



JSW Steel Limited

CIN - L27102MH1994PLC152925

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EMD/GOV/F016/2748

22.10.2015

To,
The Scientist F,
Ministry of Environment, Forests and Climate Change
IA Division, Indira Paryavaran Bhawan,
Jorbagh, Aliganj
New Delhi-110003.

Subject: Environmental Clearance issued to M/s JSW Steel Ltd., for the expansion of Integrated Steel Plant from 10 MTPA to 16 MTPA along with Captive Power Plant (600 MW)

Ref: EC issued to JSW Steel F.NO. J-11011/489/2009-IA II.(I) dated 01.10.2015.

Sir,

We acknowledge with thanks, the receipt of the EC issued for our proposed "Expansion of Integrated Steel Plant from 10 MTPA to 16 MTPA along with Captive Power Plant (600 MW)". As directed we have published the information of issue of EC in three news papers on 07.10.2015 and the copies are enclosed as Annexure -1.

We wish to bring to your kind notice the following:

1. **Typographical errors:** In the EC, there are some minor typographical errors which need to be corrected. The details of the corrections required are enclosed in Annexure -2.
2. **Change in production facilities:** The project of expansion of crude steel capacity from 10 MTPA to 16 MTPA was originally initiated in January 2009 and the EC for the same has been received from MoEFCC vide above referred letter dated on 01.10.2015.

In the meanwhile, several changes have taken place in the market conditions, and steel technology. Some of the new technologies in Steel Melting Shop (Sub lancing; Dry gas cleaning; KR process; Dry slag granulation; electromagnetic stirring; non sticky & post combustion lance) , Iron Making (Over burden probes; Higher PCI rate) and use of pet

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coke & anthracite in place of coal has been developed. It has thus become necessary to modify some of the originally envisaged production facilities to match with the changed market conditions, within the approved overall capacity of 16 MTPA. The details of proposed changes are enclosed as Annexure - 3. The salient changes are:

- i. Augmentation of Blast Furnace -1 from 1250 m³ to 2300 m³ and installation of 5500 m³ capacity blast furnace, in place of two blast furnaces of 4019 m³
- ii. Augmentation of BOF converter capacity from 175 tons to 187 tons in SMS -2 and installation of one 150 ton Electric Arc Furnace & two operating BOF Converters, in place of four converters of 180 ton capacity.
- iii. Necessary changes in other production facilities and auxiliaries to match with the above changes

The environmental impacts of above proposed changes have been examined by M/s MECON Ltd., and the report is enclosed as Annexure -4. It is noted that environmental impacts of these changes are lesser due to reduced emission levels than those impacts predicted in the EIA carried out earlier for the expansion and thus found favorable.

3. **Greenery:** A Green belt of 33% has been suggested in the above EC. It may please be noted that requirement of the green belt was stipulated as 25% in the EC issued for the expansion from 4 MTPA to 10 MTPA, which is being followed by us. Further, all the units under expansion from 10 MTPA to 16 MTPA are planned within the existing steel plant area itself, without any fresh acquisition of land. In view of this, we request you to retain the extent of green belt at 25%.
4. **Use of treated wastewater in greenery:** We have been successful in developing greenery within plant premises using treated wastewater. Till date nearly 16 lakh trees have been planted. Further, there is large potential for extending this greenery beyond the steel plant complex where the area is totally barren. The State administration, Forest dept. and Defense establishments who are the owners of these adjacent land areas have expressed interest and requested us to help in enhancement of greenery over more than 500 hectares of barren land. It is proposed to use treated wastewater (meeting the requirement of irrigation water quality) for use in development of greenery beyond our complex. This additional area will not be considered in the mandated green belt area of 25% mentioned in point No.3
5. **Expenditure on CSR:** A 5% expenditure on CSR has been mandated in the EC. In this connection, we wish to inform you that JSWSL was established in 1994 and over the period a large number of activities have been taken up under CSR and completed by JSW

Foundation, which is the apex organization for project execution. The same is being continued as per the requirements of 2% on PAT in accordance with the Company Act.

We also wish to draw your attention that Government of Karnataka has set up a Special Purpose Vehicle (SPV) for carrying out R&R activities in the Sandur Taluk, to bring major Socio-Economic improvements in the area, where our steel plant is located. This is expected to lead to substantial development of the area.

The OM dated No.J-11013/25/2014-IA.I dated 11th August 2014 indicates clearly that adequate funds are to be provided for addressing the issues raised in the public hearing, for which we have made necessary allocation.

In view of the above, we request you to waive the CSR expenditure of 5% of project cost indicated in the EC.

We request you to kindly issue suitable amendments to the Environmental Clearance issued to us for the proposed expansion of crude steel capacity to 16 MTPA.

Thanking You.

Yours faithfully,
For JSW Steel Limited,



SMR Prasad
AVP (Environment Management)

Enclosures :

Annexure - 1 : Information on the issue of EC by MoEFCC in three news papers

Annexure - 2 : Typographical errors in EC, requiring corrections.

Annexure - 3 : Proposed changes in the plant capacity.

Annexure- 4 : Impact of the proposed changes on environment - report no.11.S2.2015.PP2215 prepared by Mecon Ltd.,