

JSW Steel Limited

March 20, 2020

Ratings

Facilities	Amount (Rs. crore)	Rating ¹	Rating Action
Long Term Bank Facilities – Term Loan	32,459.86	CARE AA-; Stable (Double A Minus; Outlook: Stable)	Revised from CARE AA; Negative (Double A; Outlook: Negative)
Long Term Bank Facilities – Fund Based	1,406.00	CARE AA-; Stable (Double A Minus; Outlook: Stable)	Revised from CARE AA; Negative (Double A; Outlook: Negative)
Short Term Bank Facilities – Non Fund Based	18,505.00	CARE A1+ (A One Plus)	Reaffirmed
Long/Short Term Bank Facilities – Non Fund Based	11,378.00	CARE AA-; Stable/ CARE A1+ (Double A Minus; Outlook: Stable/ A One Plus)	Long term rating revised from CARE AA; Negative (Double A; Outlook: Negative) and short term rating reaffirmed
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-; Stable (Double A Minus; Outlook: Stable)	Revised from CARE AA; Negative (Double A; Outlook: Negative)
Commercial Paper issue (Standalone)	5,000.00 (Rupees Five Thousand Crore only)	CARE A1+ (A One Plus)	Reaffirmed
Issuer Rating[^]	-	CARE AA-(Is); Stable (Double A Minus (Issuer Rating); Outlook: Stable)	Revised from CARE AA(Is); Negative (Double A (Issuer Rating); Outlook: Negative)

Details of instruments/facilities in Annexure-1

[^]The rating is subject to the company maintaining overall gearing not exceeding 2.20 times (overall gearing projected as on March 31, 2020).

Detailed Rationale & Key Rating Drivers

The revision in ratings assigned to the bank facilities and instruments of JSWSL mainly takes into account slower than expected recovery in the steel prices, leading to contraction in the operating margins as reflected from the subdued financial performance of the company during 9MFY20. Expectations of further slowing down of the economies, both domestically and globally, would continue to add pressure on the steel prices. Increased probability of under-achievement of the projected cash-flows, especially amidst planned capex commitments in FY21 & FY22, is likely to adversely impact its debt coverage metrics. Furthermore, proposed predominantly debt-funded acquisition of Bhushan Power & Steel Limited (BPSL) is expected to keep the debt levels of the group elevated. The ratings continue to be tempered by susceptibility of profit margins to volatility in input costs and presence of the company in inherently cyclical steel industry.

However, the ratings positively factor in JSWSL's established presence in the Indian steel industry, wide product offerings of the company with enriching product mix and expected increase in raw material security on account of successful bidding for four operational mines recently auctioned by the Odisha Government. The ratings also take into account the demonstrated

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

track record of the management in turning around stressed acquired assets and brownfield project execution along with cost management expertise.

Rating Sensitivities

Positive Factors

- JSWSL's ability to improve upon its consolidated operating profitability margin; along with timely commissioning of incremental capacities, resulting into higher saleable volumes and cash-flows as envisaged
- Successful ramp-up of its recently acquired assets/companies, generating adequate cash-flows with low dependence on JSWSL for servicing their debt obligations
- Rationalization of debt levels leading to improvement in the company's capital structure

Negative Factors

- Consistent decline in consolidated operating profitability margins below 15% in the projected period
- Further deterioration in TD/GCA (Total Debt to Gross Cash Accruals) from current levels
- Any significant increase in working capital requirement or any unforeseen large debt funded capex/acquisition

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.

Subdued operational and financial performance during 9MFY20 and elevated debt levels

JSWSL reported a decline in its total income in 9MFY20 by 10.68%, mainly on account of prolonged monsoon impacting the operations at Dolvi works, sluggish demand (especially in the auto sector) and decline in steel prices. A steep decline in realizations dragged the consolidated PBILDT margin from 23.45% in 9MFY19 to 16.58% in 9MFY20. EBITDA/Tonne (on a standalone basis) reduced from ~Rs. 12,321 in 9MFY19 to ~Rs. 8,168 in 9MFY20.

Furthermore, elevated debt levels owing to ongoing capex activities also added to the finance cost, resulting in decline in consolidated GCA by 45% Y-o-Y.

On a consolidated basis, the gross debt level (including acceptances) of the company elevated to Rs. 73,112 crore as on December 31, 2019 as compared to Rs. 64,052 crore as on March 31, 2019; primarily on account of significant capex activity for expansion of its Dolvi facility and higher acceptances. With declining operating profits and elevated debt levels, TD/PBILDT increased from 3.35x in as on March 31, 2019 to 5.33x as on December 31, 2019.

Wide product offering with focus on enriching product mix

JSWSL earns its revenues from a well-diversified portfolio of steel products. During 9MFY20, it maintained the share of flat rolled product to the total sales volume at 72%, and that of long rolled products at 23%. Due to its continuous focus on enriching product mix, the higher margin value-added and special products (VASP) accounted for ~49% of total sales volumes in 9MFY20. 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 76% of the sales of JSWSL came from the domestic market during 9MFY20 (FY19: 85%).

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 contracts.

Key Rating Weaknesses

Lack of captive raw material sources; albeit set to improve 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, which have been operationalized, resulting in captive iron ore availability of about 5 MTPA (estimated resource of 121 MMT), catering to around 20-25% 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.

Recently, JSWSL also emerged as a preferred bidder for four operational mines auctioned in Odisha in Jan-Feb 2020. The estimated iron ore resources of the above mines are around 1131 MnT (the largest being Nuagaun iron ore mine block with 793 MnT reserves), with an aggregate EC (Environmental clearance) of approx. 25 MTPA. Post execution of the Mine Development and Production Agreement and all statutory clearances, JSWSL is expected to start the mining operations. Although the above mines were acquired at premium rates, the company intends to optimise on the transport & mining costs.

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 & Odisha are likely to improve the company's raw material security position to a considerable 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 23 MTPA by FY21, modernisation and expansion of downstream capacities along with other cost savings projects. The actual capex incurred till 9MFY20 was Rs. 22,138 crore. As per the capex guidance provided by the management at the start of FY20, the remaining expenditure of ~Rs. 26,600 crore shall be executed over Q4FY20-FY22, to be funded with debt of around ~Rs. 13,700 crores which is likely to increase the debt levels over a medium term. The balance (~Rs. 12,900 crores) 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.

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), another stressed steel asset under IBC (Insolvency Bankruptcy Code 2016) framework; which was approved by the NCLAT's (National Company Law Appellate Tribunal) order dated February 17, 2020. The Supreme Court's verdict on the appeal made against NCLAT order is awaited. JSWSL's cash outflow for the proposed acquisition is expected to be ~Rs. 4,250 crore.

CARE shall continue to monitor and review the impact of the acquisition on the financial profile of JSWSL, post Supreme Court's final verdict.

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 per tonne mainly on account of expectations of a stable demand growth in the long-run. However, the global prices may witness a downward trend, owing to significant volatility in raw material prices and subdued demand growth globally.

In the domestic market as well, steel prices are likely to remain volatile observing the trend in the raw material prices. The overall demand outlook in the domestic as well as the global market is likely to remain muted, adding pressure on the steel price.

Liquidity: Adequate

Consolidated free cash & bank balance of JSWSL stood at Rs 9,133 crore as on December 31, 2019. The average utilization of fund and non-fund based limits stood at around 62% during trailing 12 months ending January, 2020, reserving balance unutilized facilities for contingencies. Adequate liquidity is characterized by sufficient cushion in accruals (projected to be Rs. 13,383 crore for FY21) vis-à-vis repayment obligations (~ Rs. 7,100 crores in FY21). Its planned capital expenditure for FY21 (as per guidance provided at the start of FY20) is Rs. 16,000 crore, envisaged to be funded through a mix of internal accruals of ~Rs. 5,500 crore and the balance through external funding. Also, JSWSL being the flagship company of JSW Group enjoys superior financial flexibility and strong access to capital market. The operating cycle of JSWSL remained at around was 18 days during FY19.

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](#)

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

[Rating Methodology-Manufacturing Companies](#)

[Rating methodology – Steel Companies](#)

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
PBILDT	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

The financials have been re-classified as per CARE Standards.

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
Non-fund-based - ST-BG/LC	-		-	-	18505.00	CARE A1+
Fund-based/Non-fund-based-LT/ST	-		-	-	11378.00	CARE AA-; Stable / CARE A1+
Fund-based - LT-Cash Credit	-		-	-	1406.00	CARE AA-; Stable
Term Loan-Long Term	-		-	-	32459.86	CARE AA-; Stable
Issuer Rating-Issuer Ratings	-		-	-	0.00	CARE AA- (Is); Stable
Debentures-Non Convertible Debentures	January 18, 2013	INE019A07241	10.34%	January 18, 2024	1000.00	CARE AA-; Stable
Debentures-Non Convertible Debentures	December 23, 2014	INE019A07407	9.72%	December 23, 2019	400.00	CARE AA-; Stable
Debentures-Non Convertible Debentures	Proposed	NA	NA	NA	1000.00	CARE AA-; Stable
Debentures-Non Convertible Debentures	October 18, 2019	INE019A07415	8.79%	October 17, 2029	2000.00	CARE AA-; Stable
Debentures-Non Convertible Debentures	January 23, 2020	INE019A07423	8.90%	January 22, 2030	1000.00	CARE AA-; Stable
Debentures-Non Convertible Debentures	February 02, 2010	INE019A07183	10.60%	February 02, 2020	21.88	CARE AA-; Stable
Debentures-Non Convertible Debentures	May 20, 2013	INE019A07258	10.02%	May 20, 2023	500.00	CARE AA-; Stable
Debentures-Non Convertible Debentures	July 19, 2013	INE019A07266	10.02%	July 19, 2023	500.00	CARE AA-; Stable
Commercial Paper	September 12, 2019	INE019A14HL7		March 11, 2020	30.00	CARE A1+
Commercial Paper	September 12, 2019	INE019A14HL7		March 11, 2020	175.00	CARE A1+
Commercial Paper	September 12, 2019	INE019A14HL7		March 11, 2020	55.00	CARE A1+
Commercial Paper	September 12, 2019	INE019A14HL7		March 11, 2020	40.00	CARE A1+
Commercial Paper	September 13, 2019	INE019A14HM5		March 12, 2020	110.00	CARE A1+
Commercial Paper	September 13, 2019	INE019A14HM5		March 12, 2020	40.00	CARE A1+
Commercial Paper	September 17, 2019	INE019A14HM5		March 12, 2020	85.00	CARE A1+
Commercial Paper	September 18, 2019	INE019A14HO1		March 6, 2020	200.00	CARE A1+
Commercial Paper	November 22, 2019	INE019A14IE0		March 16, 2020	150.00	CARE A1+
Commercial Paper	November 22, 2019	INE019A14IE0		March 16, 2020	50.00	CARE A1+
Commercial Paper	November 22, 2019	INE019A14IE0		March 16, 2020	100.00	CARE A1+
Commercial Paper	December 09, 2019	INE019A14IF7		March 23, 2020	200.00	CARE A1+
Commercial Paper	December 09, 2019	INE019A14IG5		June 01, 2020	100.00	CARE A1+
Commercial Paper	December 16, 2019	INE019A14IH3		June 04, 2020	165.00	CARE A1+
Commercial Paper	December 19, 2019	INE019A14II1		June 05, 2020	235.00	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	December 19, 2019	INE019A14IJ9		May 20, 2020	100.00	CARE A1+
Commercial Paper	December 23, 2019	INE019A14IK7		May 22, 2020	200.00	CARE A1+
Commercial Paper	December 26, 2019	INE019A14IJ9		May 20, 2020	90.00	CARE A1+
Commercial Paper	December 30, 2019	INE019A14IJ9		May 20, 2020	110.00	CARE A1+
Commercial Paper	January 07, 2020	INE019A14IL5		June 10, 2020	60.00	CARE A1+
Commercial Paper	January 07, 2020	INE019A14IL5		June 10, 2020	40.00	CARE A1+
Commercial Paper	January 07, 2020	INE019A14IM3		April 03, 2020	25.00	CARE A1+
Commercial Paper	January 07, 2020	INE019A14IM3		April 03, 2020	25.00	CARE A1+
Commercial Paper	January 16, 2020	INE019A14IN1		June 15, 2020	200.00	CARE A1+
Commercial Paper	January 24, 2020	INE019A14IO9		June 12, 2020	100.00	CARE A1+
Commercial Paper	January 24, 2020	INE019A14IO9		June 12, 2020	50.00	CARE A1+
Commercial Paper	January 24, 2020	INE019A14IP6		June 18, 2020	150.00	CARE A1+
Commercial Paper	January 28, 2020	INE019A14IQ4		April 28, 2020	250.00	CARE A1+
Commercial Paper	February 03, 2020	INE019A14IR2		April 29, 2020	100.00	CARE A1+
Commercial Paper	February 03, 2020	INE019A14IS0		July 15, 2020	50.00	CARE A1+
Commercial Paper	February 03, 2020	INE019A14IS0		July 15, 2020	50.00	CARE A1+
Commercial Paper	February 04, 2020	INE019A14IR2		April 29, 2020	50.00	CARE A1+
Commercial Paper	February 04, 2020	INE019A14IT8		May 05, 2020	200.00	CARE A1+
Commercial Paper	February 18, 2020	INE019A14IU6		July 29, 2020	300.00	CARE A1+
Commercial Paper	Proposed	NA		7-365 days	1115.00	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-; Stable	1)CARE AA; Negative (04-Oct-19) 2)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-; Stable	1)CARE AA; Negative (04-Oct-19) 2)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)Withdrawn (04-Oct-19) 2)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)

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
								17) 2)CARE AA- (05-Aug-16)
5.	Debentures-Non Convertible Debentures	LT	1000.00	CARE AA-; Stable	1)CARE AA; Negative (04-Oct-19) 2)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+ (04-Oct-19) 2)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-; Stable / CARE A1+	1)CARE AA; Negative / CARE A1+ (04-Oct-19) 2)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)Withdrawn (04-Oct-19) 2)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 Convertible Debentures	LT	21.88	CARE AA-; Stable	1)CARE AA; Negative (04-Oct-19) 2)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)
10.	Debentures-Non Convertible Debentures	LT	500.00	CARE AA-; Stable	1)CARE AA; Negative (04-Oct-19) 2)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-; Stable	1)CARE AA; Negative (04-Oct-19) 2)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)

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
								16)
12.	Commercial Paper	ST	2500.00	CARE A1+	1)CARE A1+ (04-Oct-19) 2)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)Withdrawn (04-Oct-19) 2)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; Stable (05-Aug-16)
14.	Commercial Paper	ST	2500.00	CARE A1+	1)CARE A1+ (04-Oct-19) 2)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; Stable (05-Aug-16)
16.	Debentures-Non Convertible Debentures	LT	400.00	CARE AA-; Stable	1)CARE AA; Negative (04-Oct-19) 2)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; Stable (05-Aug-16)
17.	Debentures-Non Convertible Debentures	LT	4000.00	CARE AA-; Stable	1)CARE AA; Negative (04-Oct-19) 2)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; Stable (03-Oct-16)
18.	Issuer Rating-Issuer Ratings	Issuer rat	0.00	CARE AA- (Is); Stable	1)CARE AA (Is); Negative (04-Oct-19) 2)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
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

Sr. No.	Name of companies/ Entities	% of holding by JSWSL
43	Aferpi S.p.A	100
44	Piombino Logistics S.p.A	100
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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