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**OFFICE OF THE
STATE POLLUTION CONTROL BOARD, ORISSA**

Parivesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII,
Bhubaneswar - 751 012

No. 25076 /Ind-II-NOC-5070

Date 17-11-2008

OFFICE MEMORANDUM

In consideration of the application for obtaining Consent to Establish for **M/s. Ardent Steel Ltd.**, the State Pollution Control Board has been pleased to convey its Consent to Establish under section 25 of Water (Prevention & Control of Pollution) Act, 1974 and section 21 of Air (Prevention & Control of Pollution) Act, 1981 for **Iron Ore pelletisation Plant for production of Iron Ore Pellets of quantity 0.6 million Ton/Annum, At - Phuljhar, Telkoi** (plot nos. & khata nos. as mentioned in application form), in the district of **Keonjhar** with the following conditions.

GENERAL CONDITIONS.

1. This Consent to establish is valid for the product, quantity, manufacturing process and raw materials as mentioned in the application & for a period of five years from the date of issue of this letter, provided commencement of production of the proposed project has not taken place in the meantime.
2. If the proponent fails to start operation of the project but substantial physical progress has been made then a renewal of this consent shall be sought by the proponent.
3. Adequate effluent treatment facilities are to be provided such that the quality of sewage and trade effluent satisfies the standards as prescribed under Environment Protection Rule, 1986 or as prescribed by the Central Pollution Control Board and/or State Pollution Control Board or otherwise stipulated in the special conditions.
4. All emission from the industry as well as the ambient air quality and noise are to conform to the standards as laid down under Environment(Protection) Act. 1986 or as prescribed by Central Pollution Control Board/State Pollution Control Board or otherwise stipulated in the special conditions.
5. Adequate method of disposal of solid waste is to be adopted to avoid environmental pollution.
6. The industry is to comply to the provisions of Environment Protection Act, 1986 and the rules made thereunder with their amendments from time to time such as the Hazardous Waste (Management & Handling) Rules 1989, Hazardous Chemical Rules, /Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 etc. and amendments thereunder. The industry is also to comply to the provisions of Public Liability Insurance Act, 1991, if applicable.

7. The industry is to apply for grant of Consent to operate under section 25/26 of Water(Prevention & Control of Pollution) Act, 1974 & Air (Prevention & Control of Pollution)Act, 1981 at least 3 (three) months before the commercial production and obtain Consent to Operate from this Board.
8. **This consent to establish is subject to statutory and other clearances from Govt. of Orissa and/or Govt. of India, as and when applicable.**

SPECIAL CONDITIONS : -

1. This NOC is given for the capacity as mentioned above and any expansion in the capacity change or modification in the process addition, alternation any nature has to be undertaken with prior approval of the Board. For any change in the site or area fresh NOC has to be obtained from the Board.
2. **The industry shall provide thick green belt towards Phuljhar i.e. Western boundary of the unit and no plant activity shall be carried out towards western boundary.**
3. The units shall install air pollution control devices with adequate stack height at all sources of emissions (as per project report) so as to meet the prescribed standard for particulate matter emission as follows:

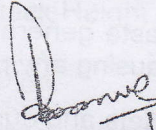
Sl. No.	Location -	APC Measures	Stack Height	Prescribed Norms mg/Nm ³
01.	Proportioning system	Pulse jet bag filter	30 mt.	100
02.	Raw material transfer point of mixer	Pulse jet bag filter	30 mt.	100
03.	Ball Mill (Cool grinding)	-do-	30 mt.	100
04.	Ball Mill (Flux & Coke grinding)	-do-	30 mt.	100
05.	Pulverized coal injection system	-do-	30 mt.	100
06.	Finished product transfer points and plant dedusting system	-do-	30 mt.	100
07.	Traveling grate and rotary kiln	ESP	50 mt.	100

4. Adequate air pollution control measures shall bet taken at raw material handling, product handing and other potential dust generating points to control fugitive emission.
5. The unit shall provide porthole and platform at suitable location with safe approach to conduct emission and monitoring at all the stacks.
6. Air pollution control devices shall be maintained properly. Fabric bags and cages in bag house shall be checked regularly and replaced whenever required. Adequate availability of spares with respect to bag filter and ESP fields shall be ensured for immediate replacement.

7. The internal roads shall be black topped. Permanent high pressure water spraying system shall be installed for regular spraying of water on roads and work zone to minimizing fugitive emission.
8. Separate energy meter shall be installed for all the pollution control equipments and the records shall be maintained for verification of the Board from time to time.
9. The ambient air quality at the boundary of the factory premises shall confirm to the standards prescribed under E(P) Act, 1986 for industrial area.
10. The waste water generated from cooling blow down and floor wash shall be properly treated and treated effluent shall be reused for dust suppression.
11. The unit shall provide garland drain around raw material and product stock yard. Run off generated from this area shall be passed through settling pit before discharged to outside surface water bodies.
12. There shall be no discharge of any effluent from the factory premises.
13. Domestic effluent generated from the plant buildings shall be discharged to soak pit via septic tank.
14. Wastewater generated from canteen if any shall be adequately treated and reused for gardening purpose.
15. The solid waste generated as ETP sludge and coal ash shall be suitably disposed off without causing any public nuisance or environmental contamination.
16. Rejected pellets and dust from APC devices shall be reused in the process.
17. The industry shall develop a thick green belt around the factory premises. The green belt area shall be super imposed on general layout plan and submitted to the Board within 2 months from issue of this order.
18. The height of the stack connected to DG set shall conform to the following :

$H = h + 0.2 \sqrt{KVA}$ where
 h = Height of the building where it is installed in meter
 KVA = Capacity of DG Set
 H = Height of the stack in meter above ground level.
19. The unit shall set up a full fledged environmental monitoring laboratory and environment management cell with qualified personnel for monitoring of pollutants and effective remedial measures in case of necessity.
20. The Board may impose further conditions after receipt of green belt plan, solid waste management plan, details scheme and design of effluent re-circulation system and APC equipments which shall be enforceable interalia the condition imposed vide this order.
21. No production activity shall commence prior to installation of all pollution control measures. In case it is found that the industry is operated without installation of adequate pollution control equipment, direction for closure shall be issued u/s 31 (A) of Air (PCP) Act, 1981 and / or u/s 33 (A) of Water (PCP) Act, 1974 as the case may be without any further notice.

22. Rain water harvesting shall be followed by utilizing the rain water collected from the roof of the administrative buildings for recharging of ground water within the premises as per the concept and practices prescribed by CPCB.
23. The civil construction shall be carried out with the fly ash bricks. If the fly ash bricks are not available locally the civil construction may be carried out with other bricks with prior intimation to the concerned Regional Office of SPC Board. A quarterly statement indicating the use of fly ash bricks during civil construction shall be submitted to the Board for record.
24. The land on which the unit is proposed to be established shall be converted to industrial use Kisam by the competent authority. The copy of the said land conversion document shall be submitted to the Board alongwith consent to operate application.
25. Commencement of the construction activity for the proposal shall not take place till clearance for drawl of ground water is obtained from the concerned authority.
26. The industry shall take steps for accreditation to ISO 14000 Management System.
27. The unit shall abide by E(P) Act, 1986 and Rules framed thereunder.


12/11/08
MEMBER SECRETARY *o/c*

To

The Managing Director
M/s. Ardent Steel Ltd.,
RR-12, Mianwali Nagar,
Near Peeragarhi Chowk,
New Delhi - 110 041

Memo No. 25077 /dt. 17-11-08

Copy forwarded to :

1. The Collector, Keonjhar
2. District Industries Centre, Keonjhar
3. The Director of Factories & Boiler, Bhubaneswar
4. Regional Officer, SPC Board, Keonjhar
5. Sr. Env. Engineer (C)
6. DFO, Keonjhar
7. Hazardous Waste Management Cell
8. Copy to Guard file


SR. ENV. ENGINEER (N) *o/c*

