利润为-2.20 亿元，环比下降 104%。其中宝钢股份 2023Q4 和 2024Q1 归母净利润分别为 35.94 亿元和 19.26 亿元，环比也是下降。

表 3 上市钢企单季度归母净利（亿元）

	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24
包钢股份	0.16	2.91	1.22	0.62	0.40	0.64
宝钢股份	27.23	18.45	27.07	37.98	35.94	19.26
山东钢铁	2.12	-3.09	0.60	-0.90	-0.60	-6.38
莱钢股份	0.00	0.00	0.00	0.00	0.00	0.00
西宁特钢	-4.35	-2.47	-8.11	-1.09	28.52	-1.91
杭钢股份	-0.16	0.32	0.23	0.30	0.97	0.34
凌钢股份	-6.25	0.46	-1.46	-1.02	-4.80	-3.20
南钢股份	0.85	3.76	6.13	6.76	4.60	5.54
酒钢宏兴	-9.49	0.31	-4.26	0.38	-6.93	-5.19
抚顺特钢	-1.03	0.60	0.97	1.25	0.80	1.15
安阳钢铁	-11.42	-3.72	-4.54	-0.68	-6.60	-4.84
马钢股份	-15.23	-5.09	-17.26	6.38	2.71	-3.11
攀钢钒钛	1.17	3.29	2.74	2.66	1.89	0.68
中信特钢	15.62	14.80	15.59	13.35	13.47	13.60
河钢股份	2.32	2.55	2.56	2.94	2.79	1.59
韶钢松山	-6.28	0.06	-0.03	-1.08	1.54	-3.09
本钢板材	-9.75	0.48	-10.52	-2.41	-4.97	-9.06
太钢不锈	-8.59	-5.92	0.96	1.99	-7.84	0.03
鞍钢股份	-0.37	-1.49	-11.97	-7.69	-11.42	-16.57
华菱钢铁	12.48	6.89	18.80	15.37	9.74	3.92
首钢股份	-6.55	-0.58	4.69	5.40	-2.87	-0.24
沙钢股份	0.27	0.51	0.55	0.59	0.28	0.42
三钢闽光	0.64	-0.66	-1.07	-4.18	-0.76	-1.05
久立特材	4.10	2.33	4.79	3.96	3.81	3.28
常宝股份	1.25	1.99	2.52	1.71	1.61	1.66
柳钢股份	2.49	2.69	-4.13	-3.71	-4.96	0.37
重庆钢铁	-7.48	-1.05	-3.29	-1.58	-9.02	-3.34
八一钢铁	-7.55	-4.67	-3.04	0.32	-4.24	-4.12
金岭矿业	0.04	0.16	0.90	0.70	0.58	0.22
金州管道	0.79	0.63	0.74	0.91	0.56	0.49
新钢股份	-5.10	0.96	1.99	1.81	0.21	-1.56
方大特钢	-1.60	1.08	1.77	3.02	1.02	0.93
扬子新材	0.31	0.11	0.34	-0.42	-1.78	-0.25
新兴铸管	2.98	3.41	4.97	2.51	2.62	1.71
永兴材料	20.49	9.31	9.73	11.49	3.54	4.68
武进不锈	0.72	0.73	1.11	0.89	0.79	0.68
盛德鑫泰	0.26	0.20	0.31	0.21	0.48	0.50
合计	-4.89	50.21	41.62	98.76	52.06	-2.20

资料来源：Wind，HTI

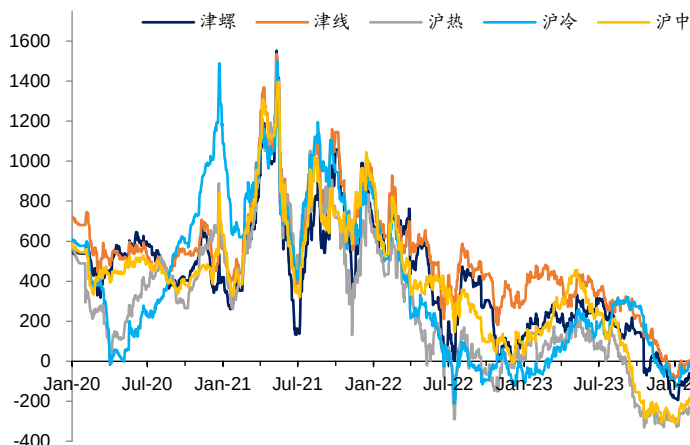
2. 2024Q2 盈利环比好转

2.1 2024Q1 当日现货核算的利润较弱

如果采用当日的钢价、矿价、焦煤价格来核算利润，会发现 2024Q1 吨钢毛利比较弱。但钢企往往有半个月到一个月甚至更久的矿石及焦煤库存，所以实际各家财务核算中往往差别较大。

吨钢毛利随着供需不断波动。在 2024 年 1 月触底反弹，到 4 月底回到这一轮高点，然后又掉头向下。

图1 用澳矿模拟的吨钢毛利（元/吨）

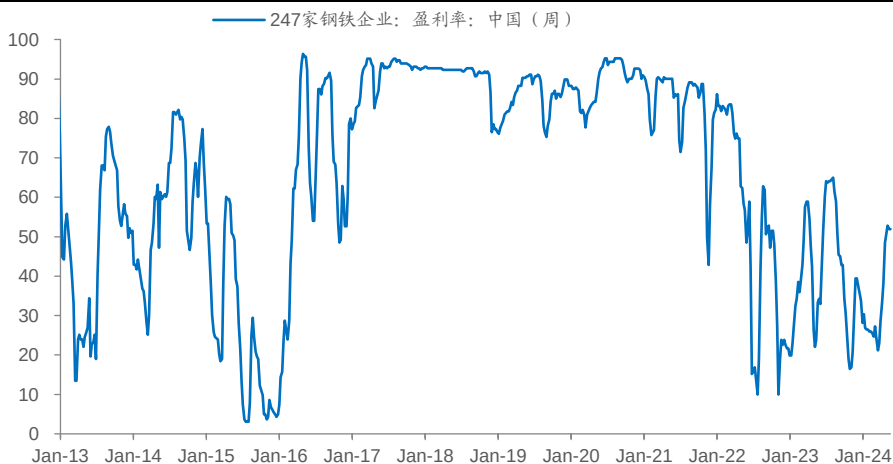


资料来源：Wind, HTI

2.2 Mysteel 调查的钢企盈利率二季度反弹

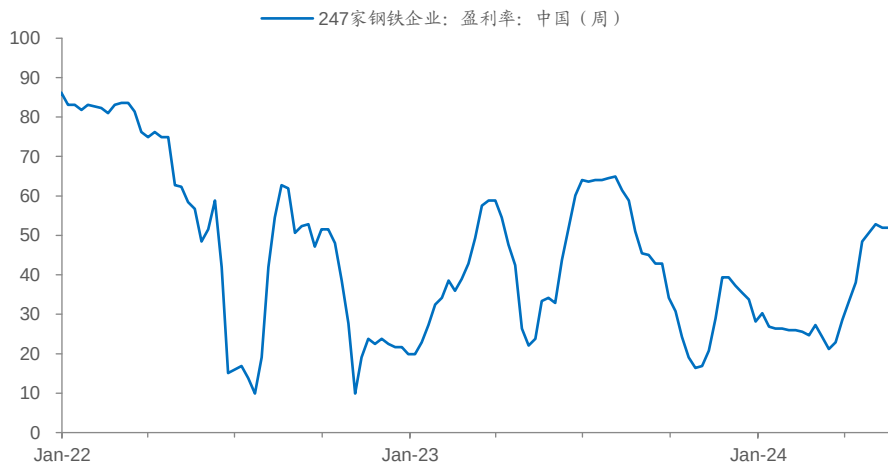
Mysteel 调查的钢企盈利率从 2024 年 3 月 15 日的 21.21% 攀升到 5 月 3 日的 52.81%。二季度钢企盈利率平均看明显高于一季度。

图2 Mysteel 调查的钢企盈利率（%）（2013-2024 年 5 月 17 日）



资料来源：Wind, HTI

图3 Mysteel 调查的钢企盈利率（%）（2022 年至 2024 年 5 月 17 日）



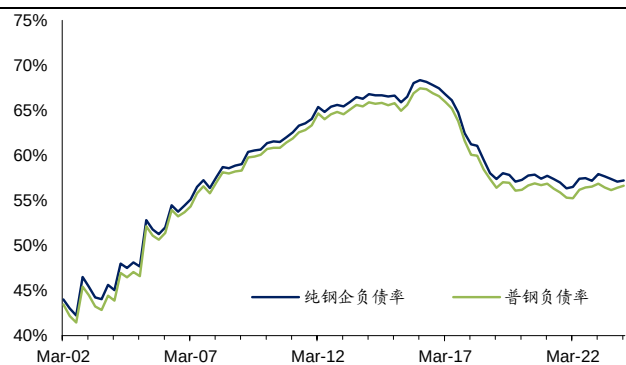
资料来源：Wind, HTI

3. 财务健康

3.1 负债率稳定

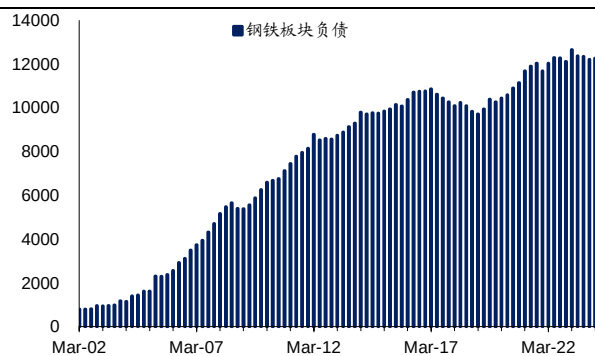
截止 2024Q1，上市钢企合计负债为 12272 亿元，负债率 57.37%，连续几年稳定在该水平，负债率从 2016 年最高点累计下降了约 11 个百分点。

图4 钢铁板块加权负债率



资料来源：Wind, HTI

图5 钢铁板块总负债（亿元）

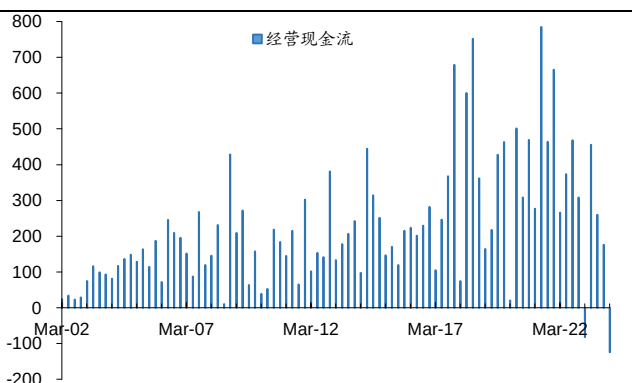


资料来源：Wind, HTI

3.2 2024Q1 经营现金流转负

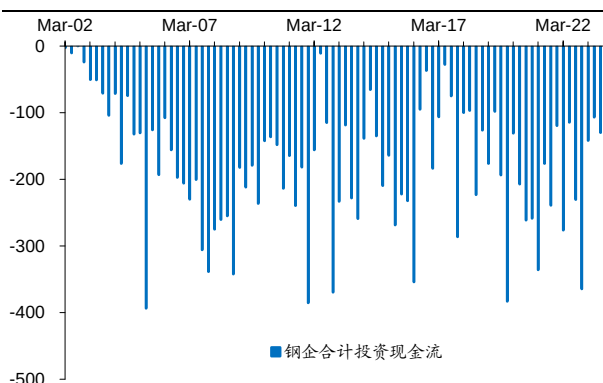
经营活动净现金流史上第二次出现负数。从 2002 年至 2024Q1，共出现两次现金流为负，一次是 2023 年 Q1 为-82 亿元，第二次是 2024Q1 经营现金流为-125 亿元。投资活动仍不少，2021-2023 年，投资活动净现金流分别为 872 亿元、986 亿元、763 亿元。

图6 上市钢企经营净现金流合计（亿元）



资料来源：Wind, HTI

图7 上市钢企投资活动净现金流合计（亿元）

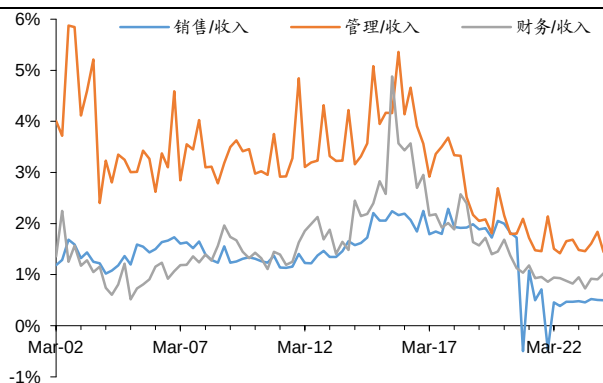


资料来源：Wind, HTI

3.3 期间费用占收入比逐步回落

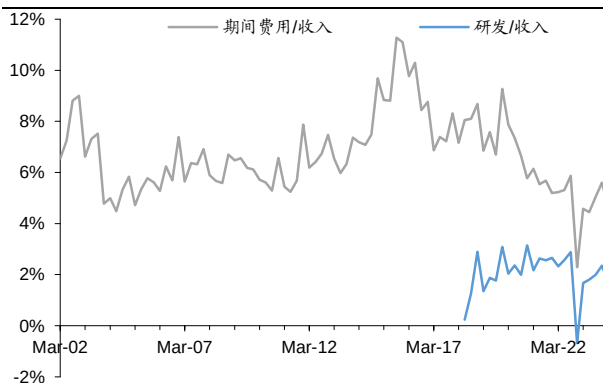
过去 22 年，期间费用占收入的比例逐步下降。2018 年开始研发费用单列，但即使如此，三项费用算上研发占销售收入比例也处于过去 24 年较低水平。研发费用和销售费用波动较大，成为影响业绩的一个重要因素。

图8 单季度三项费用占收入比例



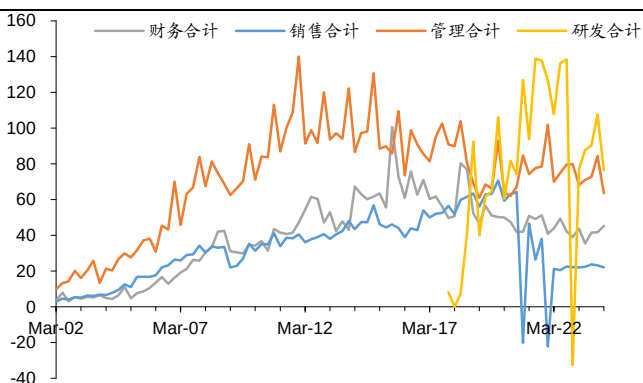
资料来源：Wind, HTI

图9 单季度研发和期间费用占收入比例



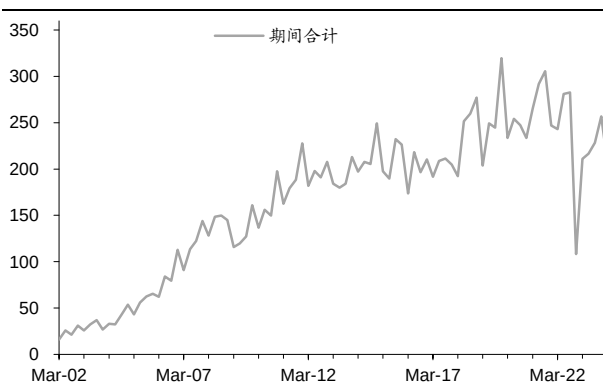
资料来源：Wind, HTI

图10 单季度三项费用（亿元）



资料来源：Wind, HTI

图11 单季度期间费用（亿元）



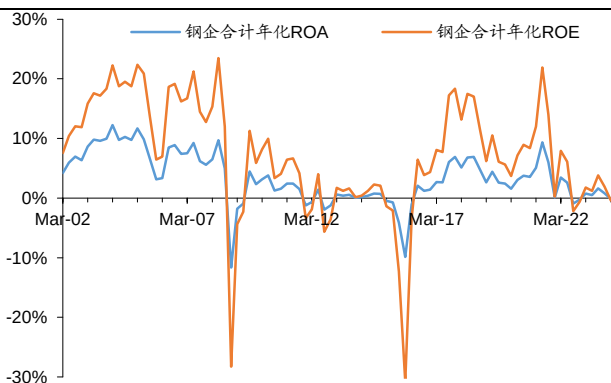
资料来源：Wind, HTI

4. 资产收益率历史均值以下

4.1 特钢 ROE 好于普钢

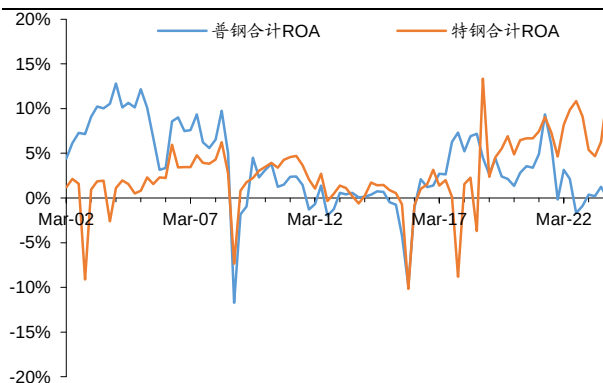
钢铁板块资产收益波动较大。这里用单季度年化，即单季度盈利乘以4来作图。目前钢企整体上处于历史平均水平以下，特钢好于普钢。

图12 钢铁板块 ROA 和 ROE



资料来源：Wind, HTI

图13 普钢和特钢 ROE

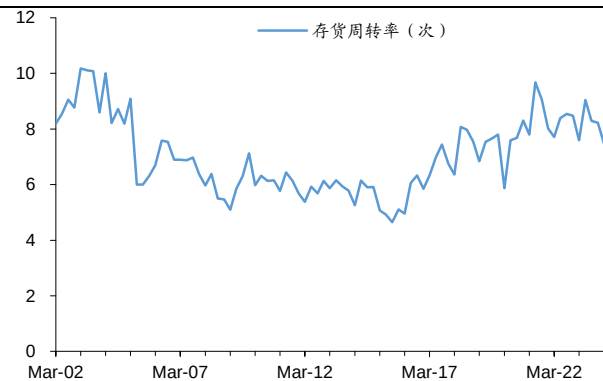


资料来源：Wind, HTI

4.2 存货周转效率提升

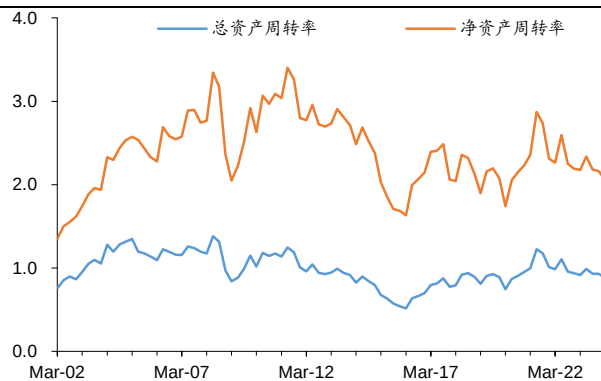
过去十年，存货管理效率提升，周转率从约 6 次提升到 8 次附近。但总资产周转率和净资产周转率有下降趋势。

图14 钢铁板块存货周转率（次）



资料来源：Wind，HTI

图15 钢铁板块总资产和净资产周转率（次）



资料来源：Wind，HTI

5. 出口大增缓解国内压力

5.1 2024Q1 粗钢产量下降 1.9%

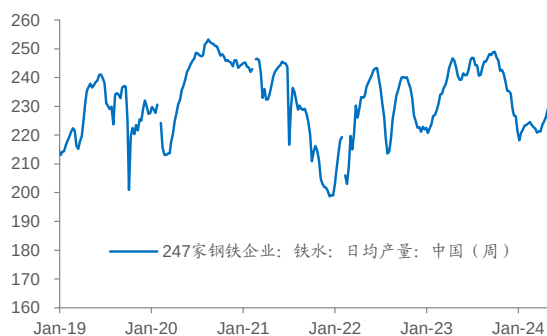
2020 年粗钢产量见顶后，连续两年下降，2024 年 Q1 粗钢产量同比下降 1.9%，仍处于相对高位。

表 4 我国生铁、粗钢、钢材产量增速（%）

	生铁	粗钢	钢材
2020-12-31	4.3	5.2	7.7
2021-12-31	-4.3	-3.0	0.6
2022-12-31	-0.8	-2.1	-0.8
2023-12-31	2.8	1.7	6.1
2024-03-31	-2.9	-1.9	4.4

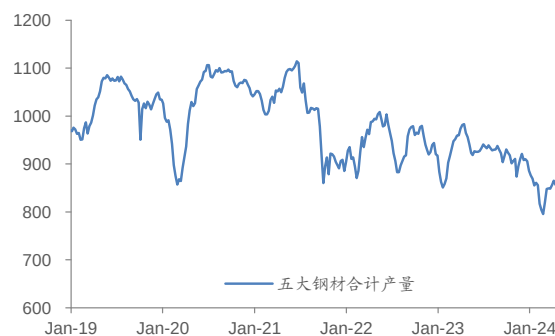
资料来源：Wind，HTI

图16 247 家钢企生铁日均产量（万吨）



资料来源：Wind，HTI

图17 钢材周度产量（万吨）



资料来源：Wind，HTI

5.2 出口消化了多余产量

2024Q1 折合粗钢口径的净出口量约 2498 万吨，净增加 612 万吨，同比增 32.44%。净出口大大消化了国内产能压力。国内钢企盈利较差，迫使钢企不得不寻找对外出口。

表 5 折合粗钢口径的净出口量（万吨）

	坯材净出口（粗钢口径）				
	2020	2021	2022	2023	2024Q1
1 月	280	330	253	569	830
2 月	207	324	217	551	675
3 月	509	581	328	767	994
4 月	512	629	399	807	
5 月	244	305	727	844	
6 月	-56	418	698	737	
7 月	-96	382	565	706	
8 月	-171	308	509	799	
9 月	-180	235	366	778	
10 月	61	219	411	765	
11 月	99	127	497	765	
12 月	279	310	485	765	
合计	1688	4168	5453	8854	2498
增量	-3488	2480	1286	3401	612
同比	-67.39%	146.89%	30.84%	62.36%	32.44%

资料来源：Wind，HTI

5.3 地产对钢材需求的影响仍将持续

地产新开工连续四年下降，2023 年前地产新开工面积 9.54 亿平方米，2024Q1 只有 1.73 亿平，全年估计 7 亿平左右，相比 2019-2021 年平均 21.68 亿平，已经降了约三分之二。

表 6 2018-2024Q1 地产新开工面积和增速（亿平方米）

	地产新开工面积	增速
2018	20.93	17.20%
2019	22.72	8.50%
2020	22.44	-1.20%
2021	19.89	-11.40%
2022	12.06	-39.40%
2023	9.54	-20.40%
2024Q1	1.73	-27.80%

资料来源：Wind，HTI

5.4 2024Q1 年粗钢消费下降

采用粗钢产量、净出口估算国内粗钢表观需求，结果显示 2024Q1，国内粗钢表观消费下降约 4.73%。

表 7 测算 2024Q1 国内粗钢表观消费量及增速（万吨）

	2023 年 Q1	2024Q1
粗钢产量	26156	25655
净出口	1850	2498
国内表观消费	24306	23157
国内表观消费同比		-4.73%

资料来源：Wind，HTI

6. 板块股票估值

6.1 板块与股票估值

以 5 月 16 日收盘价估算，全流程钢企的 PB 大多已经跌破 1x。

表 8 上市钢企估值指标（倍）

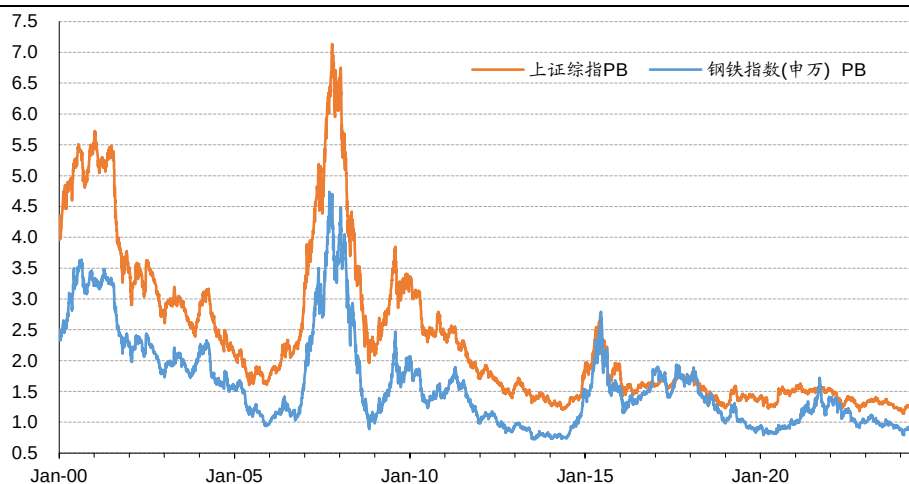
	市值 (亿元)	吨钢市值 (元/吨)	PB (倍)	PE (2023) (倍)	PE (TTM) (倍)
盛德鑫泰	28		2.90	23.21	18.63
金州管道	32		0.95	11.41	11.99
鲁银投资	36		1.21	13.61	13.74
扬子新材	37		1.23	-21.22	-17.61
金岭矿业	38		1.17	16.35	15.97
八一钢铁	47	817	3.37	-4.00	-4.20
凌钢股份	48	881	0.67	-6.99	-4.55
武进不锈	48		1.69	13.77	13.95
安阳钢铁	49	482	0.90	-3.14	-2.93
韶钢松山	52	647	0.59	105.80	-19.50
常宝股份	56		1.03	7.09	7.40
柳钢股份	75	401	0.84	-7.37	-6.00
西宁特钢	81	10933	1.56	4.79	4.64
酒钢宏兴	82	911	0.85	-7.81	-5.13
三钢闽光	86	763	0.42	-12.85	-12.14
沙钢股份	94	2608	1.44	48.55	50.93
方大特钢	97	2256	1.04	14.08	14.37
重庆钢铁	106	1032	0.54	-7.10	-6.16
新钢股份	117	1026	0.44	23.57	47.71
广钢股份	119		1.28	15.59	16.09
本钢板材	121	1073	0.75	-6.95	-4.49
抚顺特钢	129	19084	1.98	35.70	31.05
山东钢铁	135	908	0.66	-33.74	-18.52
新兴铸管	152	1706	0.59	11.22	12.84
马钢股份	159	758	0.58	-11.98	-14.09
杭钢股份	165	3469	0.82	90.62	89.51
鞍钢股份	203	761	0.38	-6.22	-4.25
太钢不锈	217	1558	0.65	-20.06	-44.65
河钢股份	226	833	0.39	20.89	22.91
首钢股份	246	1005	0.50	36.99	35.18
永兴材料	246	76989	1.86	7.22	8.36
久立特材	256		3.48	17.18	16.15
南钢股份	319	2898	1.19	15.00	13.84
华菱钢铁	345	1228	0.64	6.79	7.21
包钢股份	722	4750	1.39	140.11	250.58
中信特钢	807	4272	2.02	14.11	14.41
宝钢股份	1531	2897	0.76	12.82	12.73

资料来源：Wind, HTI

6.2 钢铁板块历史 PB 走势

从过去 24 年钢铁板块（申万）PB 走势看，目前钢铁板块 PB 估值已经位于底部区域。注意这个 PB 与我们前面自己计算的 PB 有差别，主要是包含的公司样本不一样。

图18 上证与钢铁指数（申万）PB 走势（倍）



资料来源：Mysteel, HTI

6.3 国际大钢企估值比较

表 9 国企大钢企估值比较

2024-5-15	产量 排名	22 年产量 (万吨)	国家&地区	代码	货币	股价 (元)	PB (MRQ) (倍)	PE (TTM) (倍)	PE (LYR) (倍)	市值 (亿元)
宝钢股份	2	5000	中国	600019.SH	人民币	6.92	0.759	12.73	12.82	1531
中信特钢	30	1500	中国	000708.SZ	人民币	15.99	2.042	14.41	14.11	807
神户制钢	80	650	日本	5406.T	日元	1918	0.731	5.64	10.47	347
日本 JFE	14	2685	日本	5411.T	日元	2316	0.601	7.50	7.50	676
新日铁住金	4	4900	日本	5401.T	日元	3316	0.672	5.10	4.54	1439
现代钢铁	20	1800	韩国	004020.KS	韩元	32050	0.224	9.27	9.27	224
浦项钢铁	6	4300	韩国	PKX.N	美元	75.09	0.602	19.21	19.21	1805
台湾中钢	26	1600	中国台湾	2002.TW	新台币	24.75	1.275	239.20	239.20	872
西王特钢	300	300	中国香港	1266.HK	港币	0.01	0.005	-0.02	-0.02	0
中国东方集团	58	800	中国香港	0581.HK	港币	1.06	0.161	-22.39	-22.39	36
奥钢联	55	740	欧洲	VOE.VI	克朗	25.68	0.612	4.32	4.32	355
瑞典钢铁	50	820	欧洲	SSABA.ST	克朗	63.78	0.479	2.40	2.40	232
蒂森克虏伯	39	1200	欧洲	TKA.DF	欧元	4.93	0.285	9.41	2.70	237
安米	1	8000	欧洲等	MT.N	美元	25.91	0.393	23.10	23.10	1508
京德勒	19	1900	印度	JSWSTEEL.NS	卢比	240.20	0.790	14.10	14.10	498
塔塔钢铁	13	3100	印度	TTST.L	美元	19.70	22.609	230.21	227.05	17213
金尔达		800	印度							
钢铁动力	46	1000	美国	STLD.O	美元	136.93	2.372	8.97	8.78	1529
克利夫兰	23	1630	美国	CLF.N	美元	17.88	1.181	21.85	21.31	604
美国钢铁	24	1630	美国	X.N	美元	38.23	0.768	9.91	9.60	611
纽柯钢铁	15	2560	美国	NUE.N	美元	176.21	2.042	10.02	9.37	3002
盖尔道集团	30	1200	巴西	GGB.N	美元	3.86	0.216	1.49	1.49	165
盖尔道集团	30	1200	巴西	GGBR4.SA	雷亚尔	19.85	0.223	1.55	1.55	164
米纳斯吉拉斯				USIM5.SA	雷亚尔	7.93	0.000	0.00	0.00	0
耶弗拉兹	29	1300	俄罗斯	EVR.L	便士	81.00	0.262	0.79	0.53	106
俄马钢 (MMK)	27	1350	俄罗斯	MMK.L	美元	2.00	0.273	0.55	0.55	122
MMK	27	1350	俄罗斯	MAGN.MCX	卢布	58.12	1.385	2.80	2.80	511
新利佩茨克	21	1700	俄罗斯	NLMK.L	美元	6.81	0.636	0.81	0.81	290
埃雷利	48	900	土耳其	EREGL.IS	新里拉	44.92	5.374	49.09	49.09	360

资料来源：Wind, HTI

从全球比较看，A股钢企PB估值处于中游水平，较贵的有美国和中国台湾地区，欧洲和俄罗斯钢企估值明显较低。

7. 个股推荐

关注宝钢股份、华菱钢铁、南钢股份、中信特钢、首钢股份等。

8. 风险提示

政策风险、外部风险等。

APPENDIX 1

Summary

Investment Highlights:

Q1 2024 saw a greater decline in revenue than in costs, reducing gross profit margins. Listed steel companies' revenues fell with steel prices. Q4 2023 revenues totaled RMB 509.8 billion, down 0.77% from Q3; Q1 2024 revenues were RMB 483.6 billion, down 5.14% from Q4. Costs were RMB 463.3 billion, down 4.24% from Q4. The sector's net profit attributable to shareholders dropped by 104% in Q1 2024. Baoshan Iron & Steel's net profits were RMB 3.59 billion in Q4 2023 and RMB 1.93 billion in Q1 2024, both declining.

Steel sector profits improved in Q2 2024. Profit margins fluctuated with supply and demand, peaking in April before falling. According to Mysteel, profit margins climbed from 21.21% on March 15 to 52.81% on May 3. Q2 profits were significantly higher than in Q1.

Financial health remained stable. As of Q1 2024, total liabilities for listed steel companies were RMB 1,227.2 billion, with a debt ratio of 57.37%, down approximately 11 percentage points from its peak in 2016. Operating cash flows were negative for the second time in history, with Q1 2023 at -RMB 8.2 billion and Q1 2024 at -RMB 12.5 billion. Investing activities continued, with net cash flows of RMB 87.2 billion, RMB 98.6 billion, and RMB 76.3 billion from 2021 to 2023. R&D and sales expenses varied significantly, impacting performance.

ROE and ROA were low. Special steel outperformed general steel. Inventory turnover improved from about 6 to nearly 8 times over the past decade but has recently declined. Total asset and equity turnover rates remained mid-range.

Domestic steel supply faced pressure from exports. Q1 2024 net steel exports were approximately 24.98 million tons, a 32.44% YoY increase, alleviating domestic capacity pressure. Domestic crude steel apparent consumption fell by 4.73% in Q1 2024.

Sector valuation: As of May 16, 2024, most listed steel companies' PB ratios were below 1x. Globally, A-Shares steel companies' PB ratios were mid-range, with higher valuations in the USA and Taiwan, and lower in Europe and Russia.

Investment advice: Focus on Baoshan Iron & Steel, Hunan Valin Steel, Nanjing Iron & Steel, CITIC Pacific Special Steel Group, and Beijing Shougang.

Risk Warning: Policy and external risks.

附录 APPENDIX

重要信息披露

本研究报告由海通国际分销，海通国际是由海通国际研究有限公司 (HTIRL)，Haitong Securities India Private Limited (HSIPL)，Haitong International Japan K.K. (HTIJKK) 和海通国际证券有限公司 (HTISCL) 的证券研究团队所组成的全球品牌，海通国际证券集团 (HTISG) 各成员分别在其许可的司法管辖区内从事证券活动。

IMPORTANT DISCLOSURES

This research report is distributed by Haitong International, a global brand name for the equity research teams of Haitong International Research Limited ("HTIRL"), Haitong Securities India Private Limited ("HSIPL"), Haitong International Japan K.K. ("HTIJKK"), Haitong International Securities Company Limited ("HTISCL"), and any other members within the Haitong International Securities Group of Companies ("HTISG"), each authorized to engage in securities activities in its respective jurisdiction.

HTIRL 分析师认证 Analyst Certification:

我，刘彦奇，在此保证 (i) 本研究报告中的意见准确反映了我们对本研究中提及的任何或所有目标公司或上市公司的个人观点，并且 (ii) 我的报酬中没有任何部分与本研究报告中表达的具体建议或观点直接或间接相关；及就此报告中所讨论目标公司的证券，我们（包括我们的家属）在其中均不持有任何财务利益。我和我的家属（我已经告知他们）将不会在本研究报告发布后的 3 个工作日内交易此研究报告所讨论目标公司的证券。I, Yanqi Liu, certify that (i) the views expressed in this research report accurately reflect my personal views about any or all of the subject companies or issuers referred to in this research and (ii) no part of my compensation was, is or will be directly or indirectly related to the specific recommendations or views expressed in this research report; and that I (including members of my household) have no financial interest in the security or securities of the subject companies discussed. I and my household, whom I have already notified of this, will not deal in or trade any securities in respect of the issuer that I review within 3 business days after the research report is published.

利益冲突披露 Conflict of Interest Disclosures

海通国际及其某些关联公司可从事投资银行业务和/或对本研究中的特定股票或公司进行做市或持有自营头寸。就本研究报告而言，以下是有关该等关系的披露事项（以下披露不能保证及时无遗漏，如需了解及时全面信息，请发邮件至 ERD-Disclosure@htisec.com）

HTI and some of its affiliates may engage in investment banking and /or serve as a market maker or hold proprietary trading positions of certain stocks or companies in this research report. As far as this research report is concerned, the following are the disclosure matters related to such relationship (As the following disclosure does not ensure timeliness and completeness, please send an email to ERD-Disclosure@htisec.com if timely and comprehensive information is needed).

评级定义（从 2020 年 7 月 1 日开始执行）：

海通国际（以下简称“HTI”）采用相对评级系统来为投资者推荐我们覆盖的公司：优于大市、中性或弱于大市。投资者应仔细阅读 HTI 的评级定义。并且 HTI 发布分析师观点的完整信息，投资者应仔细阅读全文而非仅看评级。在任何情况下，分析师的评级和研究都不能作为投资建议。投资者的买卖股票的决策应基于各自情况（比如投资者的现有持仓）以及其他因素。

分析师股票评级

优于大市，未来 12-18 个月内预期相对基准指数涨幅在 10% 以上，基准定义如下

中性，未来 12-18 个月内预期相对基准指数变化不大，基准定义如下。根据 FINRA/NYSE 的评级分布规则，我们会将中性评级划入持有这一类别。

弱于大市，未来 12-18 个月内预期相对基准指数跌幅在 10% 以上，基准定义如下

各地股票基准指数：日本 - TOPIX，韩国 - KOSPI，台湾 - TAIEX，印度 - Nifty100，美国 - SP500；其他所有中国概念股 - MSCI China.

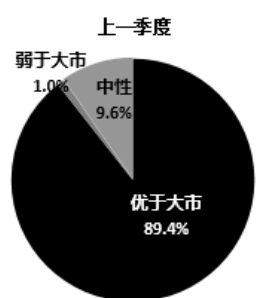
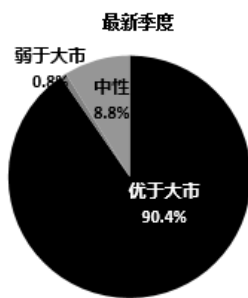
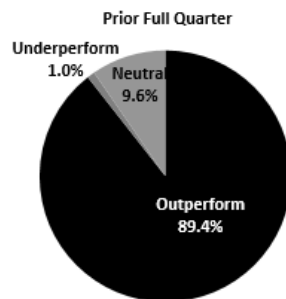
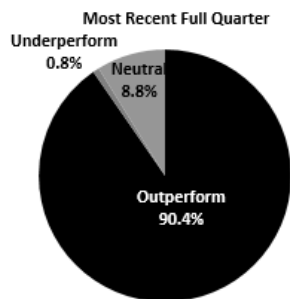
Ratings Definitions (from 1 Jul 2020):

Haitong International uses a relative rating system using Outperform, Neutral, or Underperform for recommending the stocks we cover to investors. Investors should carefully read the definitions of all ratings used in Haitong International Research. In addition, since Haitong International Research contains more complete information concerning the analyst's views, investors should carefully read Haitong International Research, in its entirety, and not infer the contents from the rating alone. In any case, ratings (or research) should not be used or relied upon as investment advice. An investor's decision to buy or sell a stock should depend on individual circumstances (such as the investor's existing holdings) and other considerations.

Analyst Stock Ratings

Outperform: The stock's total return over the next 12-18 months is

评级分布 Rating Distribution



expected to exceed the return of its relevant broad market benchmark, as indicated below.

Neutral: The stock's total return over the next 12-18 months is expected to be in line with the return of its relevant broad market benchmark, as indicated below. For purposes only of FINRA/NYSE ratings distribution rules, our Neutral rating falls into a hold rating category.

Underperform: The stock's total return over the next 12-18 months is expected to be below the return of its relevant broad market benchmark, as indicated below.

Benchmarks for each stock's listed region are as follows: Japan – TOPIX, Korea – KOSPI, Taiwan – TAIEX, India – Nifty100, US – SP500; for all other China-concept stocks – MSCI China.

截至 2024 年 3 月 31 日海通国际股票研究评级分布

	优于大市	中性 (持有)	弱于大市
海通国际股票研究覆盖率	90.4%	8.8%	0.8%
投资银行客户*	3.3%	4.9%	0.0%

*在每个评级类别里投资银行客户所占的百分比。

上述分布中的买入，中性和卖出分别对应我们当前优于大市，中性和落后大市评级。

只有根据 FINRA/NYSE 的评级分布规则，我们才将中性评级划入持有这一类别。请注意在上表中不包含非评级的股票。

此前的评级系统定义（直至 2020 年 6 月 30 日）：

买入，未来 12-18 个月内预期相对基准指数涨幅在 10%以上，基准定义如下

中性，未来 12-18 个月内预期相对基准指数变化不大，基准定义如下。根据 FINRA/NYSE 的评级分布规则，我们会将中性评级划入持有这一类别。

卖出，未来 12-18 个月内预期相对基准指数跌幅在 10%以上，基准定义如下

各地股票基准指数：日本 – TOPIX，韩国 – KOSPI，台湾 – TAIEX，印度 – Nifty100；其他所有中国概念股 – MSCI China.

Haitong International Equity Research Ratings Distribution, as of March 31, 2024

	Outperform	Neutral (hold)	Underperform
HTI Equity Research Coverage	90.4%	8.8%	0.8%
IB clients*	3.3%	4.9%	0.0%

*Percentage of investment banking clients in each rating category.

BUY, Neutral, and SELL in the above distribution correspond to our current ratings of Outperform, Neutral, and Underperform.

For purposes only of FINRA/NYSE ratings distribution rules, our Neutral rating falls into a hold rating category. Please note that stocks with an NR designation are not included in the table above.

Previous rating system definitions (until 30 Jun 2020):

BUY: The stock's total return over the next 12-18 months is expected to exceed the return of its relevant broad market benchmark, as indicated below.

NEUTRAL: The stock's total return over the next 12-18 months is expected to be in line with the return of its relevant broad market benchmark, as indicated below. For purposes only of FINRA/NYSE ratings distribution rules, our Neutral rating falls into a hold rating category.

SELL: The stock's total return over the next 12-18 months is expected to be below the return of its relevant broad market benchmark, as indicated below.

Benchmarks for each stock's listed region are as follows: Japan – TOPIX, Korea – KOSPI, Taiwan – TAIEX, India – Nifty100; for all other China-concept stocks – MSCI China.

海通国际非评级研究：海通国际发布计量、筛选或短篇报告，并在报告中根据估值和其他指标对股票进行排名，或者基于可能的估值倍数提出建议价格。这种排名或建议价格并非为了进行股票评级、提出目标价格或进行基本面估值，而仅供参考使用。

Haitong International Non-Rated Research: Haitong International publishes quantitative, screening or short reports which may rank stocks according to valuation and other metrics or may suggest prices based on possible valuation multiples. Such rankings or suggested prices do not purport to be stock ratings or target prices or fundamental values and are for information only.

海通国际 A 股覆盖：海通国际可能会就沪港通及深港通的中国 A 股进行覆盖及评级。海通证券（600837.CH），海通国际于上海的母公司，也会于中国发布中国 A 股的研究报告。但是，海通国际使用与海通证券不同的评级系统，所以海通国际与海通证券的中国 A 股评级可能有所不同。

Haitong International Coverage of A-Shares: Haitong International may cover and rate A-Shares that are subject to the Hong Kong Stock Connect scheme with Shanghai and Shenzhen. Haitong Securities (HS; 600837 CH), the ultimate parent company of HTISG based in Shanghai, covers and publishes research on these same A-Shares for distribution in mainland China. However, the rating system employed by HS differs from that used by HTI and as a result there may be a difference in the HTI and HS ratings for the same A-share stocks.

海通国际优质 100 A 股（Q100）指数：海通国际 Q100 指数是一个包括 100 支由海通证券覆盖的优质中国 A 股的计量产品。这些股票是通过基于质量的筛选过程，并结合对海通证券 A 股团队自下而上的研究。海通国际每季对 Q100 指数成分作出复审。

Haitong International Quality 100 A-share (Q100) Index: HTI's Q100 Index is a quant product that consists of 100 of the highest-quality A-shares under coverage at HS in Shanghai. These stocks are carefully selected through a quality-based screening process in combination with a review of the HS A-share team's bottom-up research. The Q100 constituent companies are reviewed quarterly.

盟浪义利 (FIN-ESG) 数据通免责声明条款：在使用盟浪义利 (FIN-ESG) 数据之前，请务必仔细阅读本条款并同意本声明：

第一条 义利 (FIN-ESG) 数据系由盟浪可持续数字科技有限责任公司（以下简称“本公司”）基于合法取得的公开信息评估而成，本公司对信息的准确性及完整性不作任何保证。对公司评估结果造成的任何直接或间接损失负责。

第二条 盟浪并不因收到此评估数据而将收件人视为客户，收件人使用此数据时应根据自身实际情况作出自我独立判断。本数据所载内容反映的是盟浪在最初发布本数据日期当日的判断，盟浪有权在不发出通知的情况下更新、修订与发出其他与本数据所载内容不一致或有不同结论的数据。除非另行说明，本数据（如财务业绩数据等）仅代表过往表现，过往的业绩表现不作为日后回报的预测。

第三条 本数据版权归本公司所有，本公司依法保留各项权利。未经本公司事先书面许可授权，任何个人或机构不得将本数据中的评估结果用于任何营利性目的，不得对本数据进行修改、复制、编译、汇编、再次编辑、改编、删减、缩写、节选、发行、出租、展览、表演、放映、广播、信息网络传播、摄制、增加图标及说明等，否则因此给盟浪或其他第三方造成损失的，由用户承担相应的赔偿责任，盟浪不承担责任。

第四条 如本免责声明未约定，而盟浪网站平台载明的其他协议内容（如《盟浪网站用户注册协议》《盟浪网用户服务（含认证）协议》《盟浪网隐私政策》等）有约定的，则按其他协议的约定执行；若本免责声明与其他协议约定存在冲突或不一致的，则以本免责声明约定为准。

SusallWave FIN-ESG Data Service Disclaimer: Please read these terms and conditions below carefully and confirm your agreement and acceptance with these terms before using SusallWave FIN-ESG Data Service.

1. FIN-ESG Data is produced by SusallWave Digital Technology Co., Ltd. (In short, SusallWave)'s assessment based on legal publicly accessible information. SusallWave shall not be responsible for any accuracy and completeness of the information. The assessment result is for reference only. It is not for any investment advice for any individual or institution and not for basis of purchasing, selling or holding any relative financial products. We will not be liable for any direct or indirect loss of any individual or institution as a result of using SusallWave FIN-ESG Data.

2. SusallWave do not consider recipients as customers for receiving these data. When using the data, recipients shall make your own independent judgment according to your practical individual status. The contents of the data reflect the judgment of us only on the release day. We have right to update and amend the data and release other data that contains inconsistent contents or different conclusions without notification. Unless expressly stated, the data (e.g., financial performance data) represents past performance only and the past performance cannot be viewed as the prediction of future return.

3. The copyright of this data belongs to SusallWave, and we reserve all rights in accordance with the law. Without the prior written permission of our company, none of individual or institution can use these data for any profitable purpose. Besides, none of individual or institution can take actions such as amendment, replication, translation, compilation, re-editing, adaption, deletion, abbreviation, excerpts, issuance, rent, exhibition, performance, projection, broadcast, information network transmission, shooting, adding icons and instructions. If any loss of SusallWave or any third-party is caused by those actions, users shall bear the corresponding compensation liability. SusallWave shall not be responsible for any loss.

4. If any term is not contained in this disclaimer but written in other agreements on our website (e.g. User Registration Protocol of SusallWave Website, User Service (including authentication) Agreement of SusallWave Website, Privacy Policy of SusallWave Website), it should be executed according to other agreements. If there is any difference between this disclaimer and other agreements, this disclaimer shall be applied.

重要免责声明：

非印度证券的研究报告：本报告由海通国际证券集团有限公司（“HTISGL”）的全资附属公司海通国际研究有限公司（“HTIRL”）发行，该公司是根据香港证券及期货条例（第571章）持有第4类受规管活动（就证券提供意见）的持牌集团。该研究报告在 HTISGL 的全资附属公司 Haitong International (Japan) K.K.（“HTIJKK”）的协助下发行，HTIJKK 是由日本关东财务局监管为投资顾问。

印度证券的研究报告：本报告由从事证券交易、投资银行及证券分析及受 Securities and Exchange Board of India (“SEBI”) 监管的 Haitong Securities India Private Limited (“HTSIPL”) 所发行，包括制作及发布涵盖 BSE Limited (“BSE”) 和 National Stock Exchange of India Limited (“NSE”) 上市公司（统称为「印度交易所」）的研究报告。HTSIPL 于 2016 年 12 月 22 日被收购并成为海通国际证券集团有限公司（“HTISG”）的一部分。

所有研究报告均以海通国际为名作为全球品牌，经许可由海通国际证券股份有限公司及/或海通国际证券集团的其他成员在其司法管辖区发布。

本文件所载信息和观点已被编译或源自可靠来源，但 HTIRL、HTISGL 或任何其他属于海通国际证券集团有限公司（“HTISG”）的成员对其准确性、完整性和正确性不做任何明示或暗示的声明或保证。本文件中所有观点均截至本报告日期，如有更改，恕不另行通知。本文件仅供参考使用。文件中提及的任何公司或其股票的说明并非意图展示完整的内容，本文件并非/不应被解释为对证券买卖的明示或暗示地出价或征价。在某些司法管辖区，本文件中提及的证券可能无法进行买卖。如果投资产品以投资者本国货币以外的币种进行计价，则汇率变化可能会对投资产生不利影响。过去的表现并不一定代表将来的结果。某些特定交易，包括设计金融衍生工具的，有产生重大风险的可能性，因此并不适合所有的投资者。您还应认识到本文件中的建议并非为您量身定制。分析师并未考虑到您自身的财务情况，如您的财务状况和风险偏好。因此您必须自行分析并在适用的情况下咨询自己的法律、税收、会计、金融和其他方面的专业顾问，以期在投资之前评估该项建议是否适合于您。若由于使用本文件所载的材料而产生任何直接或间接的损失，HTISG 及其董事、雇员或代理人对此均不承担任何责任。

除对本文内容承担责任的分析师外，HTISG 及我们的关联公司、高级管理人员、董事和雇员，均可不时作为主事人就本文件所述的任何证券或衍生品持有长仓或短仓以及进行买卖。HTISG 的销售员、交易员和其他专业人士均可向 HTISG 的相关客户和公司提供与本文件所述意见相反的口头或书面市场评论意见或交易策略。HTISG 可做出与本文件所述建议或意见不一致的投资决策。但 HTIRL 没有义务来确保本文件的收件人了解到该等交易决定、思路或建议。

请访问海通国际网站 www.equities.htisec.com，查阅更多有关海通国际为预防和避免利益冲突设立的组织 and 行政安排的内容信息。

非美国分析师披露信息： 本项研究首页上列明的海通国际分析师并未在 FINRA 进行注册或者取得相应的资格，并且不受美国 FINRA 有关与本项研究目标公司进行沟通、公开露面和自营证券交易的第 2241 条规则之限制。

IMPORTANT DISCLAIMER

For research reports on non-Indian securities: The research report is issued by Haitong International Research Limited ("HTIRL"), a wholly owned subsidiary of Haitong International Securities Group Limited ("HTISGL") and a licensed corporation to carry on Type 4 regulated activity (advising on securities) for the purpose of the Securities and Futures Ordinance (Cap. 571) of Hong Kong, with the assistance of Haitong International (Japan) K.K. ("HTIJKK"), a wholly owned subsidiary of HTISGL and which is regulated as an Investment Adviser by the Kanto Finance Bureau of Japan.

For research reports on Indian securities: The research report is issued by Haitong Securities India Private Limited ("HSIPL"), an Indian company and a Securities and Exchange Board of India ("SEBI") registered Stock Broker, Merchant Banker and Research Analyst that, inter alia, produces and distributes research reports covering listed entities on the BSE Limited ("BSE") and the National Stock Exchange of India Limited ("NSE") (collectively referred to as "Indian Exchanges"). HSIPL was acquired and became part of the Haitong International Securities Group of Companies ("HTISG") on 22 December 2016.

All the research reports are globally branded under the name Haitong International and approved for distribution by Haitong International Securities Company Limited ("HTISCL") and/or any other members within HTISG in their respective jurisdictions.

The information and opinions contained in this research report have been compiled or arrived at from sources believed to be reliable and in good faith but no representation or warranty, express or implied, is made by HTIRL, HTISCL, HSIPL, HTIJKK or any other members within HTISG from which this research report may be received, as to their accuracy, completeness or correctness. All opinions expressed herein are as of the date of this research report and are subject to change without notice. This research report is for information purpose only. Descriptions of any companies or their securities mentioned herein are not intended to be complete and this research report is not, and should not be construed expressly or impliedly as, an offer to buy or sell securities. The securities referred to in this research report may not be eligible for purchase or sale in some jurisdictions. If an investment product is denominated in a currency other than an investor's home currency, a change in exchange rates may adversely affect the investment. Past performance is not necessarily indicative of future results. Certain transactions, including those involving derivatives, give rise to substantial risk and are not suitable for all investors. You should also bear in mind that recommendations in this research report are not tailor-made for you. The analyst has not taken into account your unique financial circumstances, such as your financial situation and risk appetite. You must, therefore, analyze and should, where applicable, consult your own legal, tax, accounting, financial and other professional advisers to evaluate whether the recommendations suits you before investment. Neither HTISG nor any of its directors, employees or agents accepts any liability whatsoever for any direct or consequential loss arising from any use of the materials contained in this research report.

HTISG and our affiliates, officers, directors, and employees, excluding the analysts responsible for the content of this document, will from time to time have long or short positions in, act as principal in, and buy or sell, the securities or derivatives, if any, referred to in this research report. Sales, traders, and other professionals of HTISG may provide oral or written market commentary or trading strategies to the relevant clients and the companies within HTISG that reflect opinions that are contrary to the opinions expressed in this research report. HTISG may make investment decisions that are inconsistent with the recommendations or views expressed in this research report. HTI is under no obligation to ensure that such other trading decisions, ideas or recommendations are brought to the attention of any recipient of this research report.

Please refer to HTI's website www.equities.htisec.com for further information on HTI's organizational and administrative arrangements set up for the prevention and avoidance of conflicts of interest with respect to Research.

Non U.S. Analyst Disclosure: The HTI analyst(s) listed on the cover of this Research is (are) not registered or qualified as a research analyst with FINRA and are not subject to U.S. FINRA Rule 2241 restrictions on communications with companies that are the subject of the Research; public appearances; and trading securities by a research analyst.

分发和地区通知：

除非下文另有规定，否则任何希望讨论本报告或者就本项研究中讨论的任何证券进行任何交易的收件人均应联系其所在国家或地区的海通国际销售人员。

香港投资者的通知事项： 海通国际证券股份有限公司 ("HTISCL") 负责分发该研究报告，HTISCL 是在香港有权实施第 1 类受规管活动 (从事证券交易) 的持牌公司。该研究报告并不构成《证券及期货条例》(香港法例第 571 章) (以下简称 "SFO") 所界定的要约邀请，证券要约或公众要约。本研究报告仅提供给 SFO 所界定的 "专业投资者"。本研究报告未经过证券及期货事务监察委员会的审查。您不应仅根据本研究报告中所载的信息做出投资决定。本研究报告的收件人就研究报告中产生或与之相关的任何事宜请联系 HTISCL 销售人员。

美国投资者的通知事项： 本研究报告由 HTIRL, HSIPL 或 HTIJKK 编写。HTIRL, HSIPL, HTIJKK 以及任何非 HTISG 美国联营公司，均未在美国注册，因此不受美国关于研究报告编制和研究分析人员独立性规定的约束。本研究报告提供给依照 1934 年 "美国证券交易法" 第 15a-6 条规定的豁免注册的 "美国主要机构投资者" ("Major U.S. Institutional Investor") 和 "机构投资者" ("U.S. Institutional Investors")。在向美国机构投资者分发研究报告时，Haitong International Securities (USA) Inc. ("HTI USA") 将对报告的内容负责。任何收到本研究报告的美国投资者，希望根据本研究报告提供的信息进行任何证券或相关金融工具买卖的交易，只能通过 HTI USA。HTI USA 位于 340 Madison Avenue, 12th Floor, New York, NY 10173, 电话 (212) 351-6050。HTI USA 是在美国于 U.S. Securities and Exchange Commission ("SEC") 注册的经纪商，也是 Financial Industry Regulatory Authority, Inc. ("FINRA") 的成员。HTIUSA 不负责编写本研究报告，也不负责其中包含的分析。在任何情况下，收到本研究报告的任何美国投资者，不得直接与分析师直接联系，也不得通过 HSIPL, HTIRL 或 HTIJKK 直接进行买卖证券或相关金融工具的交易。本研究报告中出现的 HSIPL, HTIRL 或 HTIJKK 分析师没有注册或具备 FINRA 的研究分析师资格，因此可能不受 FINRA 第 2241 条规定的与目标公司的交流，公开露面和分析师账户持有的交易证券等限制。投资本研究报告中讨论的任何非美国证券或相关金融工具 (包括 ADR) 可能存在一定风险。非美国发行的证券可能没有注册，或不受美国法规的约束。有关非美国证券或相关金融工具的信息可能有限制。外国公司可能不受审计和汇报的标准以及与美国境内生效相符的监管要求。本研究报告中以美元以外的其他货币计价的任何证券或相关金融工具的投资或收益的价值受汇率波动的影响，可能对该等证券或相关金融工具的价值或收入产生正面或负面影响。美国收件人的所有问询请联系：

Haitong International Securities (USA) Inc.

340 Madison Avenue, 12th Floor

New York, NY 10173

联系人电话：(212) 351 6050

DISTRIBUTION AND REGIONAL NOTICES

Except as otherwise indicated below, any Recipient wishing to discuss this research report or effect any transaction in any security discussed in HTI's research should contact the Haitong International salesperson in their own country or region.

Notice to Hong Kong investors: The research report is distributed by Haitong International Securities Company Limited ("HTISCL"), which is a licensed corporation to carry on Type 1 regulated activity (dealing in securities) in Hong Kong. This research report does not constitute a solicitation or an offer of securities or an invitation to the public within the meaning of the SFO. This research report is only to be circulated to "Professional Investors" as defined in the SFO. This research report has not been reviewed by the Securities and Futures Commission. You should not make investment decisions solely on the basis of the information contained in this research report. Recipients of this research report are to contact HTISCL salespersons in respect of any matters arising from, or in connection with, the research report.

Notice to U.S. investors: As described above, this research report was prepared by HTIRL, HSIPL or HTIUKK. Neither HTIRL, HSIPL, HTIUKK, nor any of the non U.S. HTISG affiliates is registered in the United States and, therefore, is not subject to U.S. rules regarding the preparation of research reports and the independence of research analysts. This research report is provided for distribution to "major U.S. institutional investors" and "U.S. institutional investors" in reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended. When distributing research reports to "U.S. institutional investors," HTI USA will accept the responsibilities for the content of the reports. Any U.S. recipient of this research report wishing to effect any transaction to buy or sell securities or related financial instruments based on the information provided in this research report should do so only through Haitong International Securities (USA) Inc. ("HTI USA"), located at 340 Madison Avenue, 12th Floor, New York, NY 10173, USA; telephone (212) 351 6050. HTI USA is a broker-dealer registered in the U.S. with the U.S. Securities and Exchange Commission (the "SEC") and a member of the Financial Industry Regulatory Authority, Inc. ("FINRA"). HTI USA is not responsible for the preparation of this research report nor for the analysis contained therein. Under no circumstances should any U.S. recipient of this research report contact the analyst directly or effect any transaction to buy or sell securities or related financial instruments directly through HSIPL, HTIRL or HTIUKK. The HSIPL, HTIRL or HTIUKK analyst(s) whose name appears in this research report is not registered or qualified as a research analyst with FINRA and, therefore, may not be subject to FINRA Rule 2241 restrictions on communications with a subject company, public appearances and trading securities held by a research analyst account. Investing in any non-U.S. securities or related financial instruments (including ADRs) discussed in this research report may present certain risks. The securities of non-U.S. issuers may not be registered with, or be subject to U.S. regulations. Information on such non-U.S. securities or related financial instruments may be limited. Foreign companies may not be subject to audit and reporting standards and regulatory requirements comparable to those in effect within the U.S. The value of any investment or income from any securities or related financial instruments discussed in this research report denominated in a currency other than U.S. dollars is subject to exchange rate fluctuations that may have a positive or adverse effect on the value of or income from such securities or related financial instruments. All inquiries by U.S. recipients should be directed to:

Haitong International Securities (USA) Inc.

340 Madison Avenue, 12th Floor

New York, NY 10173

Attn: Sales Desk at (212) 351 6050

中华人民共和国的通知事项: 在中华人民共和国(下称“中国”,就本报告目的而言,不包括香港特别行政区、澳门特别行政区和台湾)只有根据适用的中国法律法规而收到该材料的人员方可使用该材料。并且根据相关法律法规,该材料中的信息并不构成“在中国从事生产、经营活动”。本文件在中国并不构成相关证券的公共发售或认购。无论根据法律规定或其他任何规定,在取得中国政府所有的批准或许可之前,任何法人或自然人均不得直接或间接地购买本材料中的任何证券或任何权益。接收本文件的人员须遵守上述限制性规定。

加拿大投资者的通知事项: 在任何情况下该等材料均不得被解释为在任何加拿大的司法管辖区内出售证券的要约或认购证券的要约邀请。本材料中所述证券在加拿大的任何要约或出售行为均只能在豁免向有关加拿大证券监管机构提交招股说明书的前提下由 Haitong International Securities (USA) Inc. ("HTI USA") 予以实施,该公司是一家根据 National Instrument 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations ("NI 31-103") 的规定得到「国际交易商豁免」("International Dealer Exemption") 的交易商,位于艾伯塔省、不列颠哥伦比亚省、安大略省和魁北克省。在加拿大,该等材料在任何情况下均不得被解释为任何证券的招股说明书、发行备忘录、广告或公开发行。加拿大的任何证券委员会或类似的监管机构均未审查或以任何方式批准该等材料、其中所载的信息或所述证券的优点,任何与此相反的声明即属违法。在收到该等材料时,每个加拿大的收件人均将被视为属于 National Instrument 45-106 Prospectus Exemptions 第 1.1 节或者 Securities Act (Ontario) 第 73.3(1) 节所规定的「认可投资者」("Accredited Investor"), 或者在适用情况下 National Instrument 31-103 第 1.1 节所规定的「许可投资者」("Permitted Investor")。

新加坡投资者的通知事项: 本研究报告由 Haitong International Securities (Singapore) Pte Ltd ("HTISPL") [公司注册编号 201311400G] 于新加坡提供。HTISPL 是符合《财务顾问法》(第 110 章) ("FAA") 定义的豁免财务顾问,可 (a) 提供关于证券,集体投资计划的部分,交易所衍生品合约和场外衍生品合约的建议 (b) 发行或公布有关证券、交易所衍生品合约和场外衍生品合约的研究分析或研究报告。本研究报告仅提供给符合《证券及期货法》(第 289 章) 第 4A 条项下规定的机构投资者。对于因本研究报告而产生的或与之相关的任何问题,本研究报告的收件人应通过以下信息与 HTISPL 联系:

Haitong International Securities (Singapore) Pte. Ltd

50 Raffles Place, #33-03 Singapore Land Tower, Singapore 048623

电话: (65) 6536 1920

日本投资者的通知事项: 本研究报告由海通国际证券有限公司所发布,旨在分发给从事投资管理的金融服务提供商或注册金融机构(根据日本金融机构和交易法("FIEL")) 第 61 (1) 条,第 17-11 (1) 条的执行及相关条款)。

英国及欧盟投资者的通知事项: 本报告由从事投资顾问的 Haitong International Securities Company Limited 所发布,本报告只面向有投资相关经验的专业客户发布。任何投资或与本报告相关的投资行为只面对此类专业客户。没有投资经验或相关投资经验的客户不得依赖本报告。Haitong International Securities Company Limited 的分支机构的净长期或短期金融权益可能超过本研究报告中提及的实体已发行股本总额的 0.5%。特别提醒有些英文报告有可能此前已经通过中文或其它语言完成发布。

澳大利亚投资者的通知事项: Haitong International Securities (Singapore) Pte Ltd, Haitong International Securities Company Limited 和 Haitong International Securities (UK) Limited 分别根据澳大利亚证券和投资委员会(以下简称"ASIC")公司(废除及过度性)文书第 2016/396 号规章在澳大利亚分发本项研究,该等规章免除了根据 2001 年《公司法》在澳大利亚为批发客户提供金融服务时海通国际需持有澳大利亚金融服务许可的要求。ASIC 的规章副本可在以下网站获取: www.legislation.gov.au。海通国际提供的金融服务受外国法律法规规定的管制,该等法律与在澳大利亚所适用的法律存在差异。

印度投资者的通知事项：本报告由从事证券交易、投资银行及证券分析及受 Securities and Exchange Board of India (“SEBI”) 监管的 Haitong Securities India Private Limited (“HTSIPL”) 所发布，包括制作及发布涵盖 BSE Limited (“BSE”) 和 National Stock Exchange of India Limited (“NSE”) (统称为「印度交易所」) 研究报告。

研究机构名称: Haitong Securities India Private Limited

SEBI 研究分析师注册号: INH000002590

地址: 1203A, Floor 12A, Tower 2A, One World Center

841 Senapati Bapat Marg, Elphinstone Road, Mumbai 400 013, India

CIN U74140MH2011FTC224070

电话: +91 22 43156800 传真: +91 22 24216327

合规和申诉办公室联系人: Prasanna Chandwaskar ; 电话: +91 22 43156803; 电子邮箱: prasanna.chandwaskar@htisec.com

“请注意，SEBI 授予的注册和 NISM 的认证并不保证中介的表现或为投资者提供任何回报保证”。

本项研究仅供收件人使用，未经海通国际的书面同意不得予以复制和再次分发。

版权所有：海通国际证券集团有限公司 2019 年。保留所有权利。

People's Republic of China (PRC): In the PRC, the research report is directed for the sole use of those who receive the research report in accordance with the applicable PRC laws and regulations. Further, the information on the research report does not constitute "production and business activities in the PRC" under relevant PRC laws. This research report does not constitute a public offer of the security, whether by sale or subscription, in the PRC. Further, no legal or natural persons of the PRC may directly or indirectly purchase any of the security or any beneficial interest therein without obtaining all prior PRC government approvals or licenses that are required, whether statutorily or otherwise. Persons who come into possession of this research are required to observe these restrictions.

Notice to Canadian Investors: Under no circumstances is this research report to be construed as an offer to sell securities or as a solicitation of an offer to buy securities in any jurisdiction of Canada. Any offer or sale of the securities described herein in Canada will be made only under an exemption from the requirements to file a prospectus with the relevant Canadian securities regulators and only by Haitong International Securities (USA) Inc., a dealer relying on the "international dealer exemption" under National Instrument 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations ("NI 31-103") in Alberta, British Columbia, Ontario and Quebec. This research report is not, and under no circumstances should be construed as, a prospectus, an offering memorandum, an advertisement or a public offering of any securities in Canada. No securities commission or similar regulatory authority in Canada has reviewed or in any way passed upon this research report, the information contained herein or the merits of the securities described herein and any representation to the contrary is an offence. Upon receipt of this research report, each Canadian recipient will be deemed to have represented that the investor is an "accredited investor" as such term is defined in section 1.1 of National Instrument 45-106 Prospectus Exemptions or, in Ontario, in section 73.3(1) of the Securities Act (Ontario), as applicable, and a "permitted client" as such term is defined in section 1.1 of NI 31-103, respectively.

Notice to Singapore investors: This research report is provided in Singapore by or through Haitong International Securities (Singapore) Pte Ltd ("HTISSPL") [Co Reg No 201311400G. HTISSPL is an Exempt Financial Adviser under the Financial Advisers Act (Cap. 110) ("FAA") to (a) advise on securities, units in a collective investment scheme, exchange-traded derivatives contracts and over-the-counter derivatives contracts and (b) issue or promulgate research analyses or research reports on securities, exchange-traded derivatives contracts and over-the-counter derivatives contracts. This research report is only provided to institutional investors, within the meaning of Section 4A of the Securities and Futures Act (Cap. 289). Recipients of this research report are to contact HTISSPL via the details below in respect of any matters arising from, or in connection with, the research report:

Haitong International Securities (Singapore) Pte. Ltd.

10 Collyer Quay, #19-01 - #19-05 Ocean Financial Centre, Singapore 049315

Telephone: (65) 6536 1920

Notice to Japanese investors: This research report is distributed by Haitong International Securities Company Limited and intended to be distributed to Financial Services Providers or Registered Financial Institutions engaged in investment management (as defined in the Japan Financial Instruments and Exchange Act ("FIEL") Art. 61(1), Order for Enforcement of FIEL Art. 17-11(1), and related articles).

Notice to UK and European Union investors: This research report is distributed by Haitong International Securities Company Limited. This research is directed at persons having professional experience in matters relating to investments. Any investment or investment activity to which this research relates is available only to such persons or will be engaged in only with such persons. Persons who do not have professional experience in matters relating to investments should not rely on this research. Haitong International Securities Company Limited's affiliates may have a net long or short financial interest in excess of 0.5% of the total issued share capital of the entities mentioned in this research report. Please be aware that any report in English may have been published previously in Chinese or another language.

Notice to Australian investors: The research report is distributed in Australia by Haitong International Securities (Singapore) Pte Ltd, Haitong International Securities Company Limited, and Haitong International Securities (UK) Limited in reliance on ASIC Corporations (Repeal and Transitional) Instrument 2016/396, which exempts those HTISG entities from the requirement to hold an Australian financial services license under the Corporations Act 2001 in respect of the financial services it provides to wholesale clients in Australia. A copy of the ASIC Class Orders may be obtained at the following website, www.legislation.gov.au. Financial services provided by Haitong International Securities (Singapore) Pte Ltd, Haitong International Securities Company Limited, and Haitong International Securities (UK) Limited are regulated under foreign laws and regulatory requirements, which are different from the laws applying in Australia.

Notice to Indian investors: The research report is distributed by Haitong Securities India Private Limited ("HSIPL"), an Indian company and a Securities and Exchange Board of India ("SEBI") registered Stock Broker, Merchant Banker and Research Analyst that, inter alia, produces and distributes research reports covering listed entities on the BSE Limited ("BSE") and the National Stock Exchange of India Limited ("NSE") (collectively referred to as "Indian Exchanges").

Name of the entity: Haitong Securities India Private Limited

SEBI Research Analyst Registration Number: INH000002590

Address : 1203A, Floor 12A, Tower 2A, One World Center

841 Senapati Bapat Marg, Elphinstone Road, Mumbai 400 013, India

CIN U74140MH2011FTC224070

Ph: +91 22 43156800 Fax:+91 22 24216327

Details of the Compliance Officer and Grievance Officer :Prasanna Chandwaskar : Ph: +91 22 43156803; Email id: prasanna.chandwaskar@htisec.com

"Please note that Registration granted by SEBI and Certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors".

This research report is intended for the recipients only and may not be reproduced or redistributed without the written consent of an authorized signatory of HTISG.

Copyright: Haitong International Securities Group Limited 2019. All rights reserved.

<http://equities.htisec.com/x/legal.html>
