

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS

BY SPEED POST

File No. J-11011/382/2006-IA II (I)

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Date: 8th May 2007

To,

Shri. B. B. Thombare
Chairman & Managing Director
Natural Sugar & Allied Industries Ltd.
Sai Nagar, Ranjani, Tahsil Kallam
District Osmanabad
Maharashtra
Fax : 02382-273655

Natural Sugar & Allied Indus Ltd
Inward No. 1095 Date 18/5/07
Time 9:30
Referred to
Date

Subject: 30 KLD Molasses based Distillery Unit at Osmanabad, Maharashtra by
M/s Natural Sugar and Allied Industries Ltd. - Environmental Clearance
Regarding.

Sir,

Kindly refer to your letter No. NSA/DIST/3313 dated 28th October 2006 and
subsequent communication dated 10.01.2007 regarding the subject mentioned above.

2. The Ministry of Environment and Forests has examined the proposal. It is noted that the proposal is to set up a new 30 KLD Molasses and Sugar Cane Juice Based Distillery Unit for production of RS/ENA/AA. Cost of the project is Rs. 12.35 Crores, out of which Rs. 2.63 Crores will be earmarked for environmental protection measures. **The Distillery will operate only for 180 days per year.** The distillery will be in the sugar complex for which total area available is 95 Acres. Area required for the project will be 25 Acres and 25 Acres will be developed as Green Belt. No eco-sensitive zone exists in the area. The project does not involve any R & R. Distillery will have Continuous Fermentation Process (Hiferm GR). The project will also have a Bagasse fired Boiler where 100 TPD of Bagasse shall be used as fuel. Power requirement of 350 KWH would be met from the CPP of Sugar Unit and a DG set of 500 KVA shall be used as an alternate arrangement. The Boiler will have a 40 m stack. Scrubber and Dust Collector will be installed as APC. Water requirement of 600 KLD would be met from the Manjara River jack-well pipe-line. No ground water shall be used. The spent wash generated will be Bio-composted after evaporation. Public Hearing of the project was held on 04.12.2003.

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Company Co.
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जहाँ है हरियाली।
वहाँ है खुशहाली।।

पर्यावरण भवन, सी.जी.ओ कॉम्प्लेक्स, लोदी रोड, नई दिल्ली - 110 003
PARYAVARAN BHAWAN, C.G.O. COMPLEX, LODHI ROAD, NEW DELHI - 110 003

3. The project category is covered in 5 (g) under the EIA Notification, 2006 and is of 'A' category. The project was considered as per procedure given in EIA Notification, 1994 in accordance with Para 2.2.1 (i) (a) of Interim Operational Guidelines of MoEF dated 13th October, 2006 as the EIA/EMP were prepared and Public Hearing was already held.

4. Based on the information submitted by you, the Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14th September 2006 subject to the compliance of the following Specific and General conditions:

A. SPECIFIC CONDITIONS:

- (i) The Distillery Unit shall operate only for 180 days and shall not operated during rainy season. Permission from the Ministry may be obtained for any increase in the working days. The unit will not operate during rainy season.
- (ii) Revised Guidelines of 2006 issued by CPCB for Distilleries shall be followed. Where ever the limits are different, as stipulated here, the revised limits of CPCB will prevail.
- (iii) The industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the EPA rules or SPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- (iv) The company shall install Multi-Cyclone Dust Collector and scrubbers and a stacks of 40 m for the boiler and 4.5 m and 2.5 m above the ground for DG sets would be provided for control of air emissions.
- (v) The company shall adopt continuous fermentation technology. For treatment of spent wash the unit shall adopt Concentration followed by Bio- Composting. It will be ensured that the spent wash generation shall not exceed 7-8 KI/KI of alcohol produced. The concentrated spent wash (240 m³/d) shall be bio-composted with press mud and Bio-methanation plant shall be installed whenever expansion is proposed. Press mud requirement will be 28,800 MTA and will be available from their Sugar Unit of 4000 TCD. 3600 MT of Boiler Ash and Bagacillo will be used for complete composting. No effluent shall be discharged outside the factory premises and zero discharge shall be strictly



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followed. Land and other requirements for treatment of spent wash with press mud shall be as per the CPCB guidelines. The company shall earmark an area of 10 Acres for bio-composting, storage of finished products etc. The compost yard shall be made impervious as per the CPCB guidelines.

- (vi) Water requirement shall not exceed 600 KLD which will be met from the Manjara River Jack-well pipeline. A copy of the water withdrawal permission shall be submitted to the Ministry.
- (vii) The spent wash shall be stored in impervious pucca lagoons. The spent wash lagoons shall have proper lining with HDPE and shall be kept in proper condition to prevent ground water pollution. Storage shall be as per the revised guidelines of CPCB.
- (viii) Adequate numbers of ground water quality monitoring stations shall be set up around the compost plant and the project area. These monitoring stations will be provided with piezometers. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry. The company shall carry out regular analysis of compost, leachate for BOD and pH.
- (ix) 25 Acres of plant area will be developed as green belt all around the plant and compost yard to mitigate the effects of fugitive emissions. The green belt will be as per the CPCB guidelines in consultation with the local DFO.
- (x) Company shall adopt rainwater-harvesting measures to recharge the ground water.
- (xi) Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health center shall be strengthened and the medical records of each employee shall be maintained separately.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the concerned State Pollution Control Board and the State Government.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.



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- iii. Ambient Air Quality Monitoring Stations shall be set up in consultation with the State Pollution Control Board in the down wind direction as well as where maximum ground level concentration of SPM, SO₂, NO_x and RPM are anticipated. RPM will also be monitored regularly.
- iv. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- v. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA /EMP report.
- vi. A separate environmental management cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.
- vii. The project authorities shall provide funds of Rs. 02.63 Crores as capital cost for the environment protection measures. Separate funds for recurring expenditure to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government shall be kept. Also, the implementation schedule for all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purpose.
- viii. The implementation of the project vis-à-vis environmental action plans will be monitored by the concerned Regional Office of the Ministry /State Pollution Control Board/Central Pollution Control Board. A six monthly compliance status report along with the monitored data shall be submitted to the monitoring agencies and shall be posted on the Website of the Proponent.
- ix. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.

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- x. The Project Authorities shall inform the Ministry and its concerned Regional Office about date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.
5. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
6. The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.
7. The above conditions will be enforced along with the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules hereunder.



(Sanchita Jindal)
Additional Director

Copy to:

1. The Secretary, Department of Environment & Energy, Government of Maharashtra, Room No. 403, 4th Floor, Mantralaya, Mumbai-400 032, Maharashtra.
2. Chief Conservator of Forests, Ministry of Environment & Forests, Regional Office (WZ), E-5, Arera Colony, Link Road-3, Bhopal : 462 016, Madhya Pradesh.
3. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
4. The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th Floor, Matunga Scheme Road, Road No. 6, Opp. Cine Planet, Circle Sion (E), Mumbai -400022, Maharashtra.
5. JS (CCI-I), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi - 110003
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi- 110003
7. Guard File/Monitoring File/Record File

(Sanchita Jindal)
Additional Director