

EXECUTIVE SUMMARY

M/s. JSW Steel Limited, Salem works is a part of JSW group, leading manufacturer of alloy steels to meet the requirement of auto mobile sectors and engineering applications. The plant is located at M.Kallipatti and Pottaneri Village of Mettur taluk, Salem district, Tamilnadu state. JSW Steel, Salem works is planning to expand the existing capacity from 1 to 1.3 MTPA. In this regard, M/s. JSW Steel Ltd is planned to approach MoEF and obtain environmental clearance from the ministry for the proposal of plant expansion.

To enhance the capacity from 1 to 1.3 MTPA, the following units namely additional sinter plant of 90 m², Blast furnace 1 & 2 will be enhanced, Energy Optimization Furnace 1 will be enhanced, new bloom caster will be installed by enhancing the capacity of BRM from 0.4 MTPA to 0.48 MTPA and Blooming mill from 0.36 to 0.48 MTPA respectively. Installation of new annealing furnace of 0.06 MT, additional oxygen plant of 250 TPD and additional 30 MW power plant are also planned.

The existing land area is 586.09 acres. This land will be utilized for the expansion of the plant.

The name plate capacity of the plant is 1 MTPA Integrated steel plant. The Proposed configuration for 1.3 MTPA plant is as shown in **Table 1.1**.

Table 1.1
Proposed configuration for 1.3 MTPA

Manufacturing Facilities	Existing Capacity	Proposed Expansion	Total Capacity after Expansion
1.0 Coke Oven Plant -1 (Non – Recovery Type)	0.50		0.5
2.0 Sinter Plant – 1 (20 Square Meter)	0.175		0.0
2.1 Sinter Plant – 2 (90 Square Meter)	1.06		1.06
2.2 Sinter Plant – 3 (90 Square Meter)		1.06	1.06
4.0 Blast Furnace – 1 (402 to 650 Cubic Meter)*	0.367	0.316	0.683
4.0 Blast Furnace – 2 (550 to 650 Cubic Meter)	0.578	0.105	0.683
5.0 Energy Optimising Furnace – 1 (45 T to 65 T)	0.41	0.23	0.64
5.1 Energy Optimising Furnace – 2 (65 T)	0.62		0.62
7.0 Ladle Furnace - 1 with Common VD (45 T to 65 T)			
7.1 Ladle Furnace – 2 (65 T)			
7.2 Ladle Furnace - 3 common VD (65 T)			
7.3 Ladle Furnace - 4 (65 T)			
8.0 Continuous Casting Machine - 1	0.35		0.35
8.1 Continuous Casting Machine - 2	0.5		0.5
8.2 Continuous Casting Machine - 3		0.45	0.45
9.0 Bar & Rod Mill Augmentation	0.4	0.08	0.48
9.1 Blooming Mill Augmentation	0.36	0.12	0.48
10.0 Annealed Steel unit	0.00	0.06	0.06
11.0 peeled and ground	0.00	0.04	0.04
12.0. Air Separation Plant 1 – 150 Ton/Day			
12.1 Air Separation Plant 2 – 390 Ton/Day			
12.2 Air Separation Plant 3 – 250 Ton/Day			
13.0 Captive Power Plant 1 (7 MW)			
13.1 Captive Power Plant 2 (2 x 30 MW)			
13.2 Captive Power Plant 3 (1 x 30)			