



Monthly Analysis (March, 2019)

Major Highlights during March, 2019

- During 2018-19, India was the second highest country in production of crude steel, having produced 106.56 MT of crude steel.
 - Production of crude steel in the world was 155.01 MT during March, 2019, which has increased by 4.94% over March, 2018.
 - Production of crude steel by China in March, 2019 was 80.33 MT having increased by 9.96% as compared to March, 2018.
 - Production of crude steel by India for the month of March, 2019 was 9.41 MT having decreased by 0.99% over March, 2018.
 - The capacity utilisation in production of crude steel by various producers in the country has increased from 74.75% during 2017-18 to 77.23% during 2018-19.
 - During 2018-19, production of finished steel was 131.572 MT having recorded a positive growth rate of 3.7% over 2017-18. During the month of March, 2019, the production of finished steel was 12.13 MT having increased by 3.57% over March, 2018.
 - Consumption of finished steel during 2018-19 was 97.536 MT which has increased by 7.5% over 2017-18.
 - Import of finished steel was 0.705 MT in March, 2019 having recorded a positive growth rate of 45.96% over March, 2018. Also, during 2018-19, total import of finished steel was 7.835 MT having increased by 4.71% over 2017-18.
 - Export of finished steel have decreased to 0.592 MT during March, 2019 recording a negative growth rate of 16.38% over March, 2018. Also, total export of finished steel during 2018-19 was 6.631 MT having decreased by 33.88% over 2017-18.
 - During February, 2019, production of iron ore was 18.139 MT having increased by 2.37% over February, 2018 while production during April-February, 2018-19 was 188.426 MT having increased by 4.13% over April-February, 2017-18.
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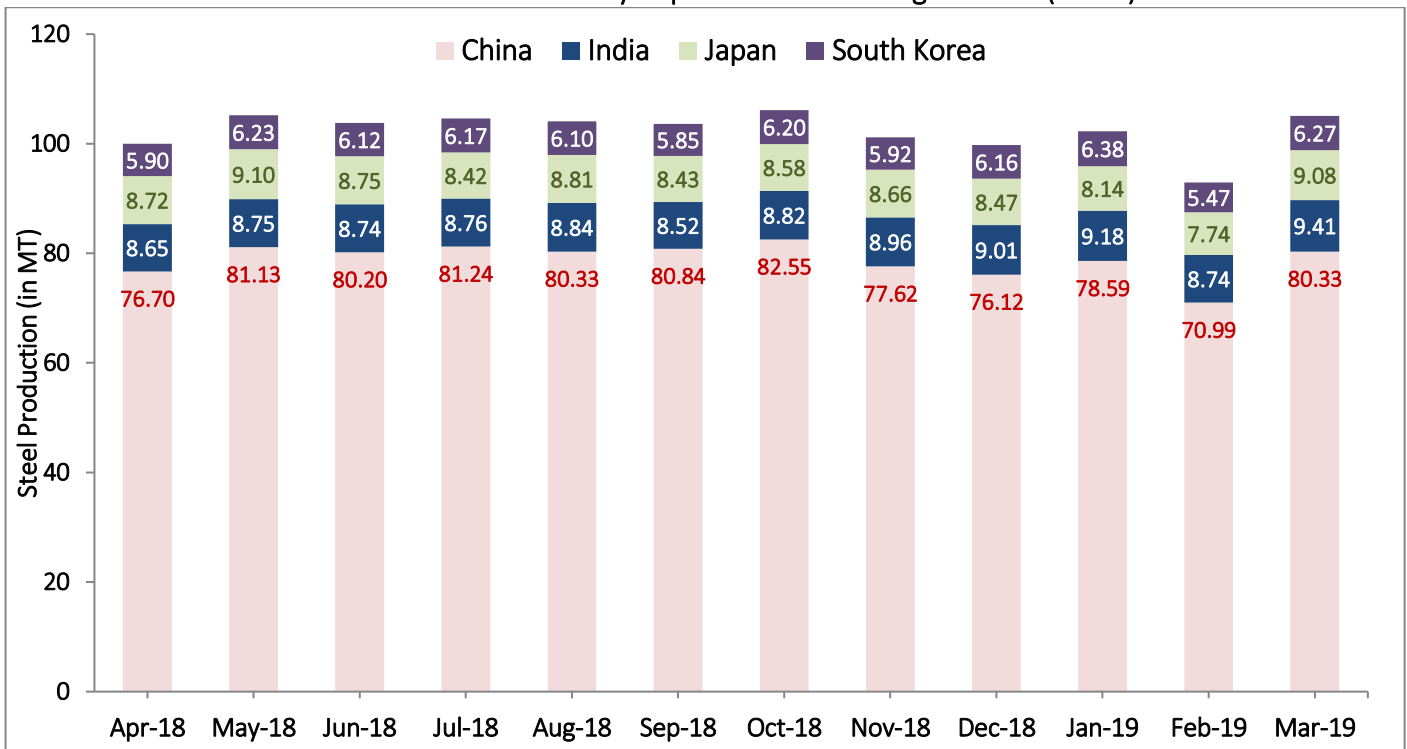
1. World Crude Steel Production

Table: 1(a)
Top Crude Steel Producing Countries (in MT)

	Mar-19	Mar-18	% Change		2018-19	2017-18	% Change	
China	80.33	73.05		9.96	946.63	867.09		9.17
India	9.41	9.51	-0.99		106.56	103.13		3.33
Japan	9.08	9.09	-0.01		102.89	104.84	-1.86	
South Korea	6.27	6.10		2.81	72.76	71.53		1.72
Other Countries	49.92	49.98	-0.12		576.74	568.09		1.52
World	155.01	147.71		4.94	1805.60	1714.67		5.30

Source: @ WSA; # JPC

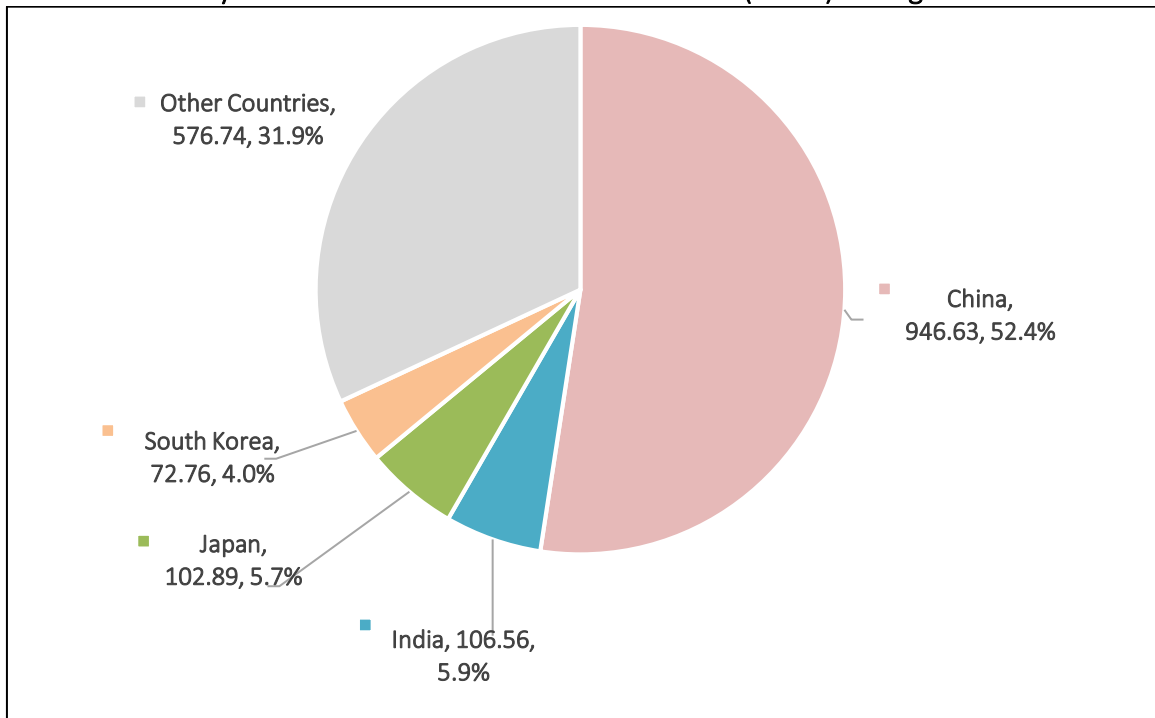
Fig. 1(a)
Trend in Steel Production by Top 4 Countries during 2018-19 (in MT)



- During 2018-19, India was the **second highest country** in production of crude steel, having produced 106.56 MT of crude steel. [Fig. 1(a), Table: 1(a)]
- During 2018-19, production of crude steel by India was 5.9% of total crude steel produced in World (64 countries) followed by Japan (5.7% of total production). [Fig. 1(b)]
- From Jul-18 onwards, production of crude steel by India was more than that of Japan and thus overtook Japan in producing crude steel. [Fig. 1(a), Table: 1(a)]

Fig. 1(b)

Country-wise % Share in Crude Steel Production (in MT) during 2018-19



2. Performance of India's Steel Sector

2.1 Production of Crude Steel

Producers	2018-19	2017-18	% Change
SAIL	16.263	15.022	8.3
RINL	5.233	4.731	10.6
TSL	13.228	12.459	6.2
ESSAR	6.814	6.753	0.9
JSWL	16.838	16.407	2.6
JSPL	5.227	4.014	30.2
Other Producers	42.962	43.745	-1.8
Total Crude Steel Production	106.564	103.131	3.3
Total PSU Production	21.496	19.753	8.8
% Share of PSU	20.17	19.15	

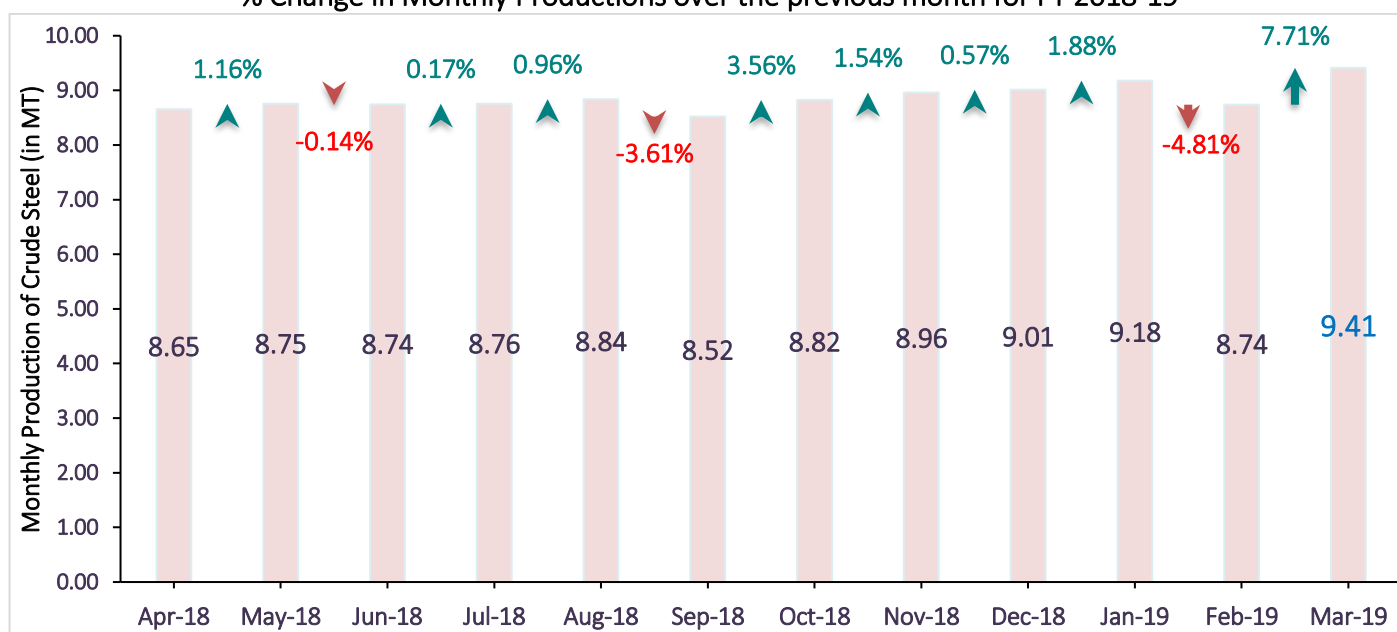
Source: JPC

- Crude steel production during 2018-19 (Apr-Mar) has increased by 3.3% over 2017-18 (Apr-Mar).

[Table: 2(a)]

Fig. 2(a)

Monthly Production of Crude Steel (in MT) and
% Change in Monthly Productions over the previous month for FY 2018-19



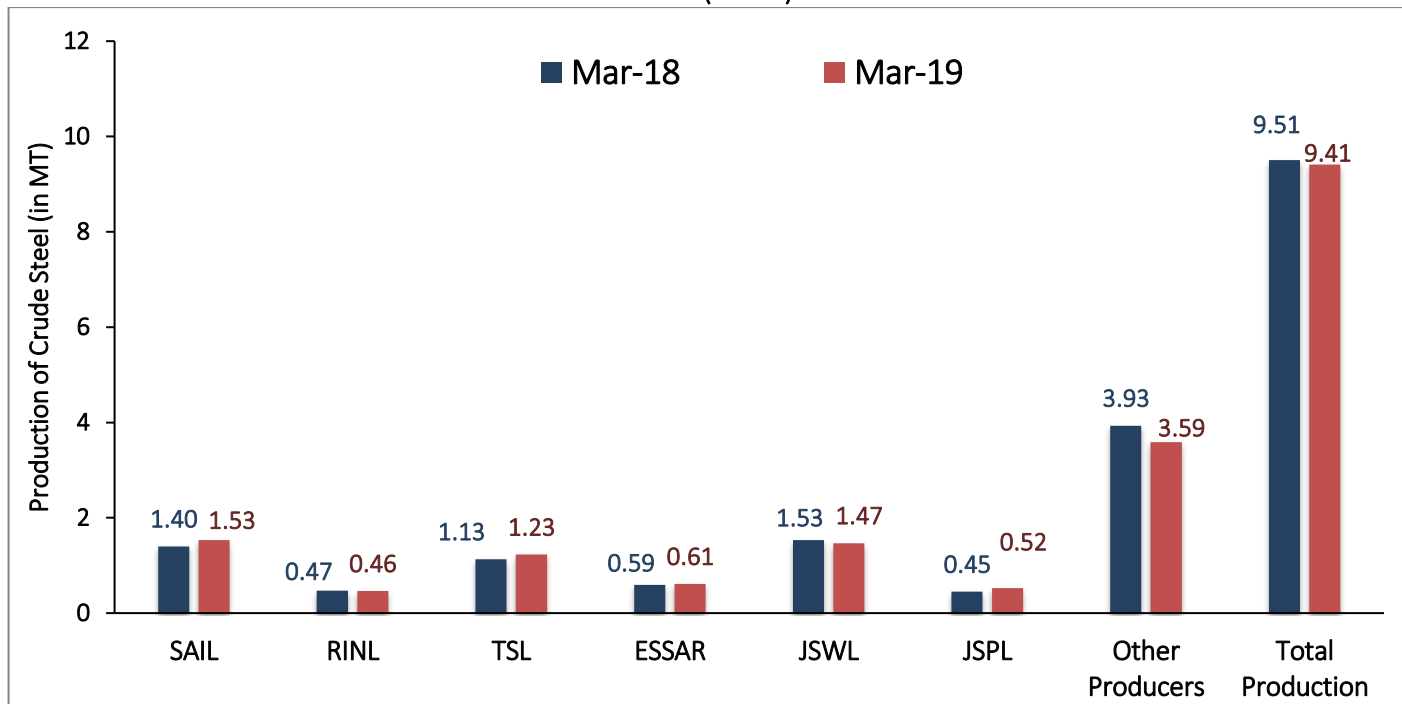
- % increase in a month of 2018-19 over the previous month of same year
- % decrease in a month of 2018-19 over the previous month of same year

- During the months of September, 2018 and February, 2019, production of crude steel decreased a considerable amount (3.16% and 4.81% decreased respectively) over its respective preceding month; while for other months, the production has increased a considerable amount, especially

during October, 2019 (increased by 3.56% over September, 2018) and March, 2019 (increased by 7.71% over February, 2019). [Fig. 2(a)]

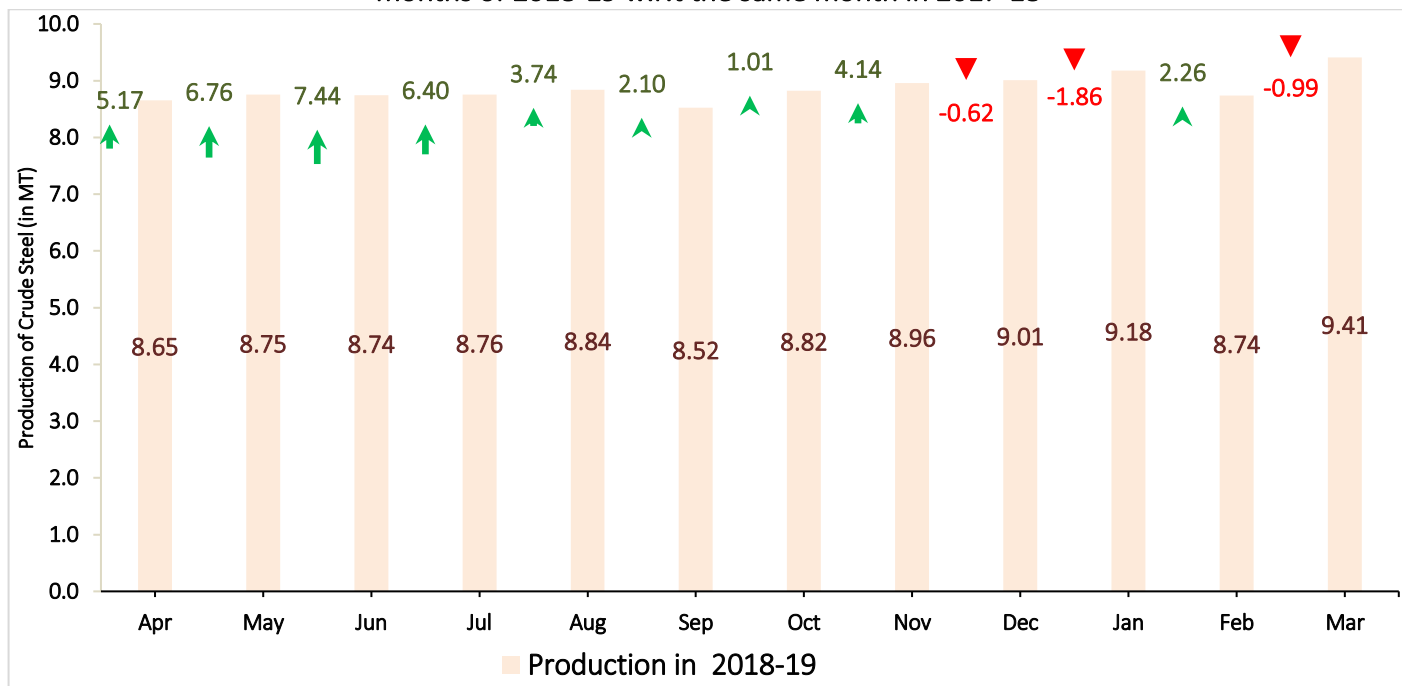
- Production of crude steel for the month of March, 2019 was 9.41 MT, having decreased by 0.99% over March, 2018. [Fig. 2(b)]

Fig. 2(b)
 Producer wise Production of Crude Steel (in MT) in India in Mar-19 vis-a-vis Mar-18



Note: JPC; MT:Million Tonne

Fig. 2(c)
 Month-on-Month % Change in Production for the months of 2018-19 w.r.t the same month in 2017-18

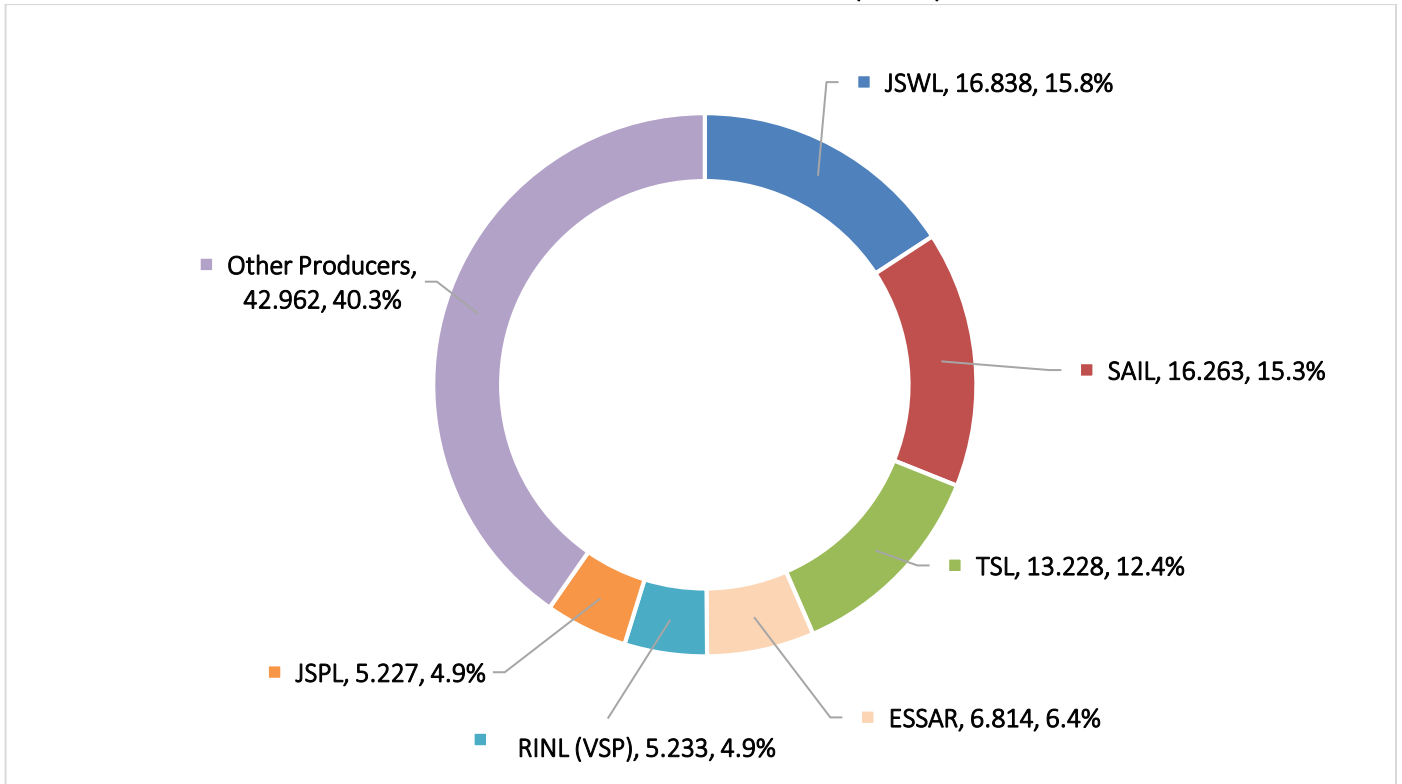


➡ % increase in a month of 2018-19 over the same month of previous year (2017-18)

➡ % decrease in a month of 2018-19 over the same month of previous year (2017-18)

- During the month of June, 2018, the production of crude steel had increased by 7.44% over June, 2017 (which was also the highest positive growth rate among all other months). [Fig. 2(c)]
- During the month of January, 2019, the production of crude steel decreased by 1.86% over January, 2018. [Fig. 2(c)]

Fig. 2(d)
 Producer wise Share in Production of Crude Steel (in MT) in India in 2018-19



- The highest amount of crude steel during 2018-19 was produced by JSWL (15.8%), followed by SAIL (15.3%) and TSL (12.4%). [Fig. 2(d)]

2.2 Capacity Utilisation in Production of Crude Steel

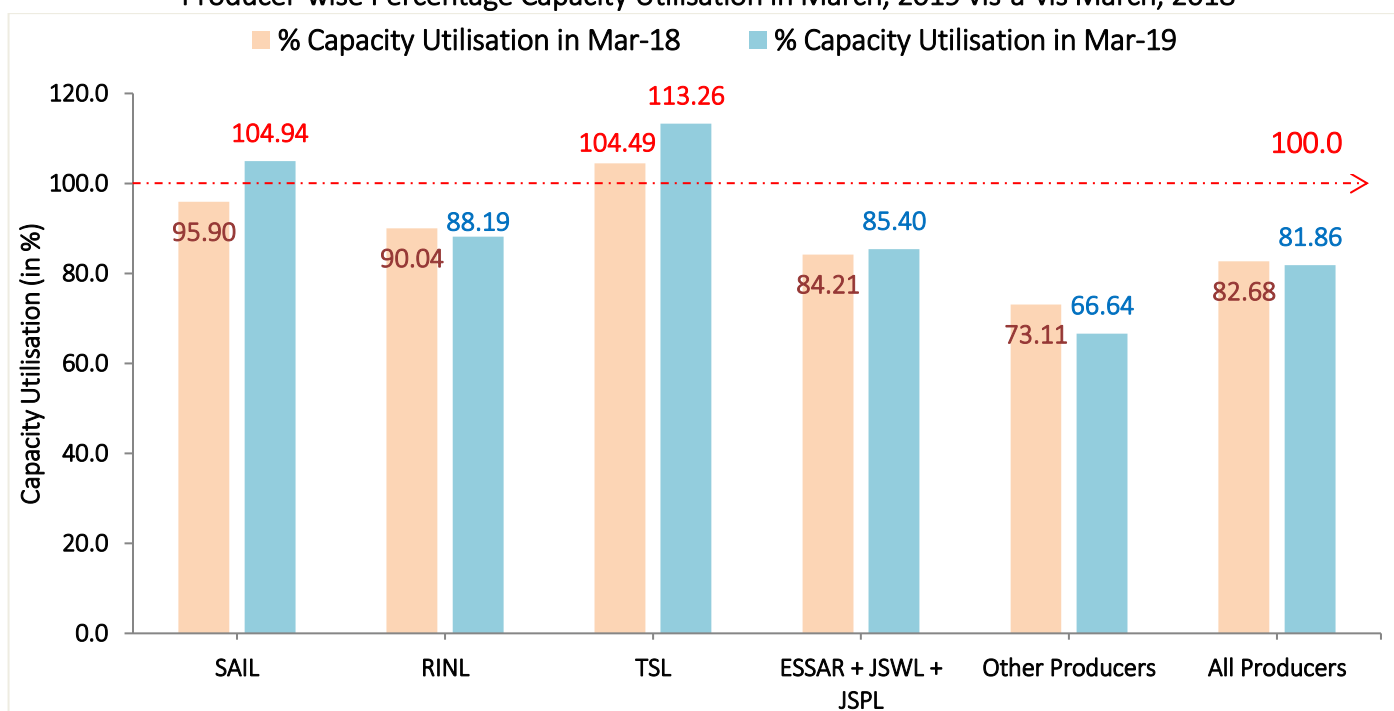
Table: 2(b)
Capacity Utilisation in Production of Crude Steel (in '000 Tonnes) in 2018-19 vis-a-vis 2017-18

Producers	Working Capacity (2018-19)	Production in 2018-19	% Utilisation in 2018-19	Working Capacity (2017-18)	Production in 2017-18	% Utilisation in 2017-18
SAIL	17,519	16,263	92.83	17,519	15,022	85.75
RINL	6,300	5,233	83.06	6,300	4,731	75.10
Public Sector	23,819	21,496	90.25	23,819	19,753	82.93
TSL	13,000	13,228	101.75	13,000	12,459	95.84
ESSAR + JSWL + JSPL	36,600	28,878	78.90	36,600	27,174	74.25
Other Producers	64,556	42,962	66.55	64,556	43,745	67.76
Private Sector	1,14,156	85,068	74.52	1,14,156	83,378	73.04
Grand Total	1,37,975	1,06,564	77.23	1,37,975	1,03,131	74.75

Source: JPC

- The capacity utilisation in production of crude steel by various producers in the country has increased from 74.75% during 2017-18 to 77.23% during 2018-19. [Table: 2(b)]
- Capacity utilisation in the public sector has increased from 82.93% in 2017-18 to 90.25% in 2018-19 whereas in private sector, it has increased from 73.04% in 2017-18 to 74.52% in 2018-19. [Table: 2(b)]
- Among the producers in private sector, capacity utilisation of Tata Steel Ltd. (TSL) has increased from 95.84% in 2017-18 to 101.75% in 2018-19. [Table: 2(b)]

Fig. 2(e)
Producer-wise Percentage Capacity Utilisation in March, 2019 vis-a-vis March, 2018



2.3 Production of Hot Metal

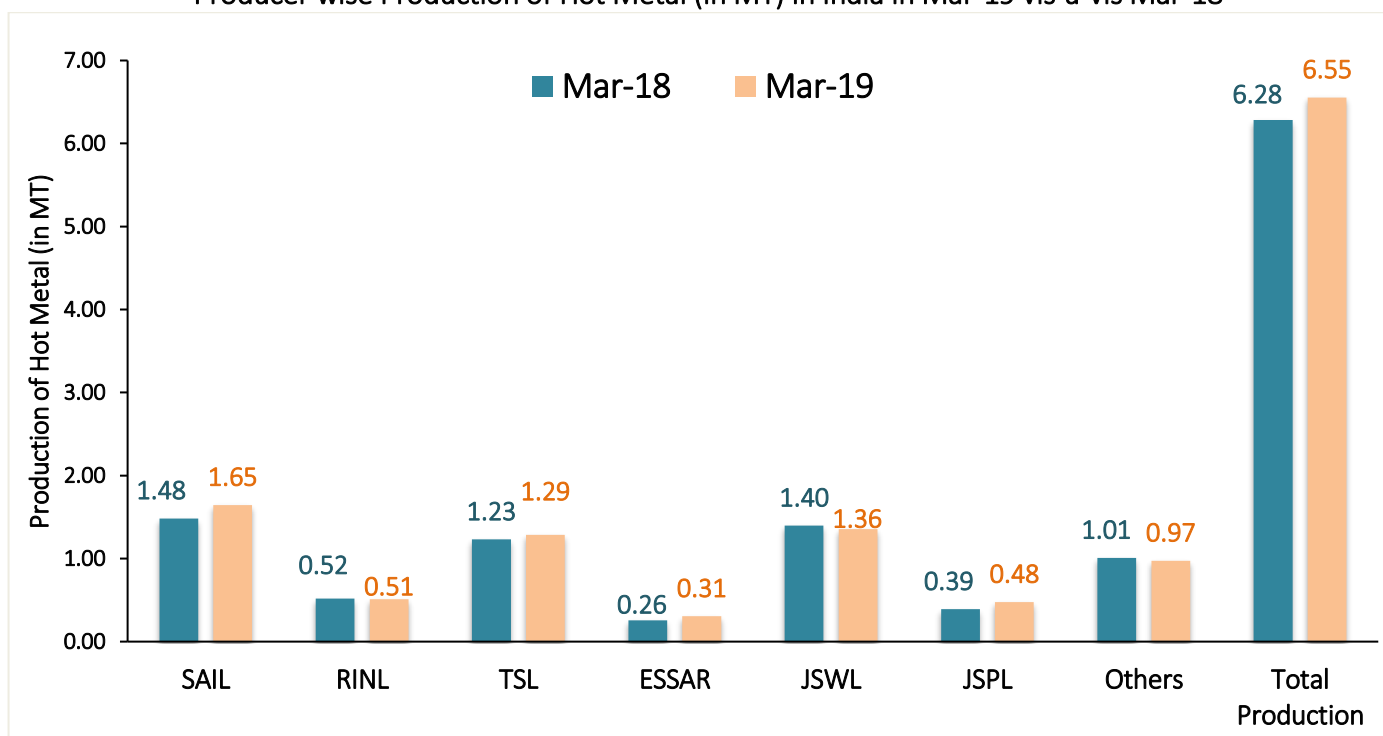
- During March, 2019, production of hot metal was 6.55 MT having increased by 4.31% over March, 2018. The percentage share of PSU in production of hot metal was 32.06% with a total production of 23.281 MT during 2018-19. [Fig. 2(f)]

Table: 2(c)			
Producer wise Production of Hot Metal in India (in MT)			
Producers	2018-19	2017-18	% Change
SAIL	17.512	15.983	10.3
RINL	5.769	5.132	6.8
TSL	14.236	13.855	-2.3
ESSAR	3.256	3.002	51.4
JSWL	15.477	15.011	3.1
JSPL	4.765	3.147	8.5
Other Producers	11.613	11.887	2.7
Total Production	72.628	68.016	12.4
Total PSU Production	23.281	21.115	9.6
% Share of PSU	32.06	31.04	

Source: JPC

Fig. 2(f)

Producer wise Production of Hot Metal (in MT) in India in Mar-19 vis-a-vis Mar-18



Note: JPC; MT:Million Tonne

2.4 Production of Pig Iron

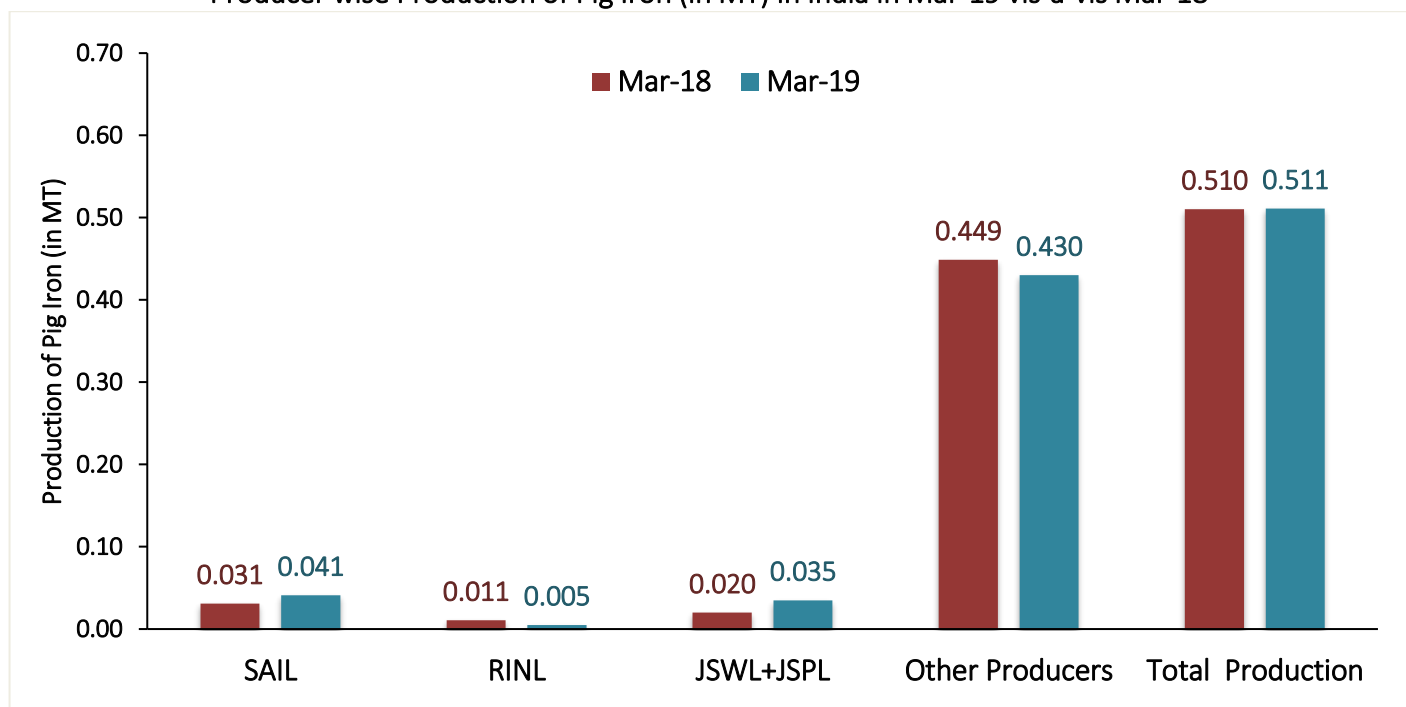
- During March, 2019, production of pig iron was 0.511 MT which has increased by 0.14% over March, 2018. The production of pig iron by PSU was 0.586 MT in 2018-19. [Fig. 2(g)]

Table: 2(d) Producer wise Production of Pig Iron in India (in MT)			
Company	2018-19	2017-18	% Change
SAIL	0.471	0.260	81.2
RINL	0.115	0.104	10.7
JSWL+JSPL	0.376	0.362	3.8
Other Producers	5.093	5.002	1.8
Total Production	6.055	5.728	5.7
Total PSU Production	0.586	0.364	61.1
% Share of PSU	0.471	0.260	

Source: JPC

Fig.2(g)

Producer wise Production of Pig Iron (in MT) in India in Mar-19 vis-a-vis Mar-18



Note: JPC; MT:Million Tonne

2.5 Production of Sponge Iron

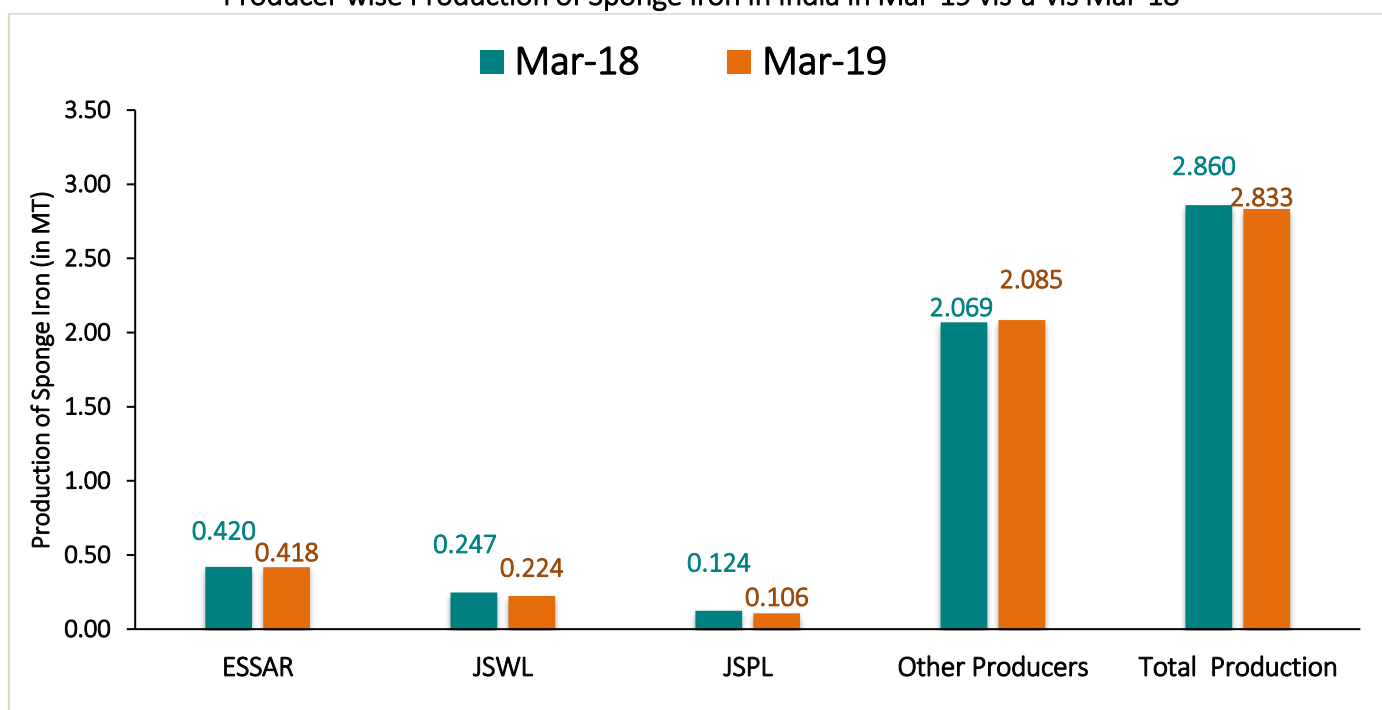
- During March, 2019, production of sponge iron for sale was 2.833 MT recording a negative growth of 0.93% as compared to March, 2018. The gross production of sponge iron in 2018-19 has increased by 8.3% over 2017-18. [Table: 2(e), Fig. 2(h)]

Table: 2(e) Producer wise Production of Sponge Iron (in MT) in India			
Company	2018-19	2017-18	% Change
ESSAR	4.821	4.268	12.9
JSWL	2.443	2.452	-0.4
JSPL	1.320	1.328	-0.6
Other Producers	24.451	22.463	8.8
Gross Production	33.035	30.511	8.3

Source: JPC

Fig. 2(h)

Producer wise Production of Sponge Iron in India in Mar-19 vis-a-vis Mar-18



Note- Source: JPC; MT:Million Tonne

2.6 Production of Finished Steel

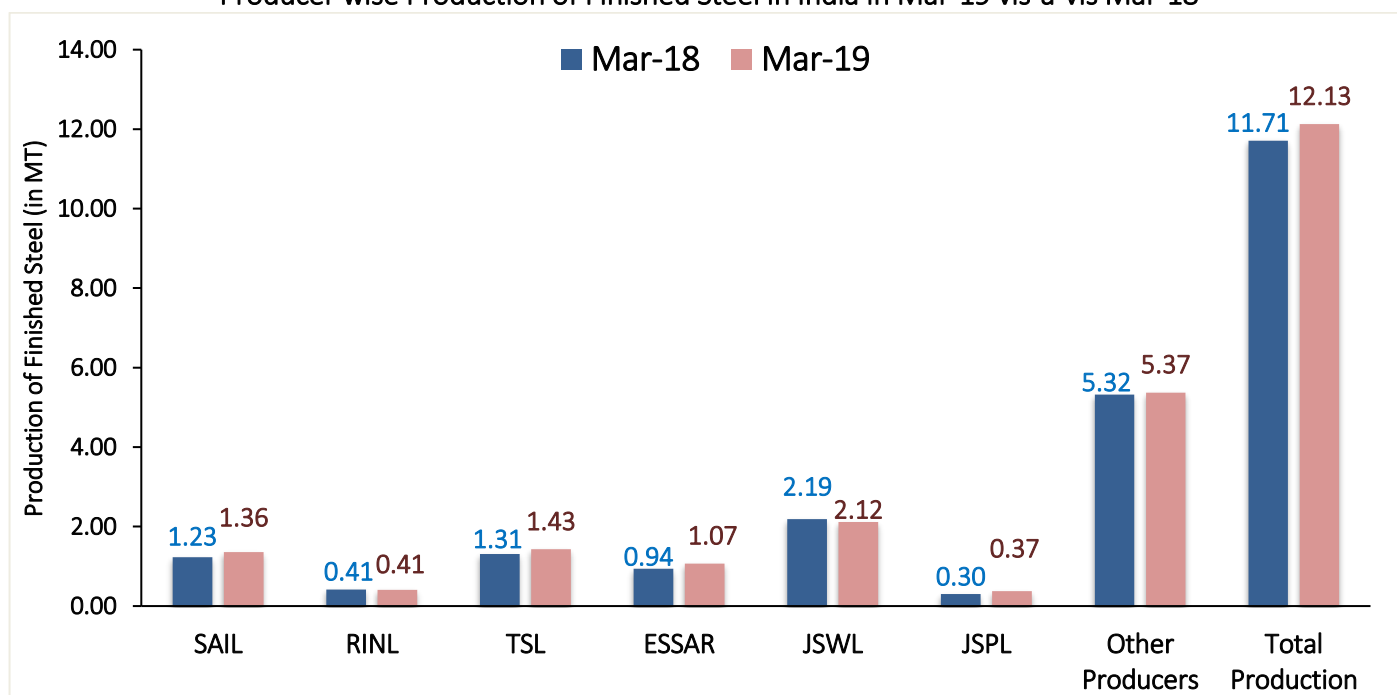
- During 2018-19, production of finished steel was 131.572 MT having recorded a positive growth rate of 3.7% over 2017-18. [Table: 2(f)]
- Consumption of finished steel during 2018-19 was 97.536 MT which has increased by 7.5% over 2017-18. [Table: 2(f)]

Table: 2(f) Production and Consumption of Finished Steel in India (in MT)			
Producers	2018-19	2017-18	% Change
SAIL	14.338	14.051	2.0
RINL	4.233	3.893	8.7
TSL	15.765	14.595	8.0
ESSAR	11.846	10.488	12.9
JSWL	23.762	23.127	2.7
JSPL	3.476	2.989	16.3
Other Producers	58.152	57.713	0.8
Total Production	131.572	126.856	3.7
Consumption	97.536	90.706	7.5
Total Production by PSU	18.571	17.944	3.5
% Share of Production by PSU	14.11	14.15	

Source:JPC

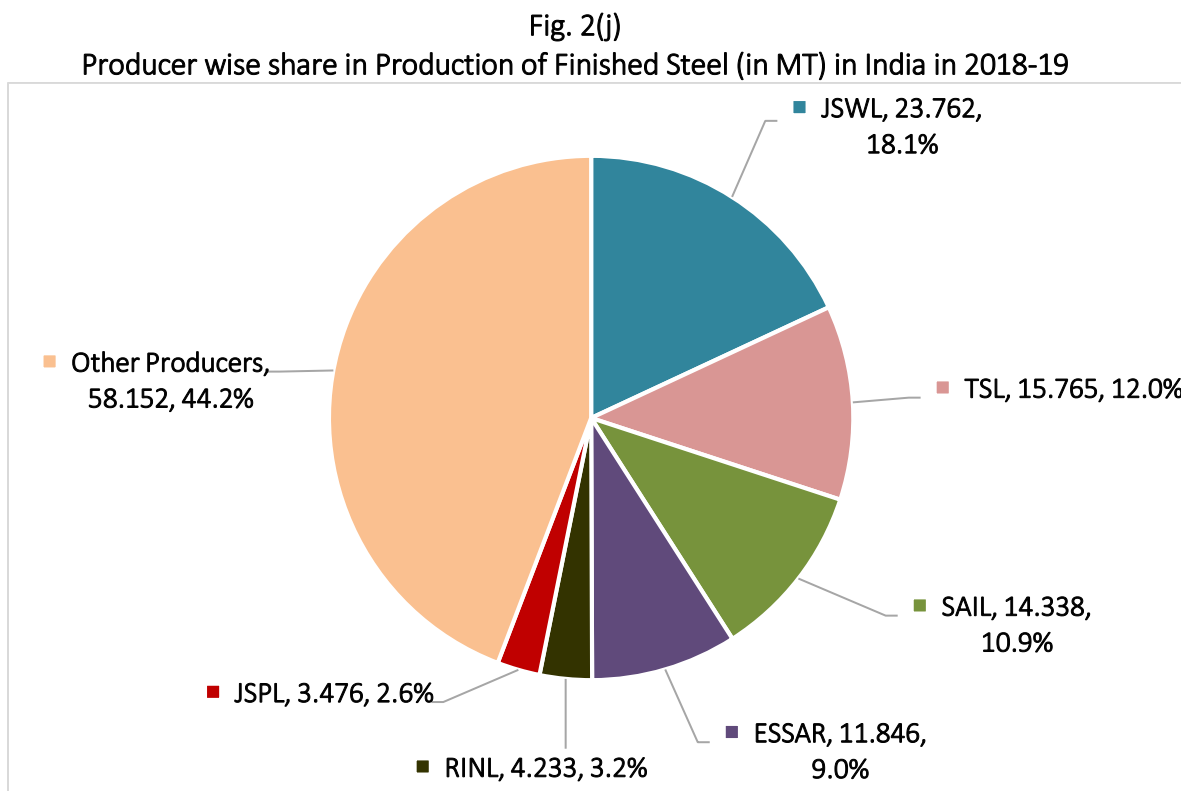
- During the month of March, 2019, the production of finished steel was 12.13 MT having increased by 3.57% over March, 2018. [Fig. 2(i)]

Fig. 2(i)
Producer wise Production of Finished Steel in India in Mar-19 vis-a-vis Mar-18



Note- Source: JPC; MT:Million Tonne

- The highest amount of finished steel was produced by JSWL (18.1%) during 2018-19 followed by TSL (12.0%) and SAIL (110.9%). [Fig. 2(j)]

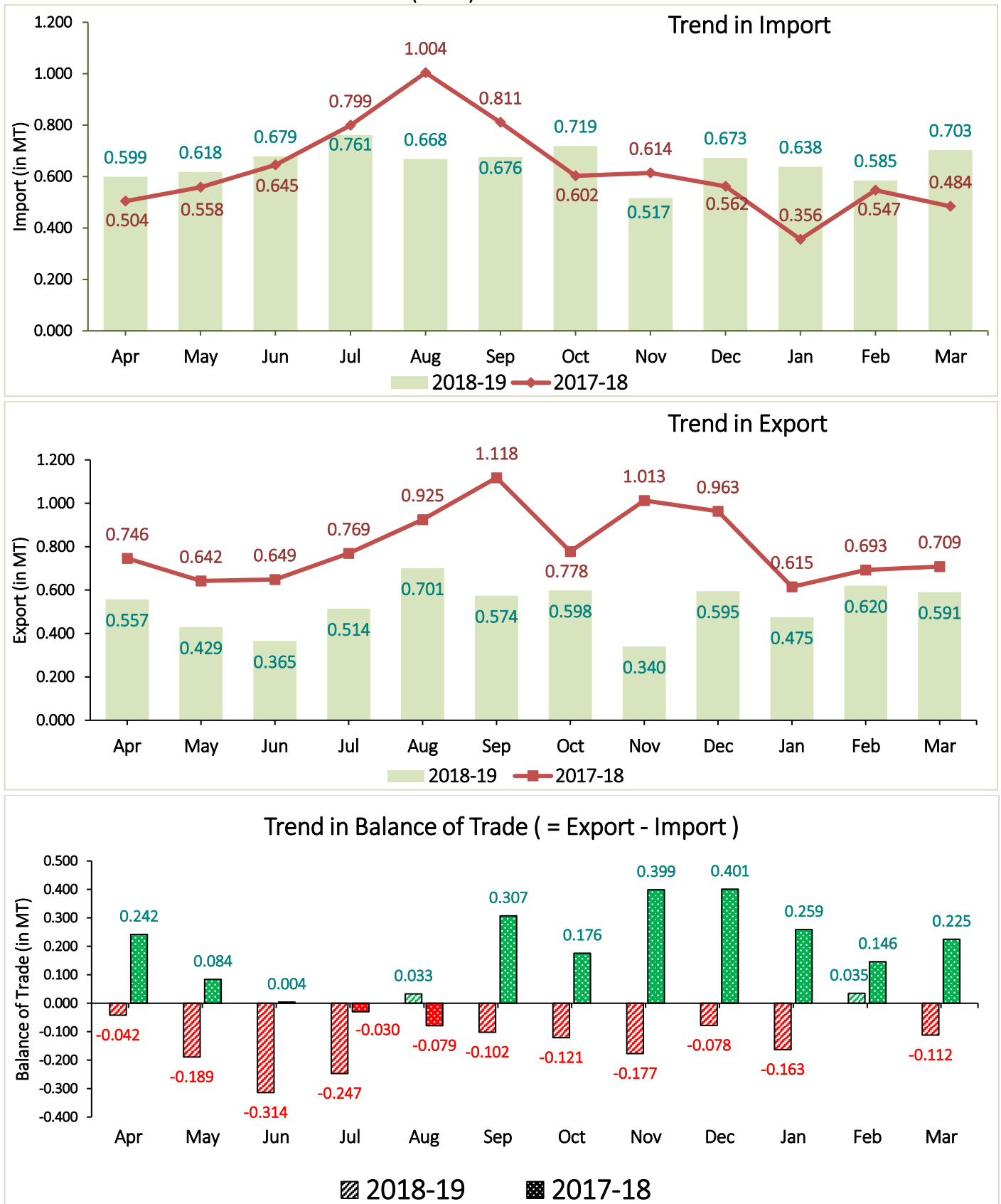


2.7 Import & Export of Finished Steel

a) Trend in Import, Export and Balance of Trade

Fig. 2(k)

Monthly Trend in Import, Export and Balance of Trade of Finished Steel (in MT) in 2018-19 vis-à-vis 2017-18



Green denotes increase Red denotes decrease

- India was net exporter in all months of 2017-18 except in July, 2017 and August, 2017; while India was net importer in all months of 2018-19 except in August, 2018 & February, 2019. [Fig: 2(k)]

b) Export & Import of Finished Steel (Category-wise)

Table: 2(g)
Export & Import of Finished Steel (in '000 Tonnes) – Category-wise
in Mar-19 vis-à-vis Mar-18 and 2018-19 vis-à-vis 2017-18

Import of Finished Steel (in '000 Tonnes)						
	Mar-19	Mar-18	% Change	2018-19	2017-18	% Change
Non-Alloy						
Non-Flat	62	31	37.3	462	309	49.6
Flat	471	357	31.9	5482	5328	2.9
Non-Alloy - Total	533	388	99.7	5944	5637	5.5
Alloy						
Non-Flat	26	25	2.5	591	442	33.6
Flat	144	71	103.4	1300	1404	-7.4
Alloy - Total	170	96	76.8	1891	1846	2.4
Import – Total	703	484	45.2	7835	7483	4.7
Export of Finished Steel (in '000 Tonnes)						
	Mar-19	Mar-18	% Change	2018-19	2017-18	% Change
Non-Alloy						
Non-Flat	71	55	28.5	705	2258	-68.8
Flat	479	600	-20.1	5068	6469	-21.7
Non-Alloy Total	550	655	-16.0	5773	8727	-33.8
Alloy						
Non-Flat	18	26	-29.8	277	523	-47.1
Flat	23	28	-19.0	311	370	-16.0
Alloy Total	41	54	-24.1	588	893	-34.2
Export – Total	591	709	-16.7	6361	9620	-33.9

Source: JPC

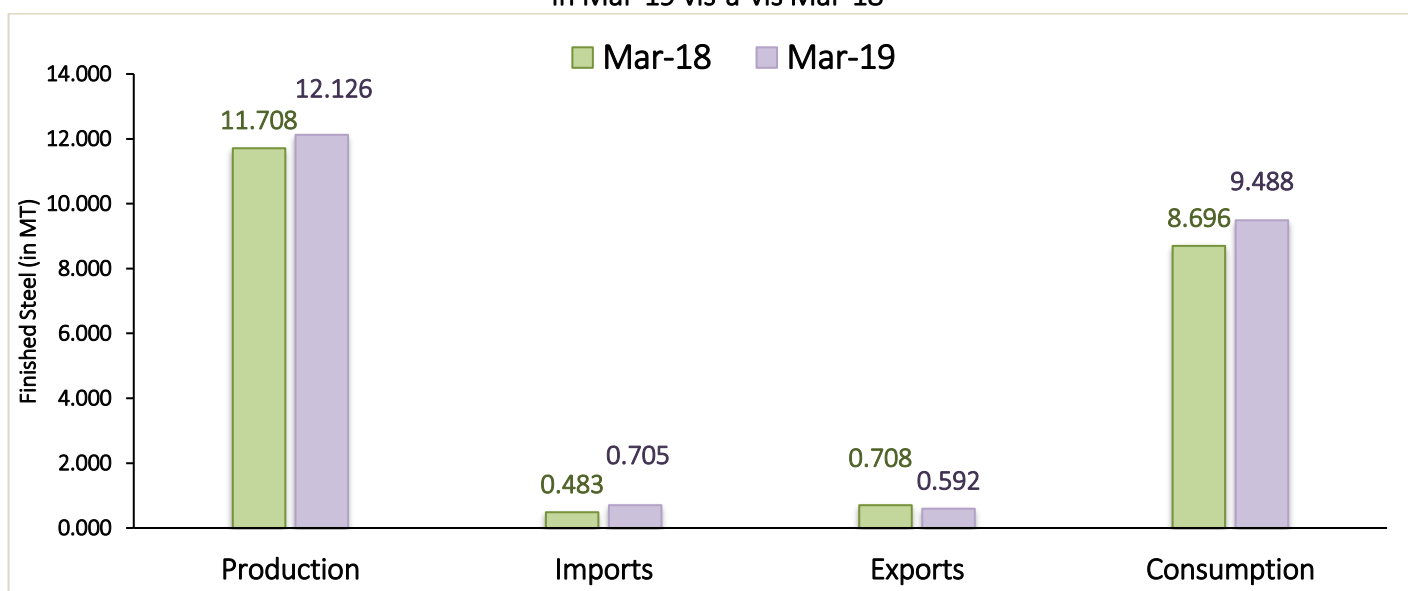
2.8 Production, Import, Export and Consumption of Finished Steel

- During 2018-19, amount of production, consumption and import of finished steel have increased over 2017-18 (3.7%, 4.7% and 7.5% respectively) but the amount of export has decreased a considerable amount (33.9%) in 2018-19 over 2017-18. [Table: 2(h)]
- Although, absolute amount of import of finished steel has increased by 4.7% in 2018-19 over 2017-18, the Import Intensity (in %), which is the percentage of import on total consumption, has decreased by 0.22% during 2018-19 over 2017-18. [Table: 2(h)]
- Also, absolute amount of export of finished steel has decreased by 33.9% in 2018-19 over 2017-18; while export intensity has decreased by 4.08% in 2018-19 over 2017-18. [Table: 2(h)]

Table: 2(h) Production, Import, Export & Consumption of Finished Steel (in MT) in 2018-19 vis-à-vis 2017-18			
	2018-19	2017-18	% Change
Production	131.572	126.855	3.7
Import	7.835	7.483	4.7
Export	6.361	9.620	-33.9
ASU/Consumption	97.536	90.706	7.5
Absolute Change			
Import Intensity (in %)*	8.03	8.25	-0.22
Export Intensity (in %)*	6.52	10.60	-4.08
Balance of Trade (in MT)	-1.474	2.138	-3.61

* Import Intensity = (Import/ASU)*100; Export Intensity = (Export/ASU)*100

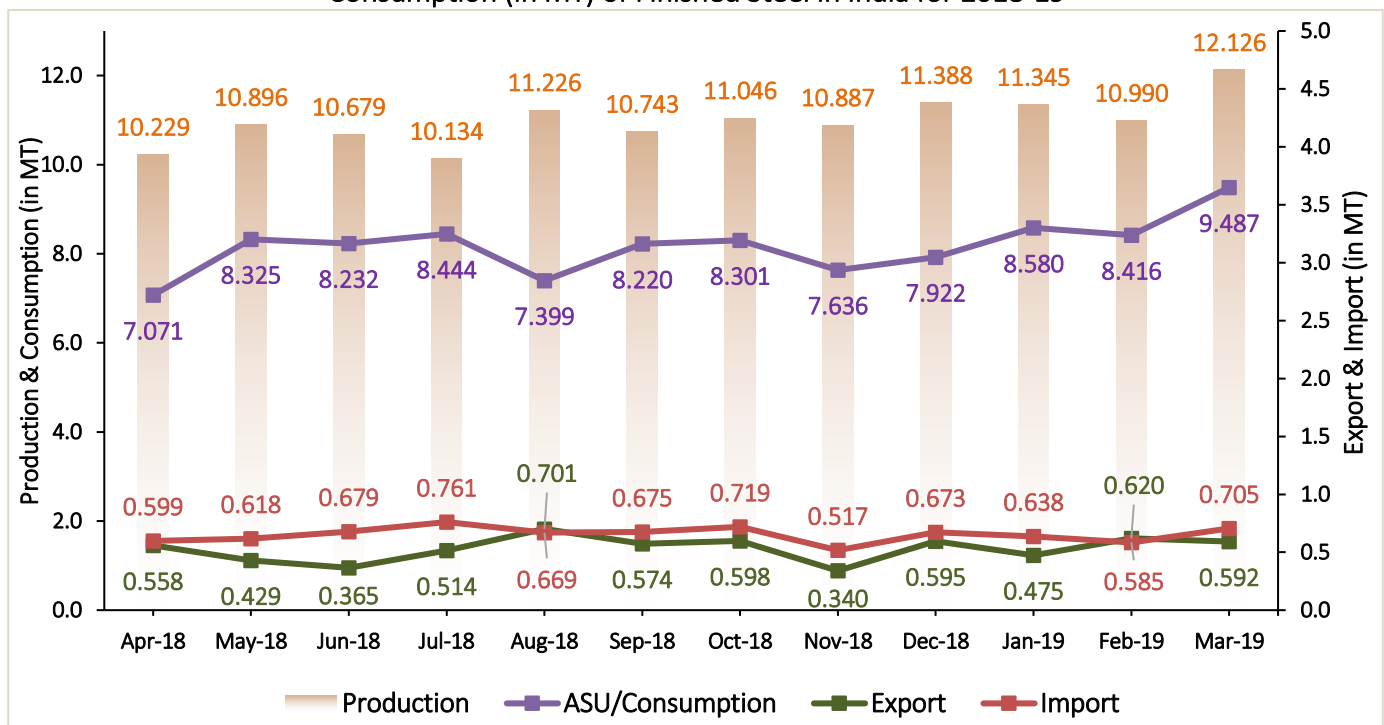
Fig. 2(l)
Production, Import, Export and Consumption of Finished Steel (in MT)
in Mar-19 vis-à-vis Mar-18



Note- Source: JPC; MT:Million Tonne

- During March, 2019, production of finished steel was 12.126 MT having recorded a positive growth rate of 3.57% over March, 2018. [Fig. 2(l)]
- For the same period, consumption was 9.488 MT having recorded a positive growth of 9.11% against consumption of finished steel during March, 2018. [Fig. 2(l)]
- Import of finished steel was 0.705 MT in March, 2019 having recorded a positive growth rate of 45.96% over March, 2018. [Fig. 2(l)]
- Export of finished steel have decreased to 0.592 MT during March, 2019 recording a negative growth rate of 16.38% over March, 2018. [Fig. 2(l)]

Fig. 2(m)
Trend in Monthly Production, Import, Export and Consumption (in MT) of Finished Steel in India for 2018-19



- Production and consumption of finished steel in the month of March, 2019 was 12.126 MT and 9.487 MT respectively, which were also the highest amount of production and consumption among the months of 2018-19. [Fig. 2(l)]
- The **compound monthly growth rate (CMGR)¹** of production of finished steel was 1.6% while for consumption, it was 2.7% from Apr 2018 to Mar, 2019.
- The **compound monthly growth rate (CMGR)** for export of finished steel was 0.5% while for import, it was 1.5% from Apr 2018 to Mar, 2019.

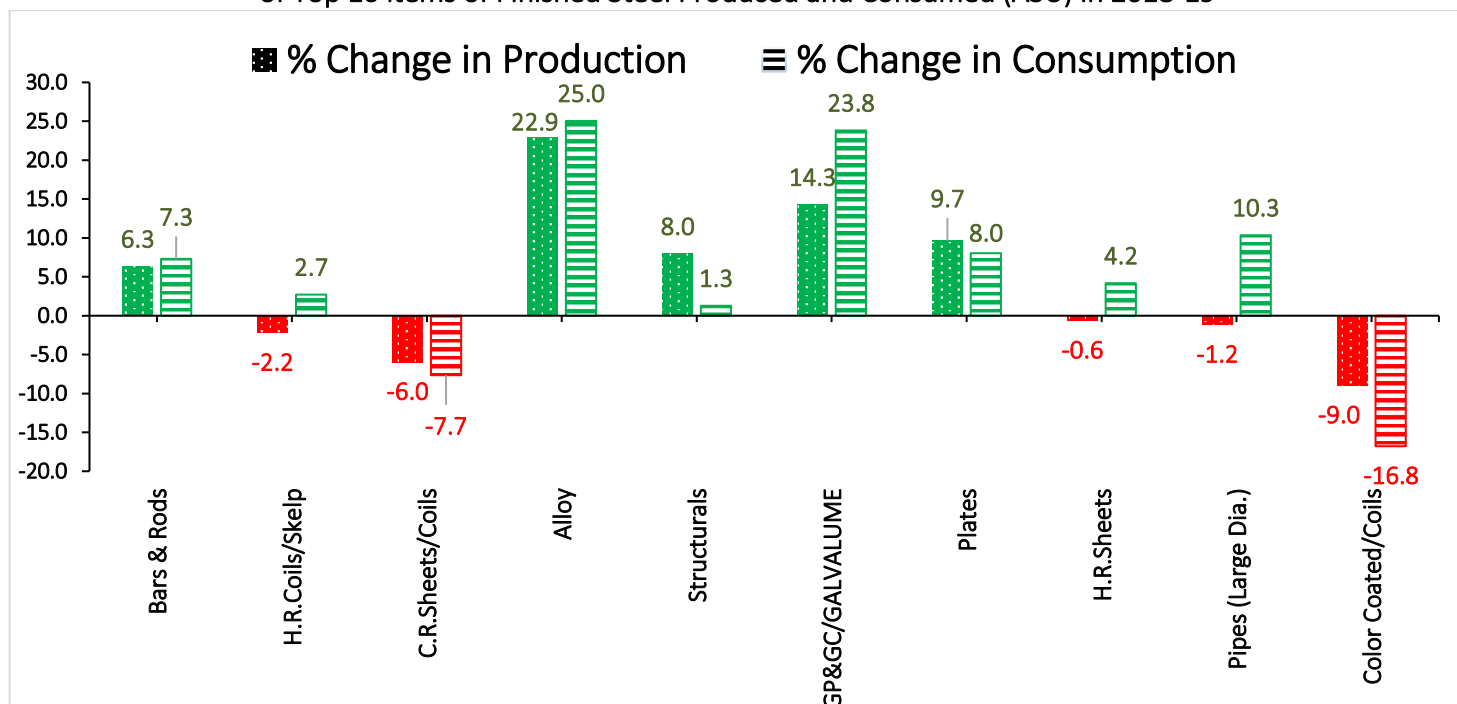
¹ CMGR (in %) = [(Fig. of Last Month/Fig. of First Month)^(1/11) - 1] * 100

2.9 Top 10 Items of Finished Steel w.r.t 2018-19 in Production, Consumption, Import and Export

Table: 2.(i)					
Top 10 items of Finished Steel wrt <u>Production</u> in 2018-19 and corresponding figures in 2017-18 (in MT)			Top 10 items of Finished Steel wrt <u>Consumption</u> in 2018-19 and corresponding figures in 2017-18 (in MT)		
Items	2018-19	2017-18	Items	2018-19	2017-18
Bars & Rods	38.057	35.791	Bars & Rods	35.828	33.387
H.R.Coils/Skelp	37.185	38.027	H.R.Coils/Skelp	14.942	14.547
C.R.Sheets/Coils	14.688	15.620	Alloy	10.377	8.298
Alloy	10.993	8.942	Structurals	8.335	8.230
Structurals	8.668	8.029	GP&GC/GALVALUME	7.294	5.891
GP&GC/GALVALUME	8.049	7.044	C.R.Sheets/Coils	5.873	6.359
Plates	5.641	5.143	Plates	5.601	5.184
H.R.Sheets	2.421	2.436	H.R.Sheets	2.412	2.315
Pipes (Large Dia.)	2.204	2.230	Pipes (Large Dia.)	2.214	2.006
Color Coated/Coils	1.489	1.636	Color Coated/Coils	1.580	1.899
Total Production of Finished Steel	131.572	126.855	Total Consumption of Finished Steel	97.536	90.707

Fig: 2(n)

% Change in 2018-19 over 2017-18 in Production & Consumption
of Top 10 items of Finished Steel Produced and Consumed (ASU) in 2018-19



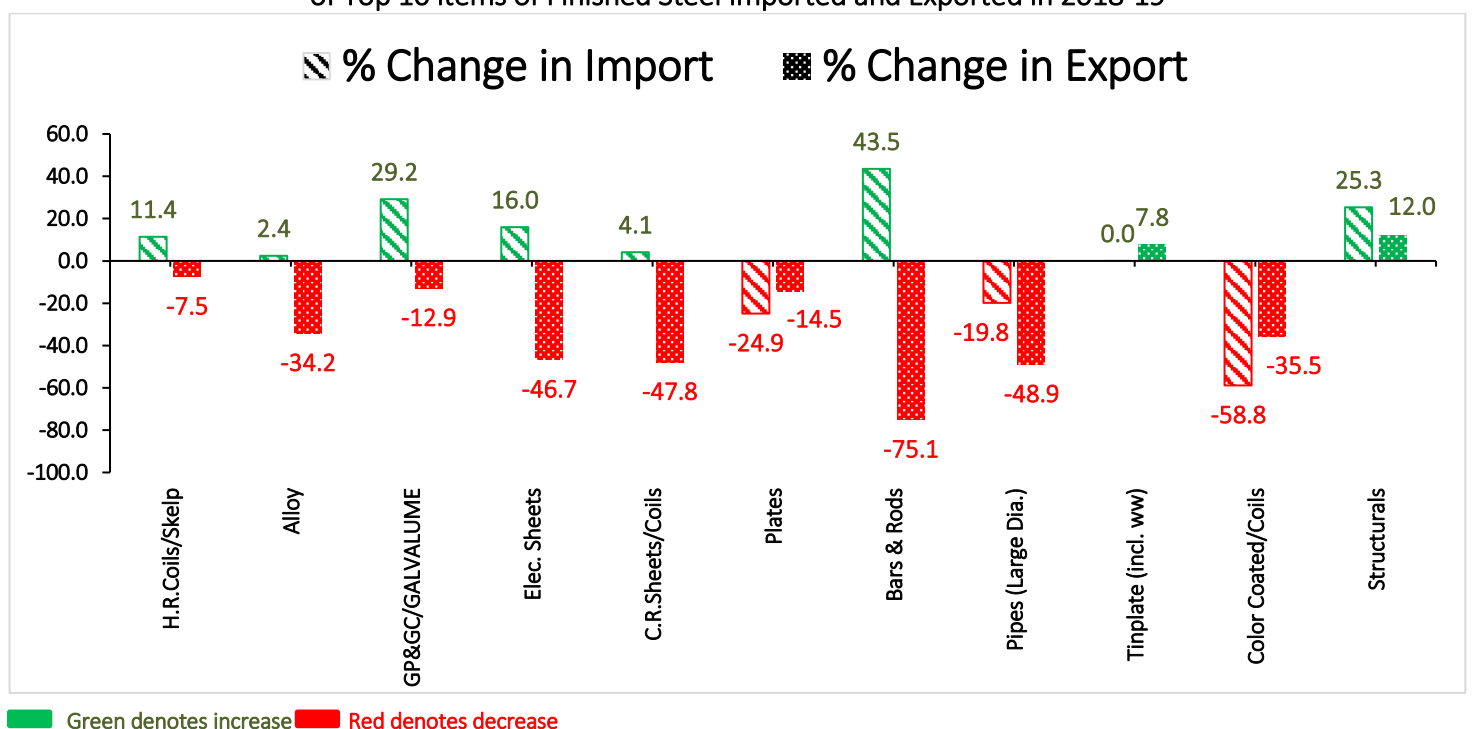
Green denotes increase Red denotes decrease

- Production and consumption of finished steel mainly increased due to items like Bar & Rods, Alloy and GP/GC/CC/Galvalue. [Fig: 2(n), Table: 2(i)]

Top 10 items of Finished Steel Imported in 2018-19 and corresponding figures in 2017-18 (in MT)			Top 10 items of Finished Steel Exported in 2018-19 and corresponding figures in 2017-18 (in MT)		
Items	2018-19	2017-18	Items	2018-19	2017-18
H.R.Coils/Skelp	1.951	1.751	H.R.Coils/Skelp	2.608	2.820
Alloy	1.891	1.846	GP&GC/GALVALUME	0.946	1.086
GP&GC/GALVALUME	1.089	0.843	C.R.Sheets/Coils	0.642	1.230
Elec. Sheets	0.703	0.606	Alloy	0.588	0.893
C.R.Sheets/Coils	0.565	0.543	Bars & Rods	0.509	2.042
Plates	0.431	0.574	Plates	0.420	0.491
Bars & Rods	0.349	0.243	Pipes (Large Dia.)	0.324	0.635
Pipes (Large Dia.)	0.336	0.419	Structurals	0.195	0.174
Tinplate (incl. ww)	0.192	0.192	Elec. Sheets	0.048	0.090
Color Coated/Coils	0.128	0.311	Tinplate (incl. ww)	0.040	0.037
Total Import of Finished Steel	7.834	7.482	Total Export of Finished Steel	6.361	9.619

- The import of finished steel mainly increased due to items like HR Coils/skelp, GP/GC/Galvalue, Electric Sheets and Bar & Rods. [Fig: 2(o), Table: 2(j)]
- The export of finished steel has mainly decreased due to items like CR Sheets/Coils, Alloy, Bar & Rods and Pipes (Large Diameter) etc. [Fig: 2(o), Table: 2(j)]

Fig: 2(o)
% Change in 2018-19 over 2017-18 in Import & Export
of Top 10 items of Finished Steel Imported and Exported in 2018-19



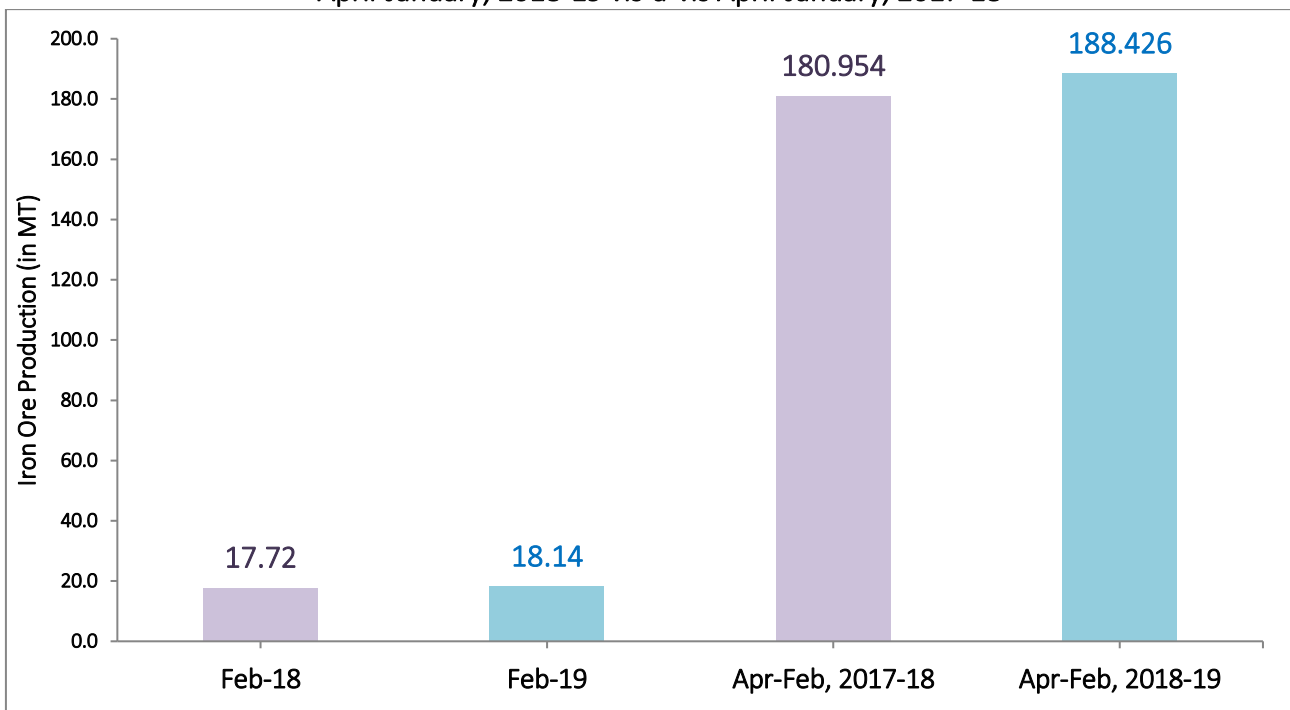
2.10 Production of Iron Ore

- During February, 2019, production of iron ore was 18.139 MT having increased by 2.37% over February, 2018 while production during April-February, 2018-19 was 188.426 MT having increased by 4.13% over April-February, 2017-18. [Fig. 2(p), Table: 2(l)]

Table: 2(k)					
Production of Iron Ore in India (in MT)					
Feb-19	Feb-18	% Change	Apr-Feb, 2018-19	Apr-Feb, 2017-18	% Change
18.139	17.719	2.37	188.426	180.954	4.13

Source: JPC

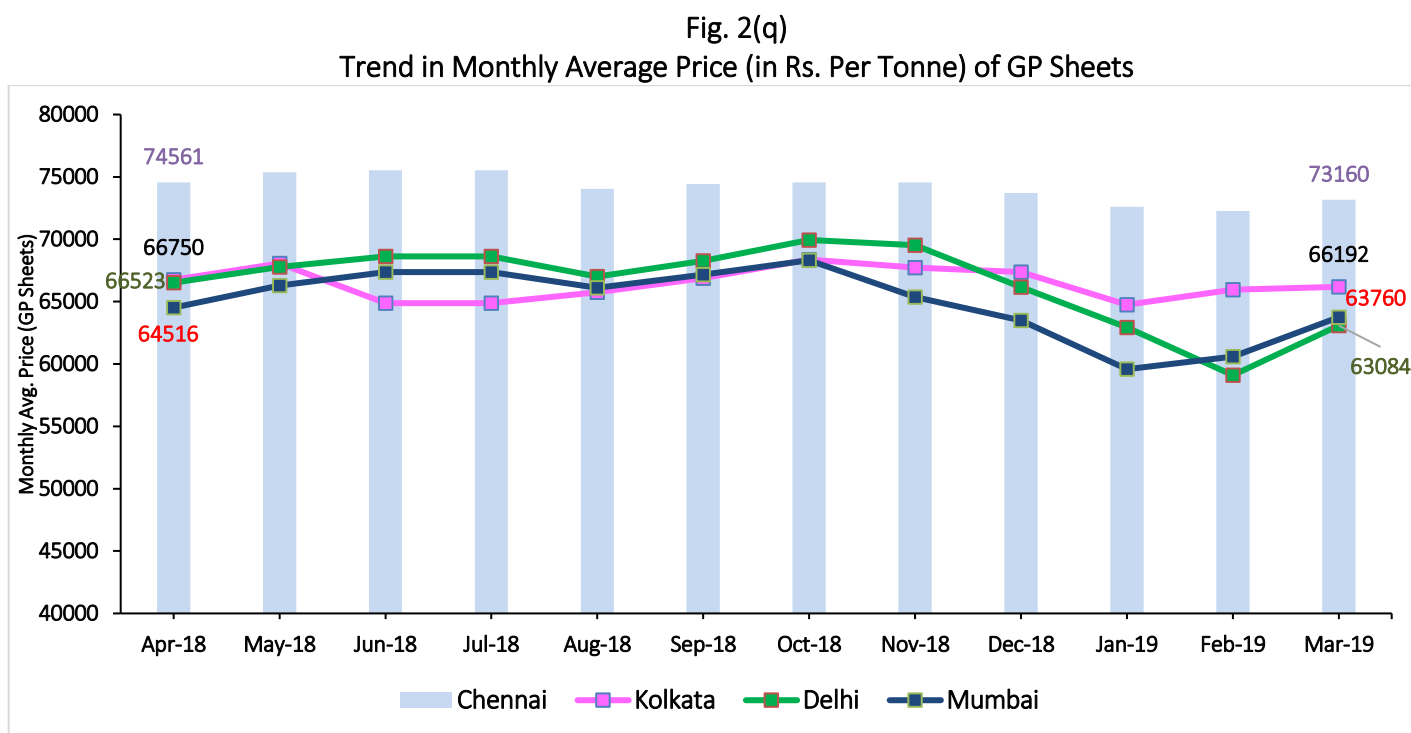
Fig. 2(p)
Production of Iron Ore (in MT) in India during
April-January, 2018-19 vis-a-vis April-January, 2017-18



Note- Source: JPC; MT:Million Tonne

2.11 Price Statistics of 4 Metropolitan Cities

a) Monthly Average Price (in Rs. Per Tonne) of GP Sheets

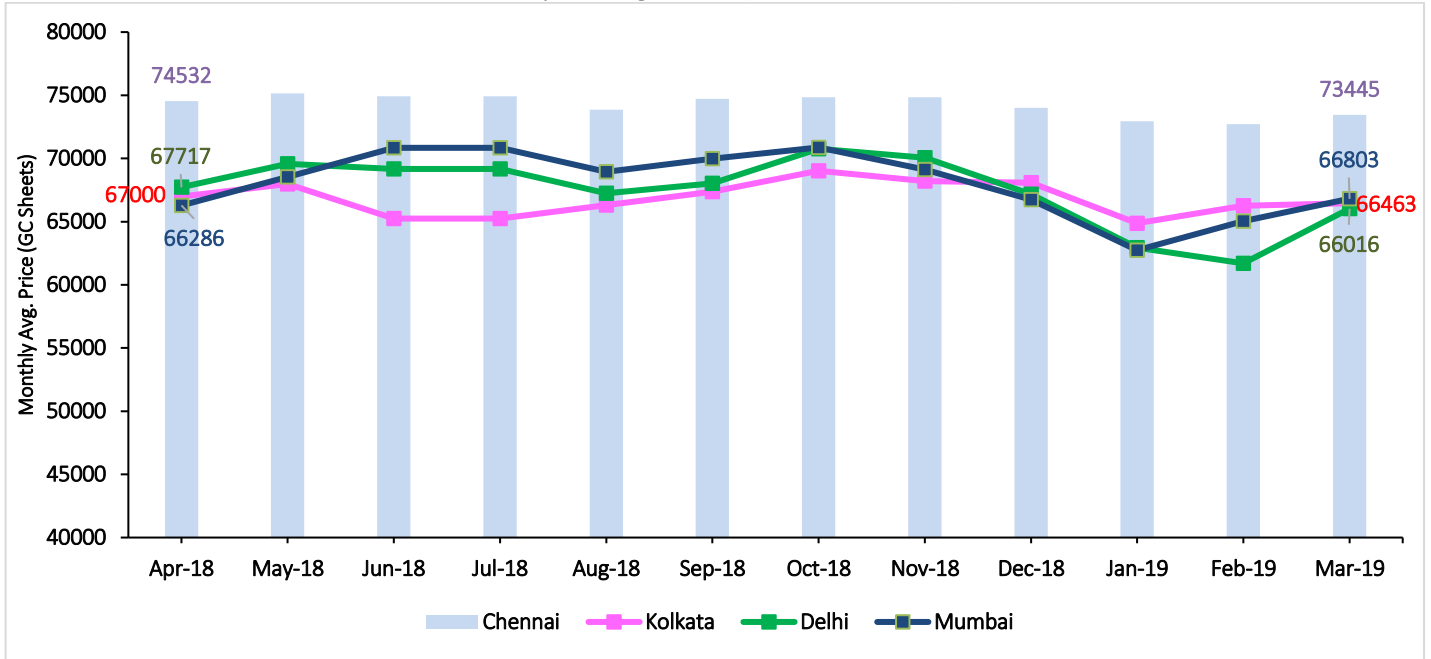


1. The price data was collected for 0.40 mm GP Sheets and 0.63 mm GP Sheets.
2. Among the 4 cities, the monthly average price of GP Sheets was much higher in Chennai than the other cities. In Chennai, the monthly avg. price has increased by 1.25% in March, 2019 over February, 2019. [Fig. 2(q)]
3. The monthly average prices of GP Sheets in Delhi, Mumbai and Kolkata have increased by 6.74%, 5.24% and 0.37% respectively during March, 2019 w.r.t February, 2019. [Fig. 2(q)]

b) Monthly Average Price (in Rs. Per Tonne) of GC Sheets

1. The price data was collected for 0.40 mm GC Sheets and 0.63 mm GC Sheets.
2. Among the 4 cities, the monthly avg. price of GC Sheets was much higher in Chennai than the other cities. In Chennai, the avg. price has increased by 1.0% in March, 2019 over February, 2019. [Fig. 2(r)]
3. The monthly average prices of GP Sheets in Delhi, Mumbai and Kolkata have increased by 7.0%, 2.72% and 0.32% respectively during March, 2019 w.r.t February, 2019. [Fig. 2(r)]

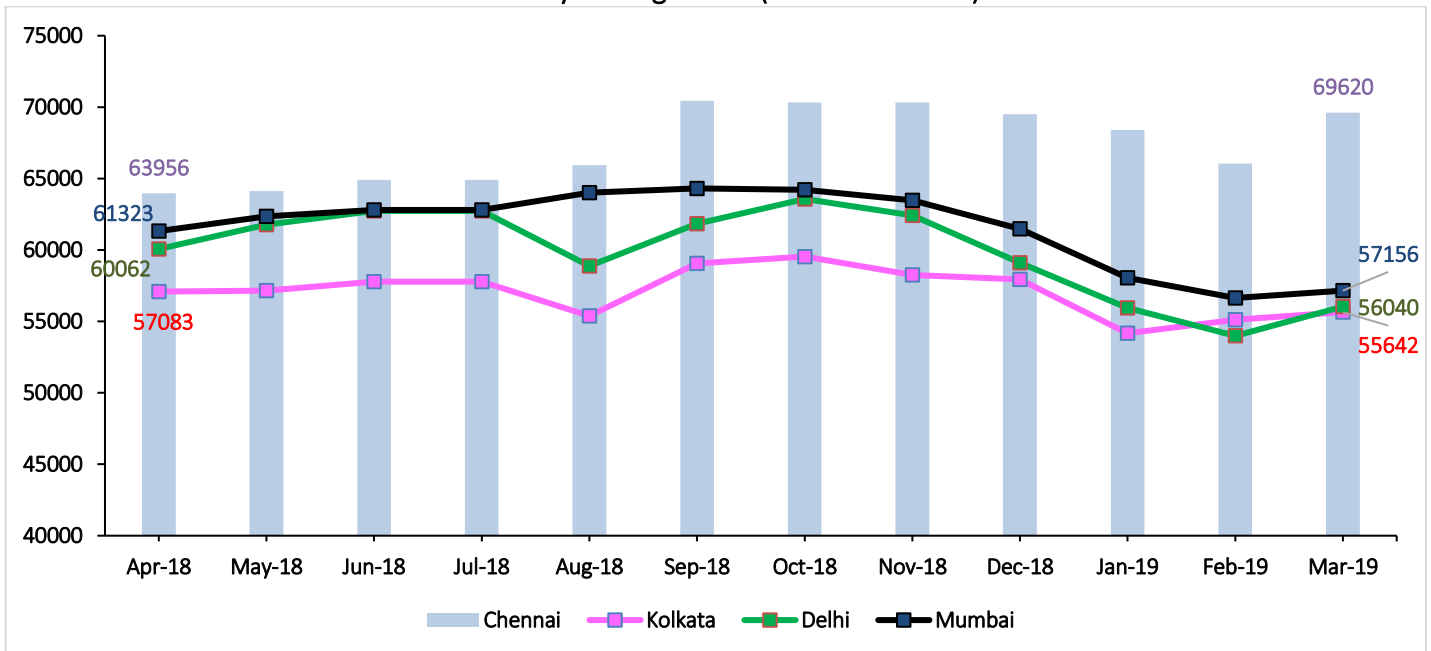
Fig. 2(r)
Trend in Monthly Average Price (in Rs. Per Tonne) of GC Sheets



c) Monthly Average Price (in Rs. Per Tonne) of CR Coils

1. The price data was collected for 0.63 mm CR Coils and 1.00 mm CR Coils.
2. In Chennai, the monthly avg. price has increased by 5.4% in March, 2019 over February, 2019. [Fig. 2(s)]
3. The monthly average prices of CR Coils in Delhi, Mumbai and Kolkata have both increased by 3.8%, 0.91% and 0.94% respectively in March, 2019 w.r.t February, 2019. [Fig. 2(s)]

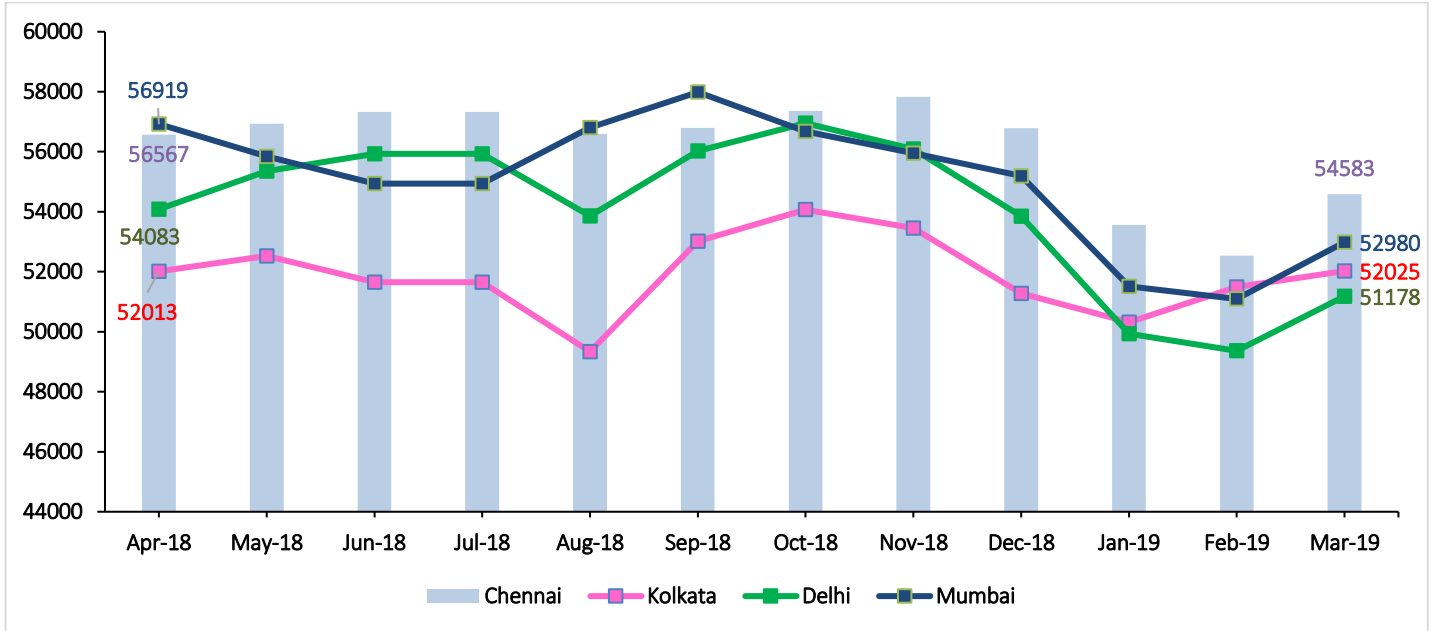
Fig. 2(s)
Trend in Monthly Average Price (in Rs. Per Tonne) of CR Coils



d) Monthly Average Price (in Rs. Per Tonne) of HR Coils

Fig. 2(t)

Trend in Monthly Average Price (in Rs. Per Tonne) of HR Coils

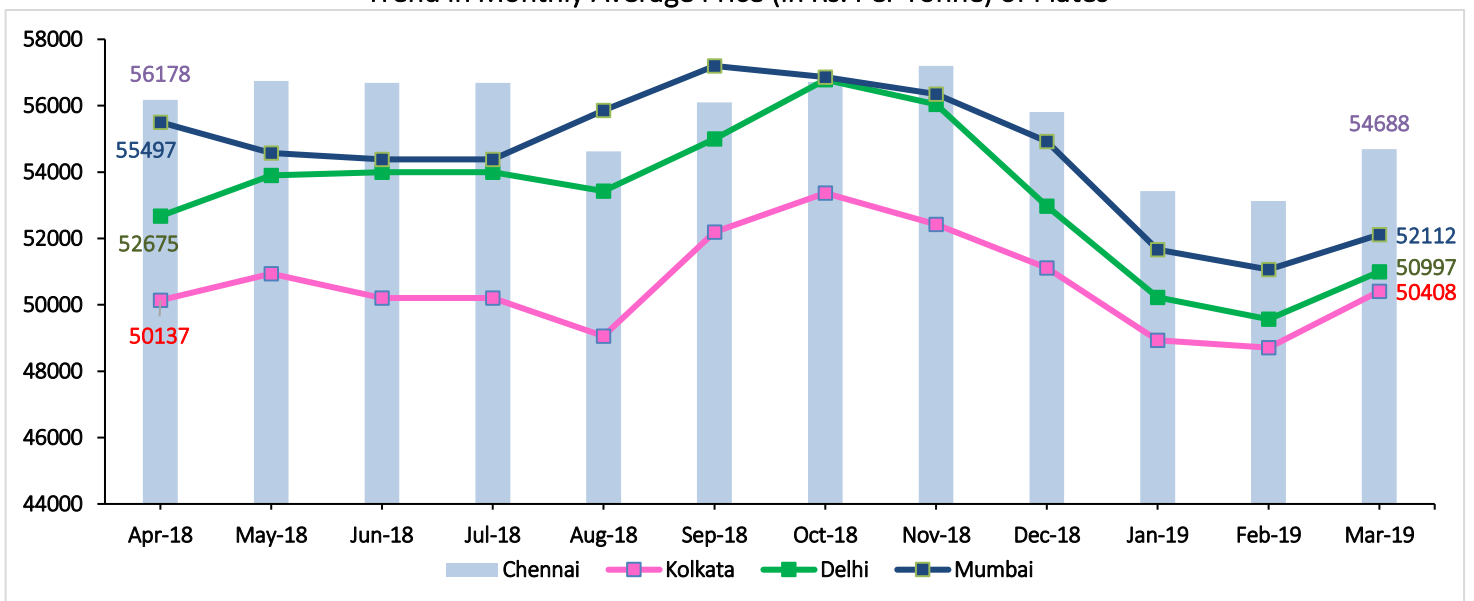


1. The price data was collected for 2.00 mm, 2.50 mm and 3.15 mm HR Coils.
2. The monthly average price of HR Coils in Kolkata, Delhi, Mumbai and Chennai have increased by 1.04%, 3.68%, 3.69% and 3.90% respectively in March, 2019 w.r.t February, 2019. [Fig. 2(t)]

e) Monthly Average Price (in Rs. Per Tonne) of Plates

Fig. 2(u)

Trend in Monthly Average Price (in Rs. Per Tonne) of Plates



1. The price data was collected for 6 mm, 10 mm, 12 mm and 25 mm Plates.

- The monthly average price of Plates in Kolkata, Delhi, Mumbai and Chennai have increased by 3.49%, 2.89%, 2.05% and 2.94% respectively in March, 2019 w.r.t February, 2019. [Fig. 2(u)]

f) Monthly Average Price (in Rs. Per Tonne) of TMT

- The price data was collected for 10 mm, 12 mm and 25 mm TMT.
- The monthly average price of TMT in Kolkata, Delhi, Mumbai and Chennai have increased by 2.72%, 1.11%, 2.39% and 3.77% respectively in March, 2019 w.r.t February, 2019. [Fig. 2(v)]

Fig. 2(v)
Trend in Monthly Average Price (in Rs. Per Tonne) of TMT

