

**No. SEIAA: 6: IND: 2012**  
**STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT**  
**AUTHORITY, KARNATAKA**

(Constituted by Ministry of Environment & Forests, Government of India)

Department of Ecology & Environment,  
Room No.709, 7<sup>th</sup> Floor, IV-Gate,  
M.S. Building, Bangalore-560 001,  
Date: 10<sup>th</sup> October 2012.

To

M/s. Shri Balaji Sugars & Chemicals Pvt. Ltd.,  
C/o. Sundara Agro Foods, Anand Nagar,  
Mudhol- 587 313, Bagalkot District.

Phone No: 08350-280074.

Email: [sundara\\_agro@yahoo.co.in](mailto:sundara_agro@yahoo.co.in)  
[balaji.sugars@radiffmail.com](mailto:balaji.sugars@radiffmail.com)

Sir,

Sub: Establishment of new sugar plant of capacity 3500 TCD and 18 MW co-generation plant at 74/1 of Yaragalla Village and Sy. No. 32/1, 35/4, 35/5, 35/6, 36/1A1, 40/1A/1, 40/1A/2, 40/1B, 40/1D, 40/1K, 40/3, 40/4, 40/5, 40/6 of Madari Village, Yaragalla & Madari Villages, Muddebihal Taluk, Bijapur District of M/s. Shri Balaji Sugars & Chemicals Pvt. Ltd., - reg.

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This has reference to your applications No. SBSCPL/SEIA/11-12 dated 12.03.2012 addressed to the SEIAA, Karnataka and subsequent letters addressed to SEIAA/SEAC seeking prior environmental clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of the provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Form 1, EMP and the additional clarifications furnished in response to the observations of the SEAC, Karnataka. SEAC has recommended for issue of environmental clearance in its meetings held on 27.04.2012 & 20.07.2012.

2. The proposal is for establishment new sugar plant of capacity 3500 TCD and 18 MW co-generation plant at 74/1 of Yaragalla Village and Sy. No. 32/1, 35/4, 35/5, 35/6, 36/1A1, 40/1A/1, 40/1A/2, 40/1B, 40/1D, 40/1K, 40/3, 40/4, 40/5, 40/6 of Madari Village, Yaragalla & Madari Villages, Muddebihal Taluk, Bijapur District. The total land area is 65 Acres & 39 Guntas out of which 20 acres will be used for the proposed plant. The water requirement is 250 KLD, which will be obtained from River Krishna. Baggase (85 %) will be used as fuel and Indian/imported coal (15%) will be used as auxiliary fuel. It is proposed to 120 TPH capacity of boiler. ESP along with adequate stack height will be provided to bagasse/coal fired boilers (1 No. x 120 TPH) to control particulate emissions within 100 mg/Nm<sup>3</sup>. The total investment of the project is Rs. 211.55 Crores.

3. The proposal has been considered by SEIAA in its meeting held on 03.09.2012 and decided to issue environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:-

**Specific Conditions:**

1. Suitable Air Pollution Monitoring System (ESP) 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), Department of Ecology and Environment, Government of Karnataka, Belgaum. The production process should be interlocked with the Air Pollution control systems.
2. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 shall be followed.
3. ETP treated water shall not be let out of the industry's premises and should be used for farming/gardening within.
4. 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 flyash notification of September, 1999 and as amended in August, 2003 in regard to flyash utilisation.
5. Only bagasse/biomass should be used as fuel and shall not use more than 15 % of coal as auxiliary fuel. Not to use wood logs, coal as fuel & no other fuels should be used.
6. No ground water shall be drawn at any stage. Treated effluents shall be used for sugar cane seed farm/green belt development. There should be no wastewater discharge from the plant.
7. 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.
8. Noise level shall be limited to 75 dBA. For people working in high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
9. 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 espacement of 3mX3m and cover with indigenous tree species.
10. The gaseous emissions (SO<sub>2</sub>, NO<sub>x</sub>) 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 &

- Environment, Government of Karnataka, Belgaum and shall not be restarted until the desired efficiency has been achieved.
11. The Project authorities shall develop separate drain for storm and wastewater so that during rains, wastewater is not mixed with the stormwater. The wastewater drains shall be provided with V-notch for monitoring the quantity of wastewater and the wastewater quantity shall be limited to the extent of permission of Karnataka State Pollution Control Board.
  12. Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.
  13. 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.
  14. The company shall develop covered storage areas for lime, sulphur, and Phosphoric acid to avoid mixing of the same with the rainwater for the existing sugarcane plant.
  15. Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the regular medical test records of each employee shall be maintained separately.
  16. The project proponent shall not take up construction works until & unless water clearance from Karnataka Neeravari Nigam Ltd./Water Resources Department.
  17. The project proponent shall donate Rs. 10 Lakhs to Government Higher Primary Schools (6<sup>th</sup> to 8<sup>th</sup>) at Yargalla, Madari and Garsangi towards the corporate social commitment made vide letter dated 27.09.2012 within the financial year 2013-14 as committed and report be submitted to the Authority.
  18. At least 5 % of the total cost of the project should be earmarked towards future corporate social responsibility and item wise details along with time bound action plan should be prepared and submitted to the Authority. Implementation of such programmes should be ensured accordingly in the time bound manner.

#### **General Conditions:**

1. All the conditions stipulated in CFE/CFO issued by Karnataka State Pollution Control Board shall be strictly implemented.
2. Industry should operate with the required safety standards prescribed by the Director of Factories and Boilers Department.
3. The locations of ambient air quality monitoring stations shall be decided in consultation with the Karnataka State Pollution Control Board (KSPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum concentrations are anticipated.

4. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
5. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
6. Usage of Personnel Protection Equipments by all employees/ workers shall be ensured.
7. Regular monitoring of the air and water quality should be carried out in and around the plant and records be maintained. half yearly reports shall be submitted 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.
8. Adequate numbers of ground water quality monitoring stations shall be set up around the green belt area. These monitoring stations will be provided with piezometers. The company shall monitor six monthly, the soil and ground water quality in the plant and green belt area to ensure that there shall not be ground water pollution and reports submitted to 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.
9. The project proponent shall advertise at least in two local newspapers 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 Authority website at <http://seiaa.kar.nic.in>.
10. A separate environment and safety management cell with qualified staff shall be set up with a representative from co-generation before commission of construction activities and shall be maintained through out the lifetime of the industry, for implementation of the stipulated environmental safeguards.
11. 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 & Forests, Bangalore /CPCB/KSPCB, Department of Environment and Ecology, Government of Karnataka and Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum.
12. Karnataka SEIAA/Regional Office of the Ministry of Environment and Forests located at Bangalore/ Department of Environment and Ecology, Government of 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/ SEIAA, Karnataka /Department of Ecology and Environment, Government of Karnataka and the Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum for their use during monitoring.
13. 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.
  14. The project authorities should inform the SEIAA, Karnataka/ Department of Environment and Ecology, Government of 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 approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.
  15. The project Authorities shall provide proper rain water harvesting and ground water recharge facilities and report be submitted.
  16. Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for lighting and heating should be provided. Details in this regard should be submitted to the SEIAA.
  17. 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 conditions.
  18. 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.
  19. The project proponent should display the conditions prominently at the entrance of the project on a big panel board for the information of the public.
  20. The infrastructure of transport roads linking to the nearest main road shall be improved and maintained by the proponent.
  21. The SEIAA reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Authority.

22. No further expansion or modifications in the plant shall be carried out without prior approval from the 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 adequacy of the conditions imposed and to add additional conditions for environmental protection required, if any.
23. 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 January, 2006 and their subsequent manufacture, storage and Import of Hazardous Chemicals Rules, 1989 amendments.
24. The issue of Environment Clearance doesn't confer any right to the project proponent to operate / run the project without obtaining statutory clearances / sanctions form all other concerned Authorities.
25. 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 Environmental (Protection) Act, 1986.
26. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
27. This environmental clearance is issued without any prejudice to the legal cases if any, which may arise on account of violation.

Yours Faithfully,

  
(KANWERPAL)  
Member Secretary,  
SEIAA.

**Copy to:**

1. The Secretary, Ministry of Environment & Forests, Government of India, Paryavaran Bhavan, CGO Complex, Lodi Road, New Delhi-110003.
2. The Secretary, Department of Environment and Ecology, Government of Karnataka, Bangalore.
3. The Member Secretary, Karnataka State Pollution Control Board, Bangalore.
4. The CCF; Regional Office, Ministry of Environment & Forests (SZ), Kendriya Sadan, 5<sup>th</sup> Floor, E & F wings, 17<sup>th</sup> Main Road, Koramangala II Block, Bangalore-560 034, Bangalore.
5. Regional Director (Environment), Ecology and Environment Department, No. 1, Charanti Math Building, Shivalaya Road, Sadashiva Nagar, Belgaum.
6. Guard File.