सत्यमेव जयते

State Level Environment Impact Assessment Authority-Karnataka

(Constituted by MoEF, Government of India, under section 3(3) of E(P) Act, 1986)

No. SEIAA 27 IND 2019 Date: 01-10-2019

To,

Mr. Manjunath R Kabadi,
Director,
M/s Sangamnath Sugars Ltd,
1st Gate, KSSIDC, 3rd Cross,
Industrial Estate, Gokul Road,
Hubballi – 580 030

Sir,

Sub: Establishment of 10,000 TCD Sugar Unit, 38 MW Co-generation unit and 90 KLPD distillery along with Incineration boiler to generate 3 MW power at Sy. Nos. 24, 25/4, 25/5, 25/6, 32/1, 32/2 of Byalihal Village 219, 221, 222/1A, 222/1B, 223/1, 223/2, 224/1, 224/2, 224/3, 224/4, 224/5 of B K Yeragal, Sindagi Taluk, Vijapura District, Karnataka By M/s Sangamnath Sugars Ltd. – Issue of Environmental Clearance – Reg.

******

This has reference to your online application dated 12th September 2018 bearing proposal No. SIA/KA/IND2/22040/2018 addressed to Ministry of Environment, Forest and Climate Change (MoEF&CC), on the subject mentioned above. It has been noted that the proposal is for grant of environmental clearance under EIA Notification, 2006.

2. It is a proposal seeking Environmental clearance for the proposed Establishment of 10,000 TCD Sugar Unit, 38 MW Co-generation unit and 90 KLPD distillery along with Incineration boiler to generate 3 MW power at Sy. Nos. 24, 25/4, 25/5, 25/6, 32/1, 32/2 of Byalihal Village 219, 221, 222/1A, 222/1B, 223/1, 223/2, 224/1, 224/2, 224/3, 224/4, 224/5 of B K Yeragal, Sindagi Taluk, Vijapura District, Karnataka By M/s. Sangamnath Sugars Ltd. The total land area of the project is 97.20 Acres. Out of 97.20 Acres, 59 Acres is for Factory area, 32 Acres is for Landscape/Garden, One Acre is for Office & workers colony and 5.20 Acres is for future development. The water requirement for the Sugar and Co-generation unit is 784 KLD during crushing season and 1353 KLD during of-season and 540 KLD for distillery. The fresh water requirement will be met from River Bhima. The maximum effluent generated from industry is 898 KLD during season and wastewater generated from Domestic usage is 19 KLD. The industrial effluent and domestic sewage shall be treated in the ETP and STP respectively. The solid waste generated are 90000 MT/Month of Bagasse will be used as fuel to Boilers, 12,000 MT/Month of Press Mud will be used as manure, 10800 MT/ month of Molasses

will be used as raw material for Distillery, 990 MT/ month boiler ash will be sent to brick manufacturing units, 1.5 MT/Month of ETP sludge will be used as manure, 216 MT/Month of Yeast sludge will be used as manure and 50 LPA of Used oil shall be disposed to KSPCB authorized recyclers. DG set of 1000 KVA x 1 No. for emergency power back-up will be used in industry and 140 TPH bagasse fired and 32 TPH capacity incineration boiler fuelled by concentrated spent wash and bagasse / coal will be installed. Total cost of the project is 500.00 Crores. This is a project covered under Sl.No. 5(j), 5(g) and 1(d) of the Schedule Under EIA Notification 2006 and amendments made there on.

3. It is inter-alia noted that the MoEF&CC vide letter No.IA-J-11011/278/2018-IA-II(I) dated 14th October 2018 had accorded Standard Terms of Reference for the purpose of preparing Environment Impact Assessment Report and Environment Management Plan with Public Consultation.

4. The EIA has been conducted by EIA Consultant M/s. Environmental Health and Safety Consultants Pvt Ltd. #173/New No. 13/2, 14th E Cross, Industrial Town, Agrahara Dasarahalli, Bangalore who have accredited by NABET/QCI, GoI vide certificate no. NABET/EIA/1821/RA 0107. The public consultation was held on 12th June 2019. The proponents have submitted the Final EIA Report to SEIAA Karnataka vide letter received on 16th July 2019 Consequent to Issue of an Amendment to the EIA Notification 2006 vide Notification No. S.O.1960(E) dated 13th June 2019.

5. The State Expert Appraisal Committee (SEAC), Karnataka has considered the proposal during its meeting held on 8th August 2019. Based on the consideration of the documents submitted and the presentation made by you and the environment consultant M/s. Environmental Health and Safety Consultants Pvt Ltd. #173/New No. 13/2, 14th E Cross, Industrial Town, Agrahara Dasarahalli, Bangalore who have accredited by QCI-NABET, GoI vide certificate no. NABET/EIA/1821/RA 0107, the Committee has recommended for issue of Environmental Clearance.

6. The SEIAA Karnataka after due consideration of the relevant documents submitted by the project proponent, additional clarifications furnished in response to its observations and the recommendation of the SEAC have in its meeting held on 5th September 2019 in accordance with the provisions of Environmental Impact Assessment Notification-2006 and its subsequent amendments and decided to accord Environmental Clearance under the provisions thereof to the above mentioned M/s. Sangamnath Sugars Ltd for Establishment of 10,000 TCD Sugar Unit, 38 MW Co-generation unit and 90 KLPD distillery along with Incineration boiler to generate 3 MW power subject to implementation of the following conditions and environmental safeguards:

I. Statutory compliance

i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for

STATE LEVEL ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY ★ KARNATAKA ★
सत्यमेव जयते

non-forest purpose is involved in the project.

ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)

iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.

v. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

vi. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MS1HC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA).

II.Air quality monitoring and preservation

i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.

ii. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous)

iii. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

iv. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.

STATE LEVEL ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY ★ KARNATAKA ★
सत्यमेव जयते

v. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
vi. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
vii. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
viii. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

III. Water quality monitoring and preservation

i. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD) and connected to SPCB and CPCB online servers.
ii. Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD)
iii. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
iv. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
v. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
vi. Industrial/trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (agitated thin film drier). Low TDS effluent stream shall be treated in ETP and then passed through RO system.
vii. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

IV. Noise monitoring and prevention

i. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
ii. 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.

STATE LEVEL ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY ★ KARNATAKA ★
सत्यमेव जयते

iii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time

V. Energy Conservation measures

i. The energy sources for lighting purposes shall preferably be LED based.

VI. Waste management

i. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
ii. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
iii. The company shall undertake waste minimization measures as below:-
   a. Metering and control of quantities of active ingredients to minimize waste.
   b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
   c. Use of automated filling to minimize spillage.
   d. Use of Close Feed system into batch reactors.
   e. Venting equipment through vapour recovery system.
   f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.

VII. Green Belt

i. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant

VIII. Safety, Public hearing and Human health issues

i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
ii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
iii. 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.
iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
v. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

STATE LEVEL ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY ★ KARNATAKA ★ सत्यमेव जयते

vi. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

IX. Corporate Environment Responsibility

i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-1A.111 dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility and shall execute the action plan with a total cost not less than 750.00 Lakhs as submitted vide letter dated 17th August 2019 for the purposes mentioned below:-

a. Free Medical check-up camps will be held at the neighbouring cane villages.
b. Holding of health awareness camp - drinking water, sanitation, malaria and dengue control in all the villages of cane area.
c. Providing safe drinking water treatment/RO plant to villages/schools.
d. Infrastructural support to the deserving local industrial training institutes and polytechnic institutions.
e. Providing teaching aids and books to primary and high schools falling under cane area.
f. Merit Awards, Cash Prize at the rate of Rs. 5,000/- and 10,000/- to highest marks scoring students at 10th and 12th standard respectively of cane notified area.
g. Construction of Primary/High school rooms in the villages of companies cane notified area.
h. Financial help to the Panchayat in companies cane notified area.
i. Development of Rural Roads, construction of toilets.
j. Financial help to the deserving vocational training centres for woman folk run by NGOs in the cane notified area of the factory.
k. Infrastructural support to the NGO's which are successful in organizing self-help groups (micro-finance) in the cane notified area of factory.
l. Aids and appliances to the differently - able persons in the cane notified area.

ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or

STATE LEVEL ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY ★ KARNATAKA ★
सत्यमेव जयते

shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous

i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.

ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.

vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

vii. The project proponent shall inform the Regional Office as well as the MoEF&CC, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

STATE LEVEL ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY ★ KARNATAKA ★
सत्यमेव जयते

viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

x. No further expansion or modifications in the plant shall be carried out without prior approval of this Authority or the Ministry of Environment, Forests and Climate Change (MoEF&CC).

xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

xii. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

xiii. The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

xiv. The Regional Office of MoEF&CC shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

xvi. Any appeal against this EC 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.

xvii. Concerns / suggestions expressed by the public during the public consultation process and the commitment made by the proponent in that regard shall be complied with the time bound manner.

xviii. The project authorities shall strictly comply with the observations, suggestions and conditions imposed by The Regional Office of MoEF&CC in the report of compliance on the conditions of the earlier EC within time.

XI. Additional Conditions

1. Scheme to provide minimum basic amenities to the truck drivers and attendants in the adjacent project area may be detailed and submitted.
2. Scheme to have a separate parking area for the loaded and unloaded trucks in order to avoid traffic and environment hazards to the local public as well as road users may be detailed and submitted.
3. Scheme to convert press mud into compost may be worked out and submitted.

STATE LEVEL ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY ★ KARNATAKA ★
सत्यमेव जयते

4. Details of MOU with the nearby brick manufacturers to use entire fly ash generated in the unit may be worked out and submitted.

Yours Faithfully,

(Vijaykumar Gogi)
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 Special 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, 5th Floor, E & F wings, 17th Main Road, Koramangala II Block, Bangalore-560 034, Bangalore.
5) Guard File.