

**MINUTES OF THE ENVIRONMENTAL PUBLIC HEARING  
HELD FOR PROPOSED EXPANSION OF  
SUGAR CRUSHING CAPACITY FROM 2500 TCD TO 9000 TCD  
AND CO-GENERATION PLANT OF 36 M.W.  
IN RESPECT OF  
M/S. CANE AGRO ENERGY INDIA LTD,  
AT: VILLAGE RAIGAON, POST: HINGANGAON  
TAL: KADEGAON, DIST: SANGLI (MAHARASHATRA STATE)**

A public hearing for proposed expansion of sugar crushing capacity from 2500 to 9000 TCD and co-generation plant of 36 MW in respect of M/s. Cane Agro Energy India Ltd. was held on 20-02-2016 at 4.00 P.M. at factory site, village Raigaon, Post: Hingangaon, Tal: Kadegaon, Dist: Sangli Following panel members were present for the public hearing:-

1. Hon'ble Shri. Sachin ~~I~~thape, - Chairman  
I/c. Additional District Magistrate, Dist Sangli.  
(Representative of District Collector, Sangli)
2. Shri. N. H. Shivangi, - Member  
Regional Officer, M.P.C. Board, Kolhapur.  
(Representative of Maharashtra Pollution  
Control Board)
3. Shri L. S. Bhad - Convener  
Sub Regional Officer, MPCB,  
Sangli

First of all, Mr. L.S. Bhad, convener of the environmental public hearing welcomed the public and with the permission of Hon'ble Chairman started the public hearing. He informed that, Maharashtra Pollution Control Board has received a proposal from M/s. Cane Agro Energy India Ltd., regarding grant of

permission for proposed expansion of sugar cane crushing capacity and co-generation plant for which today's public hearing is conducted. A committee to conduct the environmental public hearing has been formed under the Chairmanship of Hon'ble Shri. Sachin Ithape, I/c. Additional District Magistrate, Dist Sangli. This public hearing is conducted to inform and discuss with the public about the impact of proposed project on environment, the residents and their problems and the measures to be taken by the project proponent to control the pollution. As per the Notification No. 1533 dated 14 September 2006 of MOEF, Government of India, environmental public hearing is mandatory for the industries coming under Schedule 'A' and 'B' of the Notification. And hence, Maharashtra Pollution Control Board has published notice regarding this environmental public hearing in daily "Sakal" in Marathi language and in daily "The Times of India" in English language on 21.01.2016. The copies of EIA report and executive summary were made available for study of public at office of District Collector, Sangli ; District Industries Center, Sangli ; Zilla Parishad Office, Sangli ; Environment Department, Govt. Of Maharashtra, Mumbai; M.P.C. Board, Kalpataru Point, 3<sup>rd</sup> floor, Opp. Cine planet, Sion Circle, Sion (E), Mumbai; Regional Officer, MOEF, West Zone, Bhopal; Regional Office, MPC Board, Udyog Bhavan, Kolhapur; Sub Regional Office, MPC Board, Udyog Bhavan, Sangli; Tahsil Office, Kadegaon; Panchayat Samiti, Kadegaon and Grampanchayat Office, Raigaon, Dist: Sangli and it was requested to submit their complaints, objections, suggestions etc. However, no written complaint, objection, representation is received from Sangli district. But M.P.C. Board has received a representation dtd. 08.02.2016 from Shri. V. Sunanda Reddy, Environmentalist, Telangana State.

Shri. L. S. Bhad further informed that, this public hearing is necessary for obtaining environmental clearance before starting the proposed project. The technical consultant of the proposed project will present all the information

related to the proposed project, thereafter the public should raise questions, complaints, objections, suggestions etc. The questions of the public and the reply given by the technical consultant will be recorded and the minutes of the public hearing alongwith CD will be submitted to MOEF, New Delhi for final decision. Then, Shri. L. S. Bhad requested the technical consultant of the project proponent to give detailed presentation.

Thereafter, Shri Jagadale, Technical Consultant presented following information through slide show:-

Presently, the sugar factory is working with crushing capacity of 2500 TCD but taking into consideration the excess availability of sugar cane, the project proponent has decided to increase the present cane crushing capacity from 2500 TCD to 9000 TCD and also establish a co-generation plant of 36 MW. For this, the project proponent has applied for environmental clearance from Government of Maharashtra. The Government has granted TOR including Terms and Conditions to prepare Environmental Impact Assessment Report. Its object is to study the impact of proposed project on the environment and take measures to protect it from adverse effects.

Shri Jagadale presented geographical information including nearest city, state highway, railway station, air port, weather, distance from river and Sagareshwar sanctuary etc.

1. Main products -
  - Sugar - 9000 TPD
  - Electricity - 36 MW
2. Boiler capacity - 160 TPH
3. Area -
  - Construction - 15 acres

Green belt	-	6 acres
ETP / ESP	-	2 acres
MSEB/yard	-	7 acres
4. Crushing days	-	160 days
5. Manpower	-	600

**Water requirement** –

There is no need of additional water after expansion of the plant. Daily requirement of water is 1004 m<sup>3</sup>. 495 m<sup>3</sup> water will be recycled.

**Fuel** –

Bagasse will be used as main fuel.

Study period – March 2015 to May 2015.

**Bio-diversity** –

The study of bio diversity was conducted within 10 Kms radius of the proposed project. The information about plants and animals found in study is given in EIA report.

**Air** –

The analysis results of air samples collected in the area of factory site and study area within MPCB norms. Air samples from villages Pargaon, Goregaon and Shalgaon are analysed. Stack of 72 meters and ESP has been provided for air pollution control. The capacity of boiler is 160 TPH. Modern technology ESP will be provided in the proposed project to control SO<sub>2</sub> and dust particles.

**Noise** –

Noise levels at working place, plant area, traffic, school and hospital etc. places have been studied and found within limits.

### Water availability –

Tank is the main source of water for the factory. The analysis results of water samples collected from project area are useful for drinking and irrigation.

### Waste water generation –

Process	-	950 m <sup>3</sup> /day.
Industrial	-	495 m <sup>3</sup> recirculation after cooling and adding 21 m <sup>3</sup> make up water for losses.
Domestic	-	51 m <sup>3</sup> /day.
Factory guest house	-	5 m <sup>3</sup> /day.

The land in the study area is irrigated.

### Environmental Impact during establishment of the project –

#### Noise –

During establishment period air pollution is increased due to increase in the transportation, traffic, construction equipment etc. The noise level will be 85 to 90 dB.

#### Water –

If polluted water is not properly discharge and also due to rain water water is polluted.

The one time cost of environmental management is Rs. 7.73 crores and recurring cost will be Rs. 1.28 crores.

The factory management has constructed/repaired village roads of about 90 to 100 kms. Also drip irrigation management, fertilizers, seeds, training, credit to farmers, helps to students for education, medical facilities,

donations etc. activities are carried out by the management. Till now 5000 trees are planted by the factory, green belt of 11 acres is developed and in future also 5000 trees will be planted. Factory will provide mango and coconut trees to the farmers.

Due to proposed project, there will not be any adverse effect on the environment but there will be social, economic, physical and educational development of the area.

After above presentation, Shri L. S. Bhad, Convener of the public hearing appealed the public to ask questions, suggestions, objections, complaints, opinions etc.

Thereafter, following questions-answers took place.

**Q.1. Shri Suresh Ghadage, Raigaon, Tal: Kadegaon, Dist. Sangli.**

We have water supply scheme viz. Sampatrao Deshmukh water supply scheme for 2500 acres of sugarcane crop land to which effluent treatment plant of the factory is joined. What will be the effect of proposed project on this water supply?

**Ans.**

Shri Jagadale, Project Consultant replied that as the first step the treated water of the sugar factory coming from the ETP is collected in M.D.C. where filter system is provided to distribution centre. The filter system is fully automised. When untreated polluted water is discharged, this automised system stops immediately. Hence, the untreated polluted water will not reach to the agricultural land.

**Q.2. Shri Vinod Chandrakant Shinde, Raigaon, Tal: Kadegaon, Dist. Sangli.**

Will you supply the treated water of your effluent treatment plant to our agricultural lands?

**Ans.**

The technical consultant said that the sugar factory has provided pipe line, motor pump etc. at its own cost to supply treated water to farmers. Hence, it will be also supplied to you.

**Q.3. Shri Sanjay Jadhav, Hingangaon, Tal: Kadegaon, Dist: Sangli.**

What will be the benefits of the proposed expansion of sugar crushing capacity and co-generation plant to all the farmers?

**Ans.**

The technical consultant said that due to Tembhu and Takari projects, the sugarcane area is increased and hence, to increase the production of sugarcane and to give proper rate to farmers for sugarcane crop, the proposed project will be established. Hence, there will be so many benefits i.e. the crushing capacity will increase, employment will be generated and also the electricity generated from co-generation plant will be given to M.S.E.B. to reduce load shading in this area.

**Q.4. Shri Sachin Mane, Hingangaon, Tal: Kadegaon, Dist: Sangli.**

What will be the effect of smoke or dust generated from the stack of the proposed project?

**Ans.**

The technical consultant answered that to control emission from chimney, E.S.P. system will be provided in the proposed project. E.S.P. is a constant working machine i.e. even if there is heavy load of dust to the inlet, its

emission will be less than 100 mg. Also the height of the stack will be 72 meters and emission of sulphur di oxide will increase by 0.8 mg only. Hence, there will not be any impact on the air quality.

**Q.5. Shri Sandip Mohite, Shalgaon, Tal: Kadegaon, Dist: Sangli.**

Will sugar factory provide their compost manure to us?

**Ans.**

The technical consultant said that factory provides press mud to the member farmers at Rs. 700/- per ton and the cost is deducted from their sugarcane bill. It will be also provided to you.

**Q.6. Shri Gorakh Ghatge, Raigaon, Tal: Kadegaon, Dist: Sangli.**

So far how many trees have been planted by the factory management to control the pollution and what is planning in future?

**Ans.**

The technical consultant replied that so far 5215 trees on 11 acre area have been planted at factory area which include coconut trees, palm trees, mango trees, neem trees, rain trees etc. Next year, the factory management has proposed to plant 2200 more trees like coconut, rain tree etc.

**Q.7. Shri Bhimrao Narayan Kadam, Hingangaon, Tal: Kedgaon, Dist: Sangli.**

The factory management should erect bulb poles at road junction sides.

**Ans.**

Dr. Banne, technical consultant assured on behalf of the factory management that bulb poles will be erected at road junction.

**Q.8. Shri V. Sunanda Reddy, Environmentalist.**

He congratulated factory management for adopting drip irrigation system. He said that due to drip irrigation, hundred crores of rupees can be saved. For

one acre of sugar cane production, 3 crore litres of water is required in one period. If you do drip irrigation, one crore litres is enough. For this I appreciate you. This scheme of the management is encouraging. The green belt development here is very good. My suggestion is to plant fruit bearing trees and you have done this. So, it is appreciable activity. I suggest the management should also collect and record the health status data of the people in this area, crop production data, and ground water data. It is useful in future. Skill development training should be given to local uneducated persons. A co-ordination committee should be formed for expenditure from C.S.R. including factory management, public officers and peoples representatives to expend for demand oriented works. Please consider my suggestions. I request public hearing committee to recommend MOEF to give unconditional permission to the proposed project.

**Ans.**

Shri Jagadale, technical consultant thanked Shri V. Sunanda Reddy for appreciating factory management for preparing EIA report, green belt development, water conservation etc. He assured that as suggested by Shri Reddy, the factory management will certainly collect data of health status of the people in this area, conduct skill development training programmes and demand oriented work.

After above discussion, Hon'ble Chairman of the public hearing committee Shri Sachin Thape requested the people that if any one from them wants to ask questions. Thereafter, he thanked all the people for their cooperation to conduct the public hearing by asking questions, difficulties, suggestions etc. peacefully considering the EIA report. He thanked Shri V. Sunanda Reddy. He said that the discussion has been recorded and minutes of this public hearing will be submitted to the government.

Finally, Shri L.S. Bhad, Convener of the environmental public hearing thanked all the people and concluded the public hearing after vote of thanks to the chair.

The copy of representation received from Shri V. Sunanda Reddy is enclosed with the minutes.



(L. S. Bhad)  
Convener  
Cum  
Sub Regional Officer,  
MPC Board, Sangli.



(N. H. Shivangi)  
Member  
Cum  
Regional Officer  
MPC Board, Kolhapur



(Sachin Thape)  
Chairman  
Cum  
I/c. Add. District Magistrate  
Sangli.