

JSW Steel Limited

October 04, 2019

Ratings

Facilities	Amount (Rs. crore)	Rating ¹	Rating Action
Long Term Bank Facilities – Term Loan	32,459.86 (enhanced from Rs. 31,489.16)	CARE AA; Negative (Double A; Outlook: Negative)	Reaffirmed; Outlook revised from Stable to Negative
Long Term Bank Facilities – Fund Based	1,406.00 (enhanced from Rs. 1,386.00)	CARE AA; Negative (Double A; Outlook: Negative)	Reaffirmed; Outlook revised from Stable to Negative
Short Term Bank Facilities – Non Fund Based	18,505.00 (enhanced from Rs. 18,400.00)	CARE A1+ (A One Plus)	Reaffirmed
Long/Short Term Bank Facilities – Non Fund Based	11,378.00 (enhanced from Rs. 10,070.47)	CARE AA; Negative/CARE A1+ (Double A; Outlook: Negative/ A One Plus)	Reaffirmed; Outlook revised from Stable to Negative
Total Facilities	63,748.86 (Rupees Sixty Three Thousand Seven Hundred and Forty Eight Crores and Eighty Six Lakh only)		
Non-Convertible Debentures	6,421.88 (Rupees Six Thousand Four Hundred Twenty One Crore and Eighty Eight Lakh only)	CARE AA; Negative (Double A; Outlook: Negative)	Reaffirmed; Outlook revised from Stable to Negative
Commercial Paper issue (Standalone)	5,000.00 (Rupees Five Thousand Crore only)	CARE A1+ (A One Plus)	Reaffirmed
Issuer Rating[^]	-	CARE AA(Is); Negative (Double A (Issuer Rating); Outlook: Negative)	Reaffirmed; Outlook revised from Stable to Negative

Details of instruments/facilities in Annexure-1

[^]The rating is subject to the company maintaining overall gearing not exceeding 2.10 times (overall gearing projected as on March 31, 2020).

Detailed Rationale & Key Rating Drivers

The reaffirmation of ratings assigned to the bank facilities and instruments of JSWSL continue to positively factor in the improvement in the operational and financial performance of the company during FY19 (refers to period April 01 to March 31) along with JSWSL's strong presence in the domestic market. The ratings further factors in wide product offerings of the company with enriching product mix, improving raw material linkages and maintaining competitive margins through its efficient operations. The ratings also take into account the demonstrated track record of the management in turning around stressed acquired assets and brownfield project execution with effective cost management expertise.

The rating strengths are, however tempered by susceptibility of profit margins to volatility in input costs due to low availability of raw materials from captive sources and higher dependence on imports as well as presence in the inherently cyclical steel industry.

JSWSL's ability to sustain volume growth and profitability, amidst weak demand and volatility in raw material prices, timely and successful execution of its capex activity as envisaged remain the key rating sensitivities. In addition, successful operational integration of its recently acquired assets and any large-sized debt funded acquisition impacting the financial leverage of the company will remain the key rating monitorable.

Outlook: Negative

The revision in the rating outlook factors in the slowdown in the steel sector which is likely to impact the profitability of JSWSL. Furthermore, considering the capex and scheduled repayments during FY20 & FY21, the company may have to refinance part of its maturities falling due during this period which is expected to keep the debt levels elevated. The outlook

¹Complete definition of the ratings assigned are available at www.careratings.com and other CARE publications

may be revised to 'Stable' in case of an improvement in the industry dynamics ensuing higher cash flows, leading to better financial profile.

Detailed description of the key rating drivers

Key Rating Strengths

JSWSL's established presence in the Indian steel industry, strong track record of the management in project execution and cost management expertise

JSWSL, with its steelmaking capacity of 18 mtpa, has considerable presence in the steel industry in India. The company has a dominant market share in Southern and Western India. Its multi-location steel manufacturing facilities produce various upstream and downstream products. Over the past years, JSWSL has ramped up its capacities in a timely and cost-effective manner to become one of the leading steelmaker in the private sector in India. Further, the company has managed to maintain competitive margins (despite lack of raw material integration) due to its efficient operations. Apart from turning around stressed acquired assets, the company has demonstrated strong track record in green field and brownfield project execution as well as cost management expertise. Moreover, it has also acquired facilities in the US and Italy to establish its foothold across the global front.

Improvement in the operational and financial performance during FY19; albeit moderate results in Q1FY20 and elevated debt levels

During FY19, JSWSL recorded crude steel production of 16.69 million tonne (MnT) (Y-o-Y growth of about 3%) on account of improved capacity utilization at Vijayanagar and Salem plants. Increased Realisation in the domestic markets with an enriching product mix improved the PBILDT Margin on consolidated basis from 20.79% in FY18 to 22.49% in FY19. EBITDA/Tonne (on a standalone basis) increased from Rs. 8,797 in FY18 to Rs. 11,677 in FY19.

However, Q1FY20 displayed a relatively moderate performance on account of weak demand and lower steel prices; with total income of Rs. 19,953 crore, PBILDT margin of 19.24% and PAT margin of 5.05%.

On a consolidated basis, the gross debt level (including acceptances) of the company elevated to Rs. 64,052 crore as on March 31, 2019 as compared to Rs. 49,369 crore as on March 31, 2018 primarily on account of significant capex activity for expansion of its Dolvi facility. However, due to improved profitability resulting in accretion to reserves, the overall gearing remained at similar levels of 1.94x as on March 31, 2019 as compared to 1.87x as on March 31, 2018. Although higher, TDGCA and TD/PBILDT remained at similar levels of 5.03x and 3.35x for FY19 as compared to 5.36x and 3.27x for FY18 respectively.

Wide product offering with focus on enriching product mix

JSWSL earns its revenues from a well-diversified portfolio of steel products. During FY19, it maintained the share of flat rolled product to the total sales volume at 71%, and that of long rolled products at 24%. Contribution from semis stood at 5% in FY19. Due to its continuous focus on enriching product mix, the higher margin value-added and special products (VASP) accounted for 53% of total sales volumes in FY19. Further, the company is in process of increasing its downstream capacities by 3.95 mtpa respectively by FY21, which will increase the share of value-added products in the company's sales mix. Due to subdued international demand, JSWSL increased its focus on domestic markets to maintain its sales momentum. Around 85% of the sales of JSWSL came from the domestic market during FY19 (FY18: 77%).

Hedging mechanism in place mitigating foreign exchange risk

Owing to high dependence on imports for its raw material requirement and forex debt, the company remains exposed to forex risks, which are largely mitigated by way of its hedging policy covering revenue account transactions almost fully on gross basis with 6 months forward.

Key Rating Weaknesses

Lack of captive raw material sources; albeit improving owing to operationalization of iron ore mines

Since the company relies on open market purchases for its key raw materials, i.e., iron ore and coking coal, the company's profit margins are susceptible to volatility in the raw material prices.

The Company had secured rights to six (6) Category C iron ore mines under e-auctions in Karnataka, out of which four (4) have been operationalized. The balance two mines are likely to start operations by FY20, resulting in captive iron ore availability of about 5 MTPA (estimated resource of 121 MMT), which shall meet around 17-20% of total iron ore requirement. In addition, in July 2019, the company emerged as a preferred bidder for additional three (3) iron ore mines auctioned by the Karnataka Government, having aggregate resources of 93 MMT.

JSWSL's coking coal requirements is largely met through imports, the prices of which have seen significant volatility in the past. However, operationalization of Moitra mine which has extractable coal reserve of about 30 mn tonnes and recent allocated iron ore blocks in the state of Karnataka are likely to improve the company's raw material security position to some extent in the medium term. Moreover, with the improved backward integration by way of setting up of coke oven and iron ore pelletisation plant, JSWSL is able to control the overall production cost to some extent.

Commitment towards various capital-intensive projects and related risks

JSWSL had announced cumulative domestic capex of Rs.48,715 crore (57% debt funded) for its Indian operations which includes expansion plan to increase its steel-making capacity from 18 MTPA to 24 MTPA by FY21, modernisation and

expansion of downstream capacities along with other cost savings projects. The actual capex incurred till FY19 was Rs.14,371 crore. The remaining expenditure of Rs. 34,344 crore shall be executed over FY20-FY22, to be funded with debt of around Rs. 19,942 crores which is likely to increase the debt levels over a medium term. The balance is to be funded through internal accruals. Timely and successful execution of its capacity expansion projects resulting in increased cash flows as envisaged shall remain a key rating monitorable.

Furthermore, considering the capex and scheduled repayments during FY20 & FY21, the company may have to refinance part of its maturities falling due during this period, which is expected to keep the debt levels elevated.

Recent and on-going acquisitions exposing JSWSL to risk of successful business integration

JSWSL, during FY19 acquired USA and Italy based steel assets with an installed capacity of 1.5 mtpa (with potential to expand upto 3 mtpa) and 1.32 mtpa respectively and also completed the acquisition of Monnet Ispat and Energy Limited through a Special Purpose Vehicle as a consortium partner with AION Investments under IBC framework.

Furthermore, the company had also bid to acquire Bhushan Power and Steel limited (BPSL) which is another stressed steel asset under IBC framework; which was approved by the NCLT. However, JSWSL has moved to appellate tribunal to challenge the NCLT's order, owing to certain modifications made in the order. The company is expected to partner with private equity players/ financial investors for acquiring these assets, which in turn is expected to keep the borrowing levels for funding these assets lower. However, any major increase in debt for inorganic growth will be a key monitorable. Also, the company is exposed to risk of successful integration of the operations of the acquired entities.

Cyclicality of the steel industry

Prospects of steel industry are strongly co-related to economic cycles. Demand for steel is sensitive to trends of particular industries, viz. automotive, construction, infrastructure and consumer durables, which are the key consumers of steel products. These key user industries in turn depend on various macroeconomic factors, such as consumer confidence, employment rates, interest rates and inflation rates, etc. in the economies in which they sell their products. When downturns occur in these economies or sectors, steel industry may witness decline in demand.

Prospects

During FY19, finished steel production rose by 5.9% on a Y-o-Y basis to 111 million tonnes backed by a consumption growth of 7.5% to 98 million tonnes. An increase in demand from user industries like infrastructure and construction, railways, consumer durables among others were the driving factors for the rise in steel output and consumption during the year.

Finished steel production growth is likely to moderate to 3%-4% during the year FY20 on a y-o-y basis. This is because no major capacity is expected to come up from large steel players while the small steel players are estimated to increase their output at a rate similar to last year.

India's steel consumption is expected to grow by 4-5% on the back of government's expenditure towards infrastructure and construction. With the same government coming to power, the focus will continue to remain on infrastructure development in the country.

Going ahead, the international steel prices are likely to hover around USD 500-520 per tonne mainly on account of expectations of a stable demand growth. However, the global prices may witness an downward trend, owing to significant correction in raw material prices and subdued demand growth globally.

In the domestic market as well, steel prices are likely to be supported by the stable demand outlook. Also, increase in global steel prices more so in the second half of the year on account of an expectation of an improvement in demand will provide additional support to domestic steel prices as domestic steel prices follow landed price parity.

Liquidity: Adequate

The average utilization of fund and non-fund based limits stood at around 70% during the trailing 12 months ending August, 2019. The operating cycle of JSWSL during FY19 was 18 days (PY: 9 days). Furthermore, considering the capex and scheduled repayments during FY20 & FY21, the company may have to refinance part of its maturities falling due during this period which is expected to keep the debt levels elevated. However, comfort can be drawn from cash & bank balance as high as Rs 6,016 crore as on March 31, 2019 and Rs. 10,010 crore as on June 30, 2019. Also, JSWSL being the flagship company of JSW Group enjoys superior financial flexibility and strong access to capital market. In September, 2019, JSWSL has already raised USD \$400 million (around Rs.2,800 crores) through overseas bond offering for its capex and other permitted end use in accordance with the existing ECB guidelines.

Analytical approach:

CARE has adopted consolidated approach. JSWSL has 49 subsidiaries, having significant operational and financial linkages. All the subsidiaries are either operating in the similar line of business or business related to the steel sector. There is significant reliance of subsidiaries on parent and business inter-linkages present between parent and subsidiaries. Furthermore, JSWSL is merging four of its wholly owned subsidiaries with the parent company.

(List in Annexure-3)

Applicable Criteria

[Criteria on assigning Outlook to Credit Ratings](#)

[CARE's Policy on Default Recognition](#)

[Criteria for Short Term Instruments](#)

[Rating Methodology-Manufacturing Companies](#)

[Rating methodology – Steel Companies](#)

[Financial ratios – Non-Financial Sector](#)

About the Company

JSWSL is part of the JSW group, which in turn is part of the O.P. Jindal group. The JSW group has presence across various sectors, such as steel, energy, ports, cement, etc. JSWSL is one of the leading steel producers in India with a steelmaking capacity of 18 mtpa. Its integrated steel manufacturing units located across three states (i.e., Karnataka (12mtpa), Maharashtra (5mtpa) and Tamil Nadu (Salem – 1mtpa)) have facilities to produce a wide range of flat and long steel products. Furthermore, through its wholly-owned subsidiary (JSW Steel Coated Products Ltd), the company is one of the leading producers of value-added downstream steel products in India specializing in galvanized sheets, galvalume products and high-end colour coated sheets.

During FY19, JSWSL achieved its highest ever crude steel production of 16.69 MnT as against 16.27 MnT in FY18. Saleable steel volume was stable at 15.76 MnT in FY19 as compared to 15.62 MnT in FY18.

Brief Financials (Rs. crore)	FY18 (A)	FY19 (A)
Total operating income	72,549	84,891
PBILD	15,086	19,095
PAT	6,113	7,524
Overall gearing (times)	1.87	1.94
Interest coverage (times)	4.10	4.88

A: Audited

Status of non-cooperation with previous CRA: Not Applicable

Any other information: Not Applicable

Rating History for last three years: Please refer Annexure-2

Annexure-1: Details of Instruments/Facilities

Name of the Instrument	Date of Issuance	ISIN No	Coupon Rate	Maturity Date	Size of the Issue (Rs. crore)	Rating assigned along with Rating Outlook
Fund-based - LT-Cash Credit	-	-	-	-	1406.00	CARE AA; Negative
Term Loan-Long Term	-	-	-	February, 2030	32459.86	CARE AA; Negative
Non-fund-based - ST-BG/LC	-	-	-	-	18505.00	CARE A1+
Fund-based/Non-fund-based-LT/ST	-	-	-	-	11378.00	CARE AA; Negative / CARE A1+
Issuer Rating-Issuer Ratings	-	-	-	-	0.00	CARE AA (Is); Negative
Debentures-Non Convertible Debentures	August 19, 2014	INE019A07357	10.60%	August 19, 2019	0.00	Withdrawn
Debentures-Non Convertible Debentures	December 23, 2014	INE019A07407	9.72%	December 23, 2019	400.00	CARE AA; Negative
Debentures-Non Convertible Debentures	October 04, 2018	-	-	yet to be issued	4000.00	CARE AA; Negative
Debentures-Non Convertible Debentures	July 02, 2009	INE019A07167	10.60%	July 02, 2019	0.00	Withdrawn
Debentures-Non Convertible	February 02, 2010	INE019A07183	10.60%	February 02, 2020	21.88	CARE AA; Negative

Name of the Instrument	Date of Issuance	ISIN No	Coupon Rate	Maturity Date	Size of the Issue (Rs. crore)	Rating assigned along with Rating Outlook
Debentures						
Debentures-Non Convertible Debentures	May 20, 2013	INE019A07258	10.02%	May 20, 2023	500.00	CARE AA; Negative
Debentures-Non Convertible Debentures	July 19, 2013	INE019A07266	10.02%	July 19, 2023	500.00	CARE AA; Negative
Debentures-Non Convertible Debentures	August 19, 2014	INE019A07324	10.40%	August 19, 2019	0.00	Withdrawn
Debentures-Non Convertible Debentures	January 18, 2013	INE019A07241	10.34%	January 18, 2024	1000.00	CARE AA; Negative
Commercial Paper	July 11, 2019	INE019A14GS4		October 7, 2019	350.00	CARE A1+
Commercial Paper	July 16, 2019	INE019A14GT2		October 14, 2019	100.00	CARE A1+
Commercial Paper	July 22, 2019	INE019A14GU0		October 21, 2019	300.00	CARE A1+
Commercial Paper	July 23, 2019	INE019A14GV8		October 22, 2019	250.00	CARE A1+
Commercial Paper	July 31, 2019	INE019A14GY2		October 29, 2019	250.00	CARE A1+
Commercial Paper	July 31, 2019	INE019A14GZ9		October 30, 2019	150.00	CARE A1+
Commercial Paper	August 2, 2019	INE019A14HA0		October 25, 2019	250.00	CARE A1+
Commercial Paper	August 5, 2019	INE019A14HC6		October 31, 2019	200.00	CARE A1+
Commercial Paper	August 5, 2019	INE019A14HB8		November 4, 2019	200.00	CARE A1+
Commercial Paper	August 6, 2019	INE019A14HD4		November 5, 2019	50.00	CARE A1+
Commercial Paper	August 19, 2019	INE019A14HF9		November 14, 2019	200.00	CARE A1+
Commercial Paper	August 23, 2019	INE019A14HG7		November 22, 2019	200.00	CARE A1+
Commercial Paper	August 23, 2019	INE019A14HG7		November 22, 2019	100.00	CARE A1+
Commercial Paper	August 23, 2019	INE019A14HF9		November 14, 2019	200.00	CARE A1+
Commercial Paper	August 26, 2019	INE019A14HH5		November 11, 2019	210.00	CARE A1+
Commercial Paper	August 30, 2019	INE019A14HI3		November 20, 2019	200.00	CARE A1+
Commercial Paper	September 3, 2019	INE019A14HJ1		February 28, 2020	50.00	CARE A1+
Commercial Paper	September 5, 2019	INE019A14HJ1		February 28, 2020	200.00	CARE A1+
Commercial Paper	September 6, 2019	INE019A14HK9		March 3, 2020	215.00	CARE A1+
Commercial Paper	September 12, 2019	INE019A14HL7		March 11, 2020	300.00	CARE A1+
Commercial Paper	September 13, 2019	INE019A14HM5		March 12, 2020	150.00	CARE A1+
Commercial Paper	September 17, 2019	INE019A14HM5		March 12, 2020	85.00	CARE A1+
Commercial Paper	September 17, 2019	INE019A14HN3		December 16, 2019	115.00	CARE A1+
Commercial Paper	September 18, 2019	INE019A14HN3		December 16, 2019	50.00	CARE A1+
Commercial Paper	September 18, 2019	INE019A14HO1		March 6, 2020	200.00	CARE A1+

Name of the Instrument	Date of Issuance	ISIN No	Coupon Rate	Maturity Date	Size of the Issue (Rs. crore)	Rating assigned along with Rating Outlook
Commercial Paper	September 20, 2019	INE019A14HP8		December 19, 2019	335.00	CARE A1+
Commercial Paper	September 27, 2019	INE019A14HQ6		December 26, 2019	90.00	CARE A1+

Annexure-2: Rating History of last three years

Sr. No.	Name of the Instrument/Bank Facilities	Current Ratings			Rating history			
		Type	Amount Outstanding (Rs. crore)	Rating	Date(s) & Rating(s) assigned in 2019-2020	Date(s) & Rating(s) assigned in 2018-2019	Date(s) & Rating(s) assigned in 2017-2018	Date(s) & Rating(s) assigned in 2016-2017
1.	Fund-based - LT-Cash Credit	LT	1406.00	CARE AA; Negative	1)CARE AA; Stable (05-Apr-19)	1)CARE AA; Stable (08-Oct-18)	1)CARE AA-; Stable (28-Sep-17)	1)CARE AA-; Stable (29-Mar-17) 2)CARE AA- (05-Aug-16)
2.	Term Loan-Long Term	LT	32459.86	CARE AA; Negative	1)CARE AA; Stable (05-Apr-19)	1)CARE AA; Stable (08-Oct-18)	1)CARE AA-; Stable (28-Sep-17)	1)CARE AA-; Stable (29-Mar-17) 2)CARE AA- (05-Aug-16)
3.	Debentures-Non Convertible Debentures	LT	-	-	1)CARE AA; Stable (05-Apr-19)	1)CARE AA; Stable (08-Oct-18)	1)CARE AA-; Stable (28-Sep-17)	1)CARE AA-; Stable (29-Mar-17) 2)CARE AA- (05-Aug-16)
4.	Debentures-Non Convertible Debentures	LT	-	-	-	1)Withdrawn (08-Oct-18)	1)CARE AA-; Stable (28-Sep-17)	1)CARE AA-; Stable (29-Mar-17) 2)CARE AA- (05-Aug-16)
5.	Debentures-Non Convertible Debentures	LT	1000.00	CARE AA; Negative	1)CARE AA; Stable (05-Apr-19)	1)CARE AA; Stable (08-Oct-18)	1)CARE AA-; Stable (28-Sep-17)	1)CARE AA-; Stable (29-Mar-17) 2)CARE AA- (05-Aug-16)
6.	Non-fund-based - ST-BG/LC	ST	18505.00	CARE A1+	1)CARE A1+ (05-Apr-19)	1)CARE A1+ (08-Oct-18)	1)CARE A1+ (28-Sep-17)	1)CARE A1+ (29-Mar-17) 2)CARE A1+ (05-Aug-16)
7.	Fund-based/Non-fund-based-LT/ST	LT/ST	11378.00	CARE AA; Negative / CARE A1+	1)CARE AA; Stable / CARE A1+ (05-Apr-19)	1)CARE AA; Stable / CARE A1+ (08-Oct-18)	1)CARE AA-; Stable / CARE A1+ (28-Sep-17)	1)CARE AA-; Stable / CARE A1+ (29-Mar-17) 2)CARE AA- / CARE A1+ (05-Aug-16)
8.	Debentures-Non Convertible Debentures	LT	-	-	1)CARE AA; Stable (05-Apr-19)	1)CARE AA; Stable (08-Oct-18)	1)CARE AA-; Stable (28-Sep-17)	1)CARE AA-; Stable (29-Mar-17) 2)CARE AA- (05-Aug-16)
9.	Debentures-Non	LT	21.88	CARE AA;	1)CARE AA;	1)CARE AA;	1)CARE AA-;	1)CARE AA-; Stable

Sr. No.	Name of the Instrument/Bank Facilities	Current Ratings			Rating history			
		Type	Amount Outstanding (Rs. crore)	Rating	Date(s) & Rating(s) assigned in 2019-2020	Date(s) & Rating(s) assigned in 2018-2019	Date(s) & Rating(s) assigned in 2017-2018	Date(s) & Rating(s) assigned in 2016-2017
	Convertible Debentures			Negative	Stable (05-Apr-19)	Stable (08-Oct-18)	Stable (28-Sep-17)	(29-Mar-17) 2)CARE AA- (05-Aug-16)
10.	Debentures-Non Convertible Debentures	LT	500.00	CARE AA; Negative	1)CARE AA; Stable (05-Apr-19)	1)CARE AA; Stable (08-Oct-18)	1)CARE AA-; Stable (28-Sep-17)	1)CARE AA-; Stable (29-Mar-17) 2)CARE AA- (05-Aug-16)
11.	Debentures-Non Convertible Debentures	LT	500.00	CARE AA; Negative	1)CARE AA; Stable (05-Apr-19)	1)CARE AA; Stable (08-Oct-18)	1)CARE AA-; Stable (28-Sep-17)	1)CARE AA-; Stable (29-Mar-17) 2)CARE AA- (05-Aug-16)
12.	Commercial Paper	ST	2500.00	CARE A1+	1)CARE A1+ (05-Apr-19)	1)CARE A1+ (08-Oct-18)	1)CARE A1+ (28-Sep-17)	1)CARE A1+ (29-Mar-17) 2)CARE A1+ (05-Aug-16)
13.	Debentures-Non Convertible Debentures	LT	-	-	1)CARE AA; Stable (05-Apr-19)	1)CARE AA; Stable (08-Oct-18)	1)CARE AA-; Stable (28-Sep-17)	1)CARE AA-; Stable (29-Mar-17) 2)CARE AA- (05-Aug-16)
14.	Commercial Paper	ST	2500.00	CARE A1+	1)CARE A1+ (05-Apr-19)	1)CARE A1+ (08-Oct-18)	1)CARE A1+ (28-Sep-17)	1)CARE A1+ (29-Mar-17) 2)CARE A1+ (05-Aug-16)
15.	Debentures-Non Convertible Debentures	LT	-	-	1)Withdrawn (05-Apr-19)	1)CARE AA; Stable (08-Oct-18)	1)CARE AA-; Stable (28-Sep-17)	1)CARE AA-; Stable (29-Mar-17) 2)CARE AA- (05-Aug-16)
16.	Debentures-Non Convertible Debentures	LT	400.00	CARE AA; Negative	1)CARE AA; Stable (05-Apr-19)	1)CARE AA; Stable (08-Oct-18)	1)CARE AA-; Stable (28-Sep-17)	1)CARE AA-; Stable (29-Mar-17) 2)CARE AA- (05-Aug-16)
17.	Debentures-Non Convertible Debentures	LT	4000.00	CARE AA; Negative	1)CARE AA; Stable (05-Apr-19)	1)CARE AA; Stable (08-Oct-18)	1)CARE AA-; Stable (28-Sep-17)	1)CARE AA-; Stable (29-Mar-17) 2)CARE AA- (03-Oct-16)
18.	Issuer Rating-Issuer Ratings	Issuer rat	0.00	CARE AA (Is); Negative	1)CARE AA (Is); Stable (05-Apr-19)	1)CARE AA (Is); Stable (07-Jan-19)	-	-

Annexure-3: List of subsidiaries, associates and joint ventures of JSWSL considered for consolidation (as on March 31, 2019)

Sr. No.	Name of companies/ Entities	% of holding by JSWSL
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Sr. No.	Name of companies/ Entities	% of holding by JSWSL
Subsidiaries		
1	JSW Steel (UK) Limited	100
2	JSW Natural Resources Limited	100
3	JSW Natural Resources Mozambique Limitada	100
4	JSW ADMS Carvão Limitada	100
5	JSW Steel (Netherlands) B.V.	100
6	Periama Holdings, LLC	100
7	JSW Steel (USA), Inc.	90
8	Purest Energy, LLC	100
9	Planck Holdings, LLC	100
10	Prime Coal, LLC	100
11	Rolling S Augering, LLC	100
12	Caretta Minerals, LLC	100
13	Periama Handling, LLC	100
14	Lower Hutchinson Minerals, LLC	100
15	Meadow Creek Minerals, LLC	100
16	Keenan Minerals, LLC	100
17	Hutchinson Minerals, LLC	100
18	RC Minerals, LLC	100
19	Peace Leasing, LLC	100
20	JSW Panama Holdings Corporation	100
21	Inversiones Eurosh Limitada	100
22	Santa Fe Mining S.A.	70
23	Santa Fe Puerto S.A.	70
24	JSW Steel Processing Centres Limited*	100
25	JSW Jharkhand Steel Limited	100
26	JSW Bengal Steel Limited	98.69
27	JSW Utkal Steel Limited	100
28	JSW Natural Resources India Limited	98.69
29	JSW Energy (Bengal) Limited	98.69
30	JSW Natural Resources Bengal Limited	98.69
31	JSW Steel Coated Products Limited	100
32	Amba River Coke Limited	100
33	Peddar Realty Private Limited	100
34	Arima Holdings Limited	100
35	Lakeland Securities Limited	100
36	Erebus Limited	100
37	Nippon Ispat Singapore (PTE) Ltd	100
38	Acero Junction Holdings, Inc	100
39	JSW Steel USA Ohio, Inc	100
40	JSW Steel (Salav) Limited*	100
41	JSW Industrial Gases Private Limited	100
42	JSW Steel Italy S.r.l	100
43	Aferpi S.p.A	100
44	Piombino Logistics S.p.A	100

Sr. No.	Name of companies/ Entities	% of holding by JSWSL
45	GSI Lucchini S.p.A	69.27
46	Hasaud Steel Limited	100
47	JSW Retail Limited	100
48	Dolvi Mineral & Metals Private Limited*	100
49	Dolvi Coke Projects Limited*	100
Associates & Joint Ventures		
50	Creixent Special Steel Limited	48
51	Monnet Ispat & Energy Limited	23.10
52	Vijayanagar Minerals Private Limited	40
53	Rohne Coal Company Private Limited	49
54	Geo Steel LLC	49
55	JSW Severfield Structures Limited	50
56	JSW Structural Metal Decking Limited	33.33
57	Gourangdih Coal Limited	50
58	JSW MI Steel Services Center Private Limited	50
59	JSW Vallabh Tinplate Private Limited	50

*Merged into JSW Steel Limited w.e.f. 01.09.2019

Note on complexity levels of the rated instrument: CARE has classified instruments rated by it on the basis of complexity. This classification is available at www.careratings.com. Investors/market intermediaries/regulators or others are welcome to write to care@careratings.com for any clarifications.

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