

JSW STEEL (SALAV) LIMITED
Village - Salav, PO Revdanda, Taluka - Murud, District - Raigad,
Maharashtra - 402202

Brief Summary of the project:

The process of acquisition & non-availability of Natural gas have delayed the proposed expansion. It is therefore now proposed to expand the existing plant & set up additional units to reach capacity of 3 Mtpa at Salav. The Environmental Clearance for 1.5 Mtpa steel plant is due for renewal in Jan 2016. It is therefore proposed to apply for getting Environmental Clearance for 3.0 Mtpa steel plant from MoEF. This report is prepared for submission to MoEF for getting EC for 3.0 Mtpa Steel Plant.

Presently, the DRI plant uses Natural Gas for production of HBI. Natural Gas for steel industry is becoming very scarce in India & the prices are also increasing. It is apprehended that it may no longer be viable to operate this plant with Natural Gas leading to closure of the plant and loss of employment of people.

JSW takes pride in serving the community and hence it is proposed to substitute the Natural Gas by Corex Gas for producing Sponge Iron and other plant uses.

The corex gas shall be produced by installing two (2) Corex unit of 0.85 Mtpa each. This plant shall generate sufficient gas to replace bulk of the requirement of NG in DRI & thus make this plant viable for operation.

This type of corex gas based DRI Plant is already operating in JSW Vijayanagar Works and is considered clean technology.

Corex plant will generate about 320,000 Nm³/hr of Corex gas having total energy of 630 Gcal/hr. Out of 630 Gcal/hr energy, about 8% (50 Gcal/hr) would be used internally in the Corex plant and remaining 92% (580 Gcal/hr) would be used partly for production of DRI and also for meeting the requirements of Mills, Pellet plant etc. The energy requirement in the DRI Plant is 590 Gcal/hr. Out of the 590 Gcal/hr energy requirement, Corex gas will supply most of the energy to DRI plant and the shortfall will be made up by Natural Gas.

The proposed capacity expansion has been envisaged keeping in view the economies of scale and the projected demand of steel in domestic market. The total capital investment in the proposed project will be around **Rs. 12,000 crores** including power plant and cement plant. The proposed investment will further boost the socio-economic profile of the region and will open up additional employment opportunities for the local people in the region.

The details of the plant facilities are enumerated below.

Details of facilities envisaged for obtaining EC at Salav

S. N.	Facilities	Unit	Application now for 3.0 MTPA
1.	Jetty	MTPA	17
2.	RMHS	MTPA	10
3.	DRI	MTPA	1.75
4.	Pellet Plant	MTPA	4.0
5.	Corex	No. x MTPA	2 X 0.85
6.	SMS-EAF	No. x T	2 x 240
7.	Ladle Furnace	No. x T	2 x 240
8.	RH-Degasser	No. x T	1 x 240
9.	Slab Caster		-
10.	Thin Slab Caster	No. x Strand	2 x 1 strand
11.	Compact Strip Mill	MTPA	3.0
12.	Beam Blank/Bloom Caster	No. x Strand	1 x 3 strand
13.	Medium Section Mill	MTPA	0.7
14.	Heavy Section Mill	MTPA	0.8
15.	Lime Plant	TPD	600
16.	Dolo Plant	TPD	300
17.	Oxygen Plant	No. x TPD	2 x 2200
18.	Captive Power Plant (Coal Based)	MW	330
19.	Cement Plant	MTPA	1.0
20.	DG	MW	1x2.5
21.	Township		√