

M/s Nirani Sugars Ltd
Kulali Cross, Mudhol Taluk, Bagalkot District

**COMPLIANCE REPORT TOWARDS
ENVIRONMENTAL CLEARANCE**

Prepared for

*Expansion of sugar crushing capacity from 5,000
TCD to 10,000 TCD & 32 MW to 40 MW at Sy
No. 166, Kulali Cross, Mudhol Taluk, Bagalkot
District*

**Point wise Compliance report for Environmental Clearance
(5000 TO 10,000 TCD & 32MW TO 40MW)**

SL.No	Specific Conditions	Compliance
1	<p>The proposal is for expansion of Sugar unit from 5,000 TCD to 10,000 TCD and 32 MW to 40 MW co-generation plant at #161, Kulali Cross, Jamakhandi Road, Mudhol Taluk, Bagalkot District. The total land area is 29.92 Ha. The water requirement is 2000 cum / day, which will be obtained from Ghataprabha River Only Baggase 2160 MT/day will be used as fuel. It is proposed to install one 90 TPH and one 125 TPH boiler. The total investment of the project is 198.50 crores.</p>	<p>We have installed 90TPH boilers (2 nos.) and the total investment done so far will be Rs. 115.00 Crores</p>
2	<p>The State Environment Impact Assessment. Authority, Karnataka State has examined the application, in its meeting held on 27th January 2009, in accordance with EIA Notification, 2006 and hereby accords environment clearance under the provisions thereof to the above mentioned M/s. Nirani Sugars Ltd, subject to implementation of the following conditions and environmental safeguards. This clearance is subject to the decision of the Hon'ble High Court of Karnataka in Writ Petition No.8492/2008 (GM-POL)</p>	<p>Agreed</p>
3	<p>Suitable Air Pollution Monitoring System (Wet Scrubber) and stacks of appropriate height as per the CPCB guidelines shall be provided to control emissions from various sources and shall ensure emissions levels below the KSPCB prescribed standards. Separate electric meters should be provided to the Air Pollution Monitoring System and a separate log book maintained for the daily meter readings and monthly report submitted to concerned Regional Officer, KSPCB & Regional Director (Environment),</p>	<p>Wet scrubber has been replaced and installed ESP for all 3 boilers of 90 TPH, 90TPH & 120 TPH Capacity. The stack ht. of 82 m has been provided as per CPCB guidelines to control emissions level below the KSPCB prescribed standards. The meter readings and monthly report shall be submitted to the Regional Officer, KSPCB and also the Director (Environment), Department of Ecology and Environment, Government of Karnataka.</p>

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	Department of Ecology and Environment, Government of Karnataka, Belgaum. The production process should be interlocked with the Air Pollution control systems.	
4	ETP treated water shall not be let out of the industry's premises and should be used for farming /gardening within.	ETP treated water shall be utilized properly for farming /gardening as per the CREP norms.
5	Ash generated should be mixed with press mud and composted and used or given to farmers as manure. 100% utilization of ash should be ensured from the date of operation of the plant. The project authorities shall adhere to the provision stipulated in the fly ash notification of September, 1999 and as amended in August, 2003 in regard to fly ash utilization.	Ash generated from the boilers will be properly mixed with pressmud and composted and given to farmers as manure. The ash utilization will be 100% during the operation of the plant.
6	All the conditions stipulated in CFE/CFO issued by Karnataka State Pollution Control Board shall be strictly implemented	Agreed
7	Only bagasse should be used as fuel, No other fuels should be used.	Only bagasse will be used as fuel.
8	No ground water shall be drawn for the power plant at any stage. Treated effluents shall be used for sugarcane seed farm/green belt development. There should be no waste water discharge from the plant.	The water shall be drawn from the nearby Ghataprabha river. The treated effluent will be used for sugarcane seed farming, irrigation & green belt development. There will not be any discharge of waste water from the plant.
9	Company shall adopt rain water harvesting measures to recharge the ground water.	Water harvesting measures to recharge the ground water will be adopted Refer Chapter No: 18
10	For controlling fugitive dust inside and outside the plant premises and vulnerable areas of the plant, dust extraction and suppression system and water sprinklers shall be ensured.	The areas like bagasse conveying systems are completely covered to avoid any dust outside the plant premises. The water sprinklers are used wherever necessary. Sugar & coal dust collector installed Refer Chapter No: 28
11	Noise level shall be limited to 75 dBA. For people working in high noise area, requested personal protective equipment like earplugs etc. shall be provided.	Noise level will be maintained below 75 dBa. Proper personal protective equipments are provided to the people who are working in high noise areas. Noise

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		reducing equipment installed Refer Chapter No: 17 & 40
12	Minimum 33% green area should be developed in the project area. Planting should done with tree density of about 1111 trees per ha. i.e at an spacement of 3mX3m.	Minimum of 33% green belt area will be developed in the project area. Plantation all along the boundary of the plant area has already been done. Green belt developed & proposed area showing in plant layout please Refer at Chapter No: 15
13	The gaseous emissions (so ₂ NO _x) and particulate matter from Boilers, D.G. sets and other processes shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation under intimation to the Regional Officer, KSPCB & Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum and shall not be restarted until the desired efficiency has been achieved.	The gaseous emissions like SO ₂ , NO _x and particulate matters will be kept below the prescribed standards and at no time these emissions will exceed the prescribed limits. Monthly monitoring reports attached please Refer at Chapter No: 17
14	The Project authorities shall develop separate drain for storm and waste water so that during rains waste water shall not mixed with the waste water. The waste water drains shall be provided with V-notch for monitoring the quantity of waste water and the waste water quantity shall be limited to the extent of permission of Karnataka State Pollution Control Board.	Separate drainage system for waste water and storm water has been provided. There will not be any mix up of waste water and storm water. V-notch has been provided to monitor the quantity of waste water and the generation will be restricted as per the norms of KSPCB. Rain & storm water collection & recharge to ground system adopted please Refer at Chapter No: 18 & 34
15	The Company shall take adequate steps to avoid odour nuisance from disposal of press mud and ETP sludge. The transportation of these shall be in covered means.	There will not be any odor nuisance from the disposal of press mud and ETP sludge.
16	The Company shall develop covered	The chemicals like lime, sulphur and

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	storage areas for lime, sulphur, and Phosphoric acid to avoid mixing of the same with the rain water for the existing sugarcane plant.	phosphoric acid stored in separate godown for detail please Refer at Chapter No: 47
17	Regular monitoring of the air and water quality should be carried out in and around the power plant and records be maintained. Half yearly reports shall be submitted to the SEIAA, Karnataka, MOEF Regional Office, Bangalore, Department of Environment and Ecology, Karnataka and Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum.	Monthly air and water monitoring has been carried out and the records will be submitted to the KSPCB. Half yearly reports will be submitted to the SEIAA, Karnataka, MOEF Regional Office, Bangalore, Department of Environment and Ecology, Karnataka and Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum. Copy are attached please Refer Chapter No: 13 & Chapter No: 17
18	Ambient Air Quality Monitoring Stations shall be set up in the down wind direction as well as where maximum ground level concentration of SPM, SO ₂ , NO _x are anticipated in consultation with the State Pollution Control Board.	We have fixed the air quality monitoring stations in the down wind direction in consultation with KSPCB to measure the SPM, SO ₂ and NO _x . The plant layout drawing showing the points for AAQM test points please Refer at Chapter No: 17 & 36
19	Occupational health surveillance programme shall be undertaken as regular exercises for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the medical records of each employee shall be maintained separately.	Regular health surveillance programmes will be conducted for all the employees and the records of each employee will be maintained separately. Details are provided Refer at Chapter No: 19
20	The Project proponent shall also comply with all the environment protection measures and safeguards recommended in the EIA/EMP report.	The company will comply with all the environment protection measures and safeguards recommended in the EIA/EMP report.
21	Adequate numbers of ground water quality monitoring stations shall be set up around the green belt area. These monitoring stations will be provided with piezo meters. The company shall monitor half yearly, the soil and ground water quality in the plant and green belt area to ensure that there shall not be ground water	Soil and ground water quality in the plant and green belt area will be monitored half yearly to ensure that there is no ground water pollution and the reports will be submitted to SEIAA, Karnataka, Ministry's Regional Office/SPCB/CPCB, Department of Environment and Ecology, Government of Karnataka, Bangalore and the Regional

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	pollution and reports submitted to SEIAA, Karnataka, Ministry's Regional Office/SPCB/CPCB, Department of Environment and Ecology, Government of Karnataka, Bangalore and the Regional Director (Environment) Department of Ecology and Environment, Government of Karnataka, Belgaum.	Director (Environment) Department of Ecology and Environment, Government of Karnataka, Belgaum. Monthly ground water monitoring report are attached please Refer at Chapter No: 17 & 36.
22	The Project proponent shall advertise at least in two local news papers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Karnataka State Pollution Control Board and Environment and Ecology Department at http://seiaa.kar.nic.in	We have published in the news papers which are enclosed for your reference please Refer at Chapter No: 38
23	A separate environment and safety management cell with qualified staff shall be set up before Commission of construction activities and shall be maintained throughout the lifetime of the industry, for implementation of the stipulated environmental safeguards.	The company has already formulated the environment and safety management cell with qualified staff for the implementation of the stipulated environmental safeguards. The structure of the environmental cell is enclosed for your reference for details Refer at Chapter No: 16
24	Half yearly report on the status of implementation of the stipulated conditions and environmental safeguards shall be submitted to SEIAA, Karnataka/ Regional Office of Ministry of Environment and Forests, Bangalore/ CPCB/KSPCB, Department of Environment & Ecology, Government of Karnataka and Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum.	Half yearly reports on the status of implementation of the stipulated conditions and environmental safeguards shall be submitted to SEIAA, Karnataka, Ministry's Regional Office/SPCB/CPCB, Department of Environment and Ecology, Government of Karnataka, Bangalore and the Regional Director (Environment) Department of Ecology and Environment, Government of Karnataka, Belgaum. Copies attached please Refer at Chapter No: 13
25	Karnataka SEIAA/Regional office of the Ministry of Environment and Forests located at Bangalore /Department of	Agreed

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	<p>environment and Ecology, Karnataka and the Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum will monitor the implementation of the stipulated conditions. Complete set of Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office of MOEF, Bangalore/Department of Ecology and Environment, Karnataka/SEIAA, Karnataka and the Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum for their use during monitoring.</p>	
26	<p>Separate funds should be allocated for implementation of Environmental protection measures along with item -wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the, SEIAA Karnataka, MOEF regional Office, Bangalore, Department of Environment and Ecology, Government of Karnataka and Regional Director, (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum.</p>	<p>Item wise Investment make for environmental protection measures is enclosed Refer at Chapter No: 52</p>
27	<p>The project authorities should inform the SEIAA, Karnataka/Department of Environment and Ecology, Karnataka/Regional Director, (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum/Regional Office of the Ministry of Environment and Forests regarding the date of financial closure and final</p>	<p>Details are enclosed Refer at Chapter No: 49</p>

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	approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.	
28	Full cooperation should be extended to the Scientists/Officers from the Ministry/ Regional office of the Ministry at Bangalore/ the CPCB / the KSPCB/ the Department of Environment and Ecology, Government of Karnataka / Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum who would be monitoring the compliance of environmental status.	The company will extend full cooperation to the Scientists/Officers from the Ministry/ Regional office of the Ministry at Bangalore/ the CPCB / the KSPCB/ the Department of Environment and Ecology, Government of Karnataka / Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum who would be monitoring the compliance of environmental status.
29	A master plan for social commitment giving details of proposed works/ activities and expenditure year wise to be prepared and submitted to SEIAA and shall be implemented strictly.	Details are given Refer at Chapter No: 14
30	The SEIAA, Karnataka reserves the right to stipulate additional conditional if found necessary. The company will implement these conditions in a time bound manner.	All the conditions will be implemented in a time bound manner
31	The SEIAA reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry.	Agreed
32	The environmental clearance accorded shall be valid for a period of 5 years or date of commencement of operation of the power plant, whichever is earlier. In case, the project authorities fail to do so within this stipulated period, this environmental clearance shall stand lapsed automatically.	Agreed
33	No further expansion or modifications in the plant shall be carried out without prior approval from SEIAA, Karnataka. In case of any deviation or alteration in the project proposed from those submitted to this SEIAA, for clearance, a fresh reference should be made to the SEIAA to assess the	There will not be any expansion or modifications in the plant without prior approval from the SEIAA, Karnataka

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	adequacy of the conditions imposed and to add additional conditions for environmental protection required, if any.	
34	<p>The project authorities shall comply the following concluding remarks made by the deputy commissioner, Bagalkot District in the proceedings of the public hearing held on 10.03.2008.</p> <p>i) This project should give priority to local people while providing employment and the project proponent should provide adequate afforestation measures and rain water harvesting measures in the area.</p> <p>ii) The management has to share part of the profit with the formers as a social obligation as a formers and industry have to co-exist.</p> <p>iii) The project proponent should strictly adhere to the conditions stipulated by pollution control Board and SEIAA so as to not to cause pollution of water, air, smell, noise and environment in general.</p>	<p>We are giving priority to local people while providing employment and also we have taken up adequate afforestation measures and rain water harvesting measures. We have already planted 6730 plants as a first step and the list enclosed for your reference Refer at Chapter No: 18</p> <p>Agreed CSR activity carried & expenditure made details attached please Refer at Chapter No: 14</p> <p>We will take utmost care not to cause pollution of water, air, smell, noise and environment in general Refer at Chapter No: 17 & 28.</p>
35	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Agreed
36	Any appeal against this environmental clearance shall lie with National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.	Agreed

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37	The above stipulations would be enforced among others under the Water (prevention and Control of Pollution) Act, 1974, the Air (prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the Public Liability Insurance Act, 1991 and its amendments, the Environment Impact Assessment Notification of September 2006 and the subsequent amendments, Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and its amendments.	Agreed