



**REGD.POST WITH ACK.DUE**

**CONSENT ORDER FOR ESTABLISHMENT**

**Order No.142/PCB/CFE/RO-KNL/HO/2009**

**Dt.31.05.2010**

**Sub: PCB – CFE - M/s Oswal Smelters Pvt. Ltd, Sy.No.31-1, 31-2A, 31-2B, 31-3, 32-2B, 37-2A, 38-1A, 38-1B, 38-2, 48-1A, Gollapuram(V), Hindupur(M), Anantapur District – Consent for Establishment of the Board under Sec.25 of Water (P & C of P) Act, 1974 and Under Sec.21 of Air (P&C of P) Act, 1981 - Issued - Reg.**

- Ref:**
- 1) Public hearing conducted on 12.8.2009 at MPP UP School, Gollapuram(V), Hindupur(M), Anantapur District.
  - 2) Industry's application received through SWCC on 8.10.2009 & addl.information received on 11.11.2009
  - 3) R.O's inspection report dt. 16.12.2009
  - 4) CFE Committee meeting held on 10.2.2010
  - 5) Environmental Clearance dt. 13.5.2010 issued by MOE&F, GOI.

1. In the reference 2<sup>nd</sup> cited, an application was submitted to the Board seeking Consent for Establishment (CFE) to setup Ferro Alloy Plant to produce the following products with installed capacities as mentioned below, with a project cost of Rs. 56.03 Crores.

Sl. No.	Products	Capacity
1	Ferro Silicon OR	19000 TPA
2	Silico manganese OR	42750 TPA
3	Ferro manganese OR	55500 TPA
4	Ferro Chrome	42750 TPA

2. As per the application, the above activity is to be located at Sy.No.31-1, 31-2A, 31-2B, 31-3, 32-2B, 37-2A, 38-1A, 38-1B, 38-2, 48-1A, Gollapuram(V), Hindupur(M), Anantapur District in an area of 29.28 acres.
3. The above site was inspected by the Asst. Environmental Engineer-I, Regional office, Kurnool, A.P Pollution Control Board on 19.11.2009 and found that the site is surrounded by

**North** : Vacant land

**South** : Vacant land

**East** : Proposed site of M/s Surbhi Steels Pvt Ltd.

**West** : Vacant land

4. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues CONSENT FOR ESTABLISHMENT to your unit Under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. **This order is issued to manufacture the products as mentioned at para (1) only.**
5. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.
6. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

Encl: Schedule 'A'  
Schedule 'B'

Sd/-  
MEMBER SECRETARY

To  
M/s. Oswal Smelters Pvt. Ltd,  
Door.No.6, 2<sup>nd</sup> Main Road, Ramchanrapuram,  
Bangalore - 560021

/// T.C.F.B.O///

  
JOINT CHIEF ENVIRONMENTAL ENGINEER(CFE)

2/6/10

ajs  
AB

2. The maximum Waste Water Generation (KLD) shall not exceed the following:

S. No.	Source	Wastewater generation	Treatment & disposal
1	Domestic	8.0 KLD	Septic tank followed by soak pit

3. The effluents shall be treated to the on land for irrigation standards, stipulated under Environment (Protection) Rules, 1986, notified and published by Ministry of Environment and Forests, Government of India as specified in Schedule VI vide G.S.R.422 (E), dt.19.05.1993 and its amendments thereof, and additional standards / conditions stipulated by APPCB.
4. Once through cooling shall be adopted for cooling system. No waste water shall be discharged outside the factory premises under any circumstances.
5. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.
- Industrial cooling, boiler feed.
  - Domestic purposes.
  - Processing, whereby water gets polluted and pollutants are easily bio-degradable.
  - Processing, whereby water gets polluted and the pollutants are not easily bio-degradable.

**Air:**

6. The Air pollution Control equipment shall be installed along with the commissioning of the activity and shall comply with the following for controlling air pollution.

Sl. No.	Details of Stack	Stack 1 – 3	Stack - 4
a)	Attached to:	Submerged Electric Arc furnaces – 3 Nos.	D.G Set
b)	Capacity	3 x 9 MVA	500 KVA
c)	Fuel from	Electricity	Liquid
d)	Fuel quantity	Electricity	
e)	Stack height :	30 m each	7 m (above building)
f)	Diameter / size in m.	1.2 mtrs	0.25m
g)	Details of Air Pollution Control Equipment.	Fume extraction system and cleaning system with bag filters. (3 nos)	Silencer

7. Continuous online monitoring facilities for all the stacks and sufficient air pollution control equipments viz., fume extraction systems with bag filters, ID fan and stack of adequate height to submerged arc furnace shall be provided to control emissions.
8. The industry shall always place the hood over the furnaces to suck the emissions, except during charging of raw materials into the furnace.

### **SCHEDULE - A**

1. Progress on implementation of the project shall be reported to the concerned Regional Office, A.P. Pollution Control Board once in six months.
2. Separate energy meters shall be provided for Effluent Treatment Plant (ETP) and Air pollution Control equipments to record energy consumed.
3. The proponent shall obtain Consents for Operation (CFO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the activity.
4. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec.27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions by the Board.
5. The consent of the Board shall be exhibited in the factory premises at a conspicuous place for the information of the inspecting officers of different departments.
6. Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.
7. Floor washing shall be admitted into the effluent collection system only and shall not be allowed to find their way in storm drains or open areas. The industry shall maintain a good housekeeping. All pipe valves, sewers, drains shall be leak proof. Dyke walls shall constructed around storage of chemicals.
8. Rain Water Harvesting (RWH) structure (s) shall be established on the plant site. The proponent shall ensure that effluent shall not enter the Rain Water harvesting structure.
9. The rules and regulations notified by Ministry of Law and Justice, GOI, regarding the Public Liability Insurance Act, 1991 shall be followed.
10. This order is valid for period of 5 years from the date of issue.

### **SCHEDULE - B**

#### **Water:**

1. The source of water is Ground water and the maximum permitted water consumption is 94.0 KLD.

<b>S. No.</b>	<b>Source</b>	<b>Water Consumption</b>
1	Cooling tower makeup	84 KLD
2	Domestic	10 KLD
	<b>Total</b>	<b>94 KLD</b>

9. The industry shall provide dust suppression system at all the discharge and feed points. The industry shall install necessary air pollution control equipments viz., Bag filters in coal crushing & screening, Stock house, Cooler discharge, Products Separation areas etc. All the conveyors shall be covered with G.I sheets to prevent fugitive emissions. All the internal roads shall be concerted / asphalted to control fugitive emissions.
10. The industry shall install appropriate and adequate dust extraction system and water spray system in coal handling areas, stock piles, ash handling points, transfer areas and other dusty areas to control dust emissions.
11. The Bag filters proposed to be installed for the furnace shall be designed such that 25% of additional bags are provided as spare in the Bag house to meet the emergency requirements.
12. The industry shall take appropriate measures for controlling fugitive emissions during tapping operations of Arc Furnaces. Industry shall submit the same to the Board within one month of receipt of this order.
13. A sampling port with removable dummy of not less than 15 cm diameter shall be provided in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.
14. The proponent shall provide interlocking system for air pollution control equipments provided with raw material feeding system so that the feeding of raw material would be stopped incase the air pollution control equipments fails.
15. The generator shall be installed in a closed area with a silencer and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time.

**Solid Waste:**

16. The proponent shall comply with the following:

Sl. No.	Solid Waste generated from	Quantity	Method of Disposal
01.	Ferro Silicon Slag	570 TPA	Shall be dispose to cast iron foundries
02.	Silico Manganese Slag	34,000 TPA	shall be Utilized in road construction
03.	Ferro Manganese Slag	45,000 TPA	Shall be used in manufacture of Silico manganese as it contains high MnO <sub>2</sub>
04.	Ferro Chrome Slag	34,000 TPA	Chrome shall be recovered in the proposed chrome recovery plant. After conducting TCLP test, the slag shall be disposed to cast iron foundries.

17. The industry shall submit detail specifications of Chrome Recovery unit along with sources of pollution and control measures proposed, to this office as per the discussions held during CFE Committee meeting held on 10.2.2010 within two months, with a copy marked to the Regional Officer.
18. Proper handling, storage, utilization and disposal of all the solid waste should be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid / hazardous waste should be submitted to the Regional office.
19. The following rules and regulations notified by the MOE&F, GOI shall be implemented.
  - a) Hazardous waste (Management, Handling and Transboundary Movement), Rules,2008.
  - b) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.


**Other Conditions:**

20. Green belt of width 20 m shall be developed in South –East direction and 10 m in the other direction along the boundary of the industry. Greenbelt shall be developed in minimum of 10 acres area. Green belt development shall be started along with the construction activity.
21. The industry shall dedicate the area allocated for greenbelt as per the layout submitted by the industry. The industry shall not disturb this greenbelt area even in case of any expansion proposal of the industry in future under any circumstances.
22. The industry should spend on environment management atleast 5% of total cost of the industry.
23. The recommendations / commitments made during the Public Hearing held on 12.8.2009 at MPP School, Gollapuram(V), Hindupur(M), Anantapur District shall explicitly be followed from pollution control point of view.
24. The Proponent shall not undertake any activity without obtaining Environmental Clearance from MOE&F, Govt. of India as per EIA Notification,2006 issued by MOE&F, Govt. of India and the amendments issued thereof.
25. The industry shall submit permission letter from concerned Ground Water Department to draw 94 KLD of ground water.

**Sd/-  
MEMBER SECRETARY**

To  
**M/s. Oswal Smelters Pvt. Ltd,  
Door.No.6, 2<sup>nd</sup> Main Road, Ramchanrapuram,  
Bangalore - 560021**

/// T.C.F.B.O///

  
**JOINT CHIEF ENVIRONMENTAL ENGINEER(CEE)**  
2/6/10

s/s  
AB