

# Nira Bhima Sahakari Sakhar Karkhana Ltd.

Shahajinagar, Tal. Indapur, Dist. Pune.

Founder:

Hon. Shri. Harshwardhan Shahajirao Patil

Ex. Minister: Co-Operation & Parliamentary Affairs

Bawada: Tel: 02111-275501, 275100

Ref No.: NIRA-BHIMA/ ENVIR | 2274 | 2019-20

Date: 9/3/2020

REF.NO.:

DATE:

To,  
The Regional Officer,  
MoEFCC; Regional Office (WCZ),  
Ground Floor, East Wing,  
New Secretariat Building,  
Civil Lines, Nagpur - 440001

**Sub.** : Regarding verification of compliance done towards conditions stipulated in Environmental Clearance (EC) granted to Bagasse based Co-Generation Unit of 18 MW & Molasses based Distillery 30KLPD by – M/s. Nira- Bhima Sahakari Sakhar Karkhana Ltd., Located at Shahajinagar Tal: Indapur, Dist.: Pune, MS.

**Ref.** : 1) EC granted by Department of Environment,; Mumbai vide its Letter No. SEAC-2012/CR-177/TC2 dated 21.01.2014. A copy of EC letter is presented at **Enclosure-I** for ready reference.

2) EC granted by Ministry of Environment, Forests & Climate change (MoEFCC); New Delhi vide its Letter No. J-11011/197/2008-1A-II (I) dated 17.03.2009. A copy of EC letter is presented at **Enclosure-I** for ready reference.


Dear Sir,

This has reference to the Environmental Clearance granted by MoEFCC & Department of Environment vide letter No. 1 & 2 mentioned under reference above. The same was in respect of Sugar unit with capacity Bagasse based Co-Generation unit of 18 MW & Molasses based Distillery unit 30 KLPD by – M/s. Nira-Bhima Sahakari Sakhar Karkhana Ltd., Located at Shahajinagar, Tal.: Indapur, Dist.: Pune, MS. In view of same, we are submitting herewith a point wise compliance towards the conditions stipulated in said Environmental Clearance (EC) letters.

Kindly let us know if any additional details are required to be submitted. Also, please communicate us your probable date of visit to our Industry.

Thanking you,

Yours faithfully,

  
Managing Director.

**Enclosure – I**  
**EC Letter**

# **EC Letter**

**Cogeneration- 18 MW**

Government of Maharashtra

SEAC-2012/CR-177/TC2  
Environment department  
Room No. 217, 2<sup>nd</sup> floor,  
Mantralaya Annexe,  
Mumbai- 400 032.  
Dated: 21<sup>st</sup> January, 2014

To,  
M/s. Nira Bhima Sahakari Sakhar Karkhana Ltd  
Shahajinagar, Post- Redni,  
Tal. Indapur, Dist.-Pune- 413114

Subject: Environmental clearance for proposed 18 MW Bagasse based Co-generation power plant at Nira Bhima Sahakari Sakhar Karkhana Ltd. Shahajinagar, Post-Redni, Tal. Indapur, Dist. Pune by M/s. Nira Bhima Sahakari Sakhar Karkhana Ltd

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification, 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 72<sup>nd</sup> meeting and decided to recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 63<sup>rd</sup> Meeting.

2. It is noted that the proposal is for grant of Environmental Clearance Proposed 18 MW Bagasse based Co-generation power plant at Nira Bhima Sahakari Sakhar Karkhana Ltd., Shahajinagar, Post-Redni, Tal. Indapur, Dist. Pune. SEAC considered the project under screening category 1 (d), B1 of EIA Notification, 2006.

**Brief Information of the project submitted by Project Proponent is as:**

Name of Project	18 MW Bagasse Based Co-generation Power Plant by Nira Bhima Sahakari Sakhar Karkhana Ltd. (NBSSKL)	
Project Proponent	M/s. Nira Bhima Sahakari Sakhar Karkhana Ltd. (NBSSKL)	
Consultant	MITCON Consultancy & Engineering Services Ltd.	
New Project	New Project	
Area Details	Total plot area (Acre.): 100 Built up area (Acre.): 11	
Estimated capital cost of the Project (including cost for land, building, plant and machinery separately)	Total Project Cost	Cogen Power (Rs. in Lakh)
	Land & Site Development	12.00
	Civil works & Buildings	482.82
	Indigenous Plant and Machinery	6780.62
	Preliminary & Pre-Op. Expenses	571.35
	Contingencies	19.19
	Margin Money	40

	Miscellaneous Fixed Assets	120			
	Power Evacuation arrangement	740.80			
	Supervision Charges for Synchronizing	14.92			
	Total	8781.7			
Location details of the project :	Latitude : 17°59'29.94"N Longitude : 74°56'42.45"E Location : Gut No. 340,341,344,345,346,347,348 Shahajinagar. Post- Redni, Tal. Indapur, Dist.-Pune. Pin-4131114 Elevation above Mean Sea Level: 525 meter				
Distance from Protected Areas	There are no Protected areas / Critically polluted areas / Eco-Sensitive areas/ inter-state boundaries within 10 Km radial area				
Raw materials (including process chemicals, catalysts, & additives).	List of raw materials to be used	Physical and chemical nature of raw material	Quantity (tonnes/year) full production capacity	Source of materials	Means of transportation (Source to storage site) with justification
	Bagasse	Fibrous material	Season (160 days): 152564MT Off-season (69 Days): 32493 MT	Existing Sugar Factory (NBSSKI.)	By conveyor belt with enclosed-sheet & pipelines
	Biogas	Gas	Season :1.475 TPI Off-season :1.475 TPI		
Production details	Name of Products. By products and Intermediate Products		Existing (T/Year)	Proposed activity (new/modernization/expansion) (T/Year)	Total (T/Year)
	Main Products: (Power)	Season (160 Days)	0	18 MW	18MW
		Off-Season (69Days)	0	12 MW	12 MW
	By-Products Intermediate Products: Ash	Season (160 Days)	0	3051 MT	3051 MT
		Off-Season (69 Days)	0	650 MT	650 MT
Process details / manufacturing details	In power generation scheme, chemical energy of fuel is first converted into thermal energy (during combustion), which is then converted into mechanical energy (through a turbine) and finally into electrical energy (through a generator).				
Rain Water Harvesting (RWH)	In the factory premises roof top area will be determined and subsequently rain water harvesting potential will be calculated. However detailed design and engineering of the RWH system will be undertaken during implementation stage.				
Total Water Requirement	Total water requirement: Fresh water (CMD) : Season (160 Days): 893 Off-Season (69 Days): 1009				

		& Source: Bhima River			
		Use of the water:			
		Particulars		Season (CMD)	Off-Season (CMD)
		Process		30	25
		Cooling water		464	690
		DM Water		398	293
		Dust Suppression		60*	61*
		Drinking		1	1
		Green belt		86*	80
		Fire service		13	13
		Others		2	1
		*Treated water reused.			
Storm water drainage	Proper storm water drainage line will be provided to maintain the natural flow of storm water				
Sewage generation and treatment	Amount of sewage generation (CMD): 3 Proposed treatment for the sewage : Septic tanks followed by Soak Pits Capacity of the STP (CMD) (If applicable): NA. all sewage will be treated in ETP				
Effluent characteristic	All the effluent characteristic will be prescribed as per MPCB. Norms				
ETP details	Existing ETP having capacity 700 m <sup>3</sup> /day. NBSSKL has already modernized existing ETP.				
Disposal of the ETP sludge (If applicable)	After treatment in ETP generated sludge will be used for gardening purpose				
Solid waste Management	Sr. No	Source	Qty (TPM)	Form (Sludge / Dry / Slurry etc.)	Composition
	1.	Raw water treatment plant	--	--	--
	2.	ETP	8 MT (18 MW season operation-160days and 3MT (12 MW off season operation)	Sludge	---
	3.	Process	Ash-305MT (18 MW season operation-160days and 650MT (12 MW off season operation)	Dry	potash
	4.	Spent Catalyst	--	--	--

	5.	Oily Sludge	--	--	--	
	6.	Others like Battery waste, e waste etc (Pl. Specify)	--	--	--	
Atmospheric Emissions (Flue gas characteristics SPM, SO <sub>2</sub> , NO <sub>x</sub> , CO, etc.)	Sr. No.	Pollutant	Source of Emission	Emission rate (kg/hr)	Concentration in flue gas (g/sec)	
	1	SPM	Stack	0.477	3.1	
	2	SO <sub>2</sub>	Stack	39.73	11	
	3	NO <sub>x</sub>	Stack	Concentration in flue gas will be 100 mg/Nm <sup>3</sup>		
	4	CO	Stack	NA	NA	
Stack emission Details:						
	Plant Section & units	Stack No.	Height from ground level (m)	Internal Diameter (Top)(m)	Emission Rate (kg/hr)	Temp. of Exhaust Gases (°C)
	66 TPH Boiler	1 <sup>st</sup>	75	3.6	0.29	150
	40 TPH Boiler	2 <sup>nd</sup>	60	3.5	11.16	
Emission Standard	As per CPCB, MPCB Norms					
Ambient Air Quality Data						
	Pollutant	Permissible Standard µg/m <sup>3</sup>	Proposed/ Resultant Concentration (in µg/m <sup>3</sup> )	Remarks		
	PM <sub>10</sub>	100	27.22	Due to proposed activity there is increase in pollution activity it will be mitigate by providing pollution control equipments such as ESP & dust suppression method & by developing green belt around the factory and within the premises		
	SO <sub>2</sub>	80	31.9			
	NO <sub>x</sub>	80	29.3			





1	Air Pollution Control System	200.00	12.00
2	Water pollution control systems (E.T.P)	---	15
5	Noise pollution control	20.00	2.00
6	Green Belt Development/ Maintenances	25.00	2.50
7	Environmental monitoring / Environmental Management	25.00	5.00
8	Occupational health & safety	10.00	5.00
TOTAL		280.00	29.0

3. The proposal has been considered by SEIAA in its 63<sup>rd</sup> meeting decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :

- Yearly*
- (i) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- (ii) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
- (iii) Regular monitoring of the air quality, including SPM & SO<sub>2</sub> levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.
- (iv) Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.
- (v) Proper Housekeeping programmes shall be implemented.
- (vi) In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
- (vii) A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable)
- (viii) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- Ground water*
- (ix) Arrangement shall be made that effluent and storm water does not get mixed.
- (x) Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
- (xi) Leq of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
- (xii) The overall noise levels in and around the plant are 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.

- (xiii) Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- (xiv) Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
- (xv) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- (xvi) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xvii) The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
- (xviii) The company shall undertake following Waste Minimization Measures :
- Metering of quantities of active ingredients to minimize waste.
  - Reuse of by- products from the process as raw materials or as raw material substitutes in other process.
  - Maximizing Recoveries.
  - Use of automated material transfer system to minimize spillage.
- (xix) Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
- (xx) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xxi) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
- (xxii) Separate silos will be provided for collecting and storing bottom ash and fly ash.
- (xxiii) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-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 reported to the MPCB & this department
- (xxiv) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://ec.maharashtra.gov.in>
- (xxv) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1<sup>st</sup> June & 1<sup>st</sup> December of each calendar year.
- (xxvi) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xxvii) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral

Dmp Urgent

parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

(xxviii) Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.

(xxix) The environmental statement for each financial year ending 31<sup>st</sup> March in Form V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

(xxx) The environmental clearance is being issued without prejudice to the court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. The Environment department reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

6. *JML* Validity of Environment Clearance: The environmental clearance accorded shall be valid for a period of 5 years to start of production operations.

7. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

8. 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 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

9. Any appeal against this environmental clearance shall lie with the National Green Tribunal, Van Vigyan Bhawan, Sec- 5, R.K. Puram, New Dehli - 110 022, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010

*R.A. Rajeev*  
(R.A. Rajeev)  
Principal Secretary,  
Environment department &  
MS, SEIAA

Copy to:

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.
2. Shri. Dr. S. Devotta, Chairman, SEAC, T2/302 Sky City, Vanagaram -Ambattur Road, Chennai -600 095

3. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
4. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
5. Regional Office, MPCB, Pune.
6. Commissioner, Pune Municipal Corporation, Pune.
7. Collector, Pune.
8. IA- Division, Monitoring Cell; MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
9. Director (TC-1), Dy. Secretary (TC-2), Scientist-1, Environment department.
10. Select file (TC-3).

(EC Uploaded on - 22.07.14)

# **EC Letter**

**Distillery- 30 KLPD Molasses Based  
Distillery**

F. No. J-11011/197/2008- IA II (I)  
Government of India  
Ministry of Environment and Forests  
(I.A. Division)

Paryavaran Bhawan  
CGO Complex, Lodhi Road  
New Delhi – 110 003  
E-mail : [plahujarai@yahoo.com](mailto:plahujarai@yahoo.com)  
Telefax: 011 – 2436 3973  
Dated: March 17, 2009

To,  
The Managing Director  
M/s Nira-Bhima Sahakari Sakhar Karkhana Limited  
Shahajinagar, Redni Tehsil Indapur  
Dist: Pune -413 114  
Maharashtra

Email: [nira-bhima@yahoo.com](mailto:nira-bhima@yahoo.com)

Sub: 30 KLPD Molasses based distillery unit at Shahajinagar in District Pune Maharashtra by M/s NIRA-BHIMA Sahakari Sakhar Karkhana Limited- reg environmental clearance

Sir,

This has reference to your letter No. NIRA-BHIMA/adm./1534/08-09 dated 20<sup>th</sup> December, 2008 along with a copy of Final EIA report and Public Hearing Report on the above subject seeking environmental clearance under the EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined the proposal. It is noted that M/s Nira-Bhima Sahakari Sakhar Karkhana Ltd have proposed for molasses based 30 KLPD distillery in District Pune in Maharashtra. The unit proposes to manufacture 30 KLPD of RS or 28.2 KLPD of ENA or 27 KLPD of Absolute alcohol. Fusel oil will be produced as by-product. The distillery is attached to sugar unit of 2500 TCD capacity. The company will adopt continuous fermentation technology. The total land area required for the distillery unit will be 8 acres. In addition 16 acres of land for composting, spent wash storage lagoon and bio-methanation plant is available with the company. No National park/ Eco-sensitive /Biosphere reserves etc are located within 10 km radius of the unit. Power requirement will be 7320 KW/hr and will be met from the turbine from the sugar unit. Power requirement of 200 KWH/day during the idle days will be met from the State Electricity Board. Fuel for boiler will be bagasse and biogas. The distillery will operate for 270 days in a year. Total cost of the project is Rs. 2759.96 lacs. The capital cost earmarked for environment protection measures is Rs. 642.54 lacs.

3. The water requirement of 600 m<sup>3</sup>/d will be met from the river Bhima. Spent wash generation will be 280 m<sup>3</sup>/day and will be treated by bio-methanation followed by bio-composting with press mud. Sources of air pollution will be boiler and D.G set. ESP or wet scrubber with stack height of 60m will be installed to control the particulate emissions from the boiler. Adequate stack height will be provided for the DG set for dispersion of gaseous emissions. CO<sub>2</sub> produced during fermentation will be scrubbed with water. The solid waste generation from the unit will be fermented sludge, bottom ash and fly ash, which will be used in bio-composting.

4. The project activity is listed at 5 (g) and is of 'A' category. The Expert Appraisal Committee (Industry) considered the project in its 91<sup>st</sup> meeting held on 9-11<sup>th</sup> February, 2009 and recommended the proposal for grant of environmental clearance. Public hearing for the project was held on 12.11.2008.

*Distillery/26  
MS/26/55  
26/3*

*M. D. S.*  
*amb*

निमा-गीमा सहकारी साखर कारखाना बंधू.  
आवक क्र. १५५ दिनांक १६/०३/०९  
*me*  
लिपिक

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

**A. SPECIFIC CONDITIONS:**

- i. The company shall adopt continuous fermentation technology and spent wash generation shall not exceed 280 m<sup>3</sup>/d. The spent wash after bio methanation in the bio digester shall be composted with press mud to achieve zero discharge.
- ii. 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 16 acre for bio composting, spent wash storage lagoon and bio-methanation plant etc. The compost yard shall be made impervious as per the CPCB guidelines.
- iii. 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. As per the CPCB recommendation, storage for the concentrated spent wash shall not exceed 30 days capacity.
- iv. Adequate numbers of ground water quality monitoring stations by providing piezometers around the compost plant and project area shall be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry.
- v. The particulate emissions from the bagasse fired boiler shall be controlled by installation of wet scrubber/ESP and emission shall be dispersed through stack of height as per CPCB standards.
- vi. The company shall obtain permission from the State Irrigation Department to draw the water.
- vii. Green belt in 33% of the plant area shall be provided to mitigate the effects of fugitive emissions all around the plant and compost yard as per the CPCB guidelines in consultation with the local DFO.
- viii. Company shall adopt rainwater harvesting measures to recharge the ground water.

**B. GENERAL CONDITIONS:**

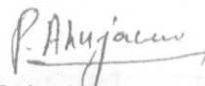
- i. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- ii. Ambient Air Quality Monitoring Stations shall be set up in the down wind direction as well as where maximum ground level concentration of SPM, SO<sub>2</sub>, NO<sub>x</sub>, are anticipated in consultation with the State Pollution Control Board.
- iii. Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the State Pollution Control Board. Regular monitoring should be carried out for relevant parameters.

- iv. 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.
  - v. 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 should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA ( day time) and 70 dBA ( night time).
  - vi. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA /EMP report.
  - vii. 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 medical records of each employee shall be maintained separately.
  - viii. A separate environmental management cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.
  - ix. The project authorities shall provide requisite funds for both recurring and non-recurring expenditure to implement the conditions stipulated by the non-recurring expenditure to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
  - x. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal /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.
  - xi. 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.
  - xii. The Project Authorities shall inform the Regional Office as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.
6. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
  7. The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.



8. Any appeal against this environmental clearance shall lie with the 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.

9.. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 alongwith their amendments and rules.

  
(Dr. P. L. Ahujarai)  
Director

**Copy to:**

1. The Secretary, Department of environment and forests, Govt. of Maharashtra.
2. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office, E - 3 / 240 Arera Colony Bhopal - 462 016.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar New Delhi - 110 032.
4. The Chairman Maharashtra Pollution Control Board, Shri Chatrapati Shivaji Maharaj Municipal Market Building, 4<sup>th</sup> Floor, Mata Ramabai Ambedaker Road, Mumbai- 400 001.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File.
7. Monitoring File.
8. Record File.

1  
(Dr. P. L. Ahujarai)  
Director

# **Point Wise Compliance**

**Cogeneration- 18 MW**

## Brief Summary of the Project

1. Name of Project : **M/s. Nira Bhima Sahakari Sakhar Karkhana Ltd**
2. Type of Project : 18 MW Bagasse based Co-generation
3. Clearance Letter No. & date : SEAC-2012/CR-177/TC2 dated 21.01.2014.
4. Location: District : Indapur; Dist. :Pune; State: Maharashtra.  
State/UT
5. Address for Correspondence : Shahajinagar, Post-Redni, Tal.: Indapur, Dist.: Pune, Maharashtra.

**Nira- Bhima Sahakari Sakhar Karkhana Ltd (NBSSKL)** is located at Gat No. 70/1, 303, 304, 305, 306/1, 306/2, 306/3, 306/4, 306/6, 306/7, 332,333, 335, 337, 338, 339, 340, 341, 344, 345, 346, 347, 348/1, 348/2, 348/3, 349, 350, 351/1, 351/2, 352, 353, 404, 405/6, 407, 408/1, 408/2, At: Shahajinagar, Po: Redni, Tal.: Indapur, Dist.: Pune, Maharashtra State. Before establishment of sugar factory, co-gen plant & distillery, the entire land was barren & was acquired from villagers. Unit was registered in May 1999. First crushing season was undertaken in year 2001-02. Present capacity of NBSSKL complex is 3,500 TCD Sugar Factory, 18 MW Co-gen plant and 30 KLPD molasses based distillery. Environmental clearance (EC) was granted to 30 KLPD Molasses Based Distillery in the year March, 2009 and 18 MW Co-gen plant in the year January 2014.

Compliance of Terms and Conditions mentioned in Environmental Clearance (EC) letter SEAC-2012/CR-177/T2 dated 21.01.2014 is presented as follows.

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
<b>TERMS AND CONDITIONS</b>		
1.	<b>Condition No.1</b> No additional land shall be used / acquired for any of the project without obtaining proper permission.	No additional land has been used / acquired for any activity of the project without obtaining proper permission as on today. If there is any plan the protocol as per EIA notification 2006, shall be followed.
2.	<b>Condition No.2</b> For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distance in vulnerable areas of the plant shall be ensured.	Water sprinkling is done to suppress fugitive emissions from handling of bagasse, Pressmud and ash during crushing season. Further, Molasses, Pressmud, ash is transported to disposal sites in covered vehicles.
3.	<b>Condition No.3</b> Regular monitoring of the air quality, including SPM & SO <sub>2</sub> level both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in	Routine monitoring of Ambient Air Quality is done for existing unit. The parameters monitored are PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> . Further monitoring reports are regularly submitted to MPCB. Refer <b>Annexure-I</b> for latest ambient air quality monitoring reports.

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
	consultation with Maharashtra Pollution Control Board (MPCB) & Submit report accordingly to MPCB.	
4.	<b>Condition No.4</b> Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.	A boiler of 66 TPH, 40 TPH is installed under co-gen. All boiler safety provisions are made and also boiler is certified under Factory Act through boiler inspector regularly.
5.	<b>Condition No.5</b> Proper Housekeeping programmers shall be implemented.	Industry noted the condition and compliance is being done.
6.	<b>Condition No.6</b> In the event of the failure of any pollution control system adopted by the unit, the unit shall be implemented put out of operation and shall not be restarted unit the desired efficiency has been achieve.	Continuous electricity supplied by in-house 18 MW Co-generation plant to pollution control system. Incase of power failure situation, industrial activities are immediately shut down along with pollution control system.
7.	<b>Condition No. 7</b> A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollution from DG set. (if applicable)	Two no. of DG sets are provided under existing unit. Diesel @ 20 lit/Hr. is used as fuel during only power failure, DG sets are operated. Stack of 14 M height above the roof level is provided along with silencer.
8.	<b>Condition No. 8</b> A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	The rain water harvesting will be implemented soon before monsoon season. The rainwater harvesting plan is given below: <ul style="list-style-type: none"> <li>➤ Surface Harvesting: Runoff from Industrial Plot 53.40 Ha. to be harvested and stored in tanks excavated at suitable locations as per the contour levels.</li> <li>➤ Roof Top Area for rain water harvesting – 23,716.98 M<sup>2</sup></li> <li>➤ Roof Top Harvesting shall yield – 10245.74 M<sup>3</sup></li> <li>➤ Open Land Area in the Industrial Premises – 5,10,343 M<sup>2</sup></li> <li>➤ Surface Harvesting (Partly done) yield – 56,589 M<sup>3</sup></li> <li>➤ Total water – 149134.93 M<sup>3</sup>; 149.1 ML</li> <li>➤ Groundwater recharge through infiltration &amp; percolation shall have Positive Impact on Water Table in premises, Reuse of Harvested Water shall save Fresh Water for Domestic and Gardening purposes.</li> </ul>

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
9.	<p><b>Condition No.9</b> Arrangement shall be made that effluent and storm water does not get mixed.</p>	<p>Separate gutters are provided for storm water collection. While Effluent is taken through closed pipe to treatment sites.</p>
10.	<p><b>Condition No. 10</b> Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.</p>	<p>Recently piezometer is not installed on site. Further they will be installed around the compost plant and project area. Sampling and trend analysis monitoring will be done on monthly a basis and report submitted to SPCB and this Ministry.</p>
11.	<p><b>Condition No. 11</b> Leq. of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.</p>	<p>Condition is complied. Workers employed in high noise prone areas are provided with appropriate protective equipments such as ear plugs, ear-muffs etc.</p>
12.	<p><b>Condition No. 12</b> The overall noise level in and around the plant area shall be kept 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 confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules 1989.</p>	<p>The overall noise levels in and around the plant area are kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise control generation. Noise monitoring reports for existing unit are enclosed at <b>Annexure –I</b>.</p>
13.	<p><b>Condition No.13</b> Green belt shall be development &amp; maintained around the plant periphery. Green belt Development shall be carried out considering CPCB guideline including selection of plant species and in consultation with the local DFO/ Agriculture Dept.</p>	<p>Total 48750 Nos. of trees Species have been planted in the factory premises. Out of the total plot of 5, 34,060 (53.40Ha.) 1, 22,502 (12.25 Ha.) area come under Greenbelt. This comes to about 23% of total plot area. Details of Greenbelt are attached at Refer <b>Annexure- II</b>.</p>
14.	<p><b>Condition No. 14</b> Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices</p>	<p>Sugar factory is an agro based industry no any hazardous chemicals are used for process nor are they stored on site. As far as sulphur used in process. Same is in powder form.</p>

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
	shall also be installed at strategic places for early detection and warning.	
15.	<b>Condition No. 15</b> Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per Factory Act.	Occupational health surveillance is being carried out for all employees and records are maintained. A sample copy of latest health check-up report is attached at <b>Annexure – III</b> .
16.	<b>Condition No. 16</b> The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Fire extinguishers are installed at strategic places. Refer <b>Annexure IV</b> for photographs of fire extinguishers provided on site.
17.	<b>Condition No. 17</b> The project authority must strictly comply with the rules and regulation with regard to handling and disposal of hazardous wastes in accordance with the Hazardous waste (Management and Handling) Rules. 2003 (amended). Authorization from the MPCB shall be obtained for collection/ treatment/ storage/ disposal of hazardous wastes.	Hazardous waste generated from sugar and co-generation unit in the form of Spent Oil- 200 Kg/M, Spent oil is burnt in boiler.
18.	<b>Condition No. 18</b> The company shall undertake following waste Minimization Measures: <ul style="list-style-type: none"> <li>• Metering of quantities of active ingredients to minimize waste.</li> <li>• Reuse of by-products from the process as raw or as raw materials substitutes in other process.</li> <li>• Use of automated materials transfer system to minimize spillage.</li> </ul>	Industry noted the condition and is strictly following the same.
19.	<b>Condition No. 19</b> Regular mock drill for the on –site emergency management plan shall be carried out. Implement of changes/ improvement required, if any, in the on-site management plan	Training sessions/workshops for employees on safety and health aspects are organized from time to time. Also, periodical medical examination for all employees is arranged on regular basis. Onsite record of the same is maintained.

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated																																											
	shall be ensured.																																												
20.	<p><b>Condition No. 20</b> A separate environment management cell with qualified staff shall be set up for implement of the stipulated environment safeguards.</p>	<p>A separate Environment Management cell with qualified staff is already established</p> <table border="1" data-bbox="781 384 1422 1713"> <thead> <tr> <th data-bbox="781 384 857 537">No.</th> <th data-bbox="857 384 1076 537">Name of Member</th> <th data-bbox="1076 384 1295 537">Designation</th> <th data-bbox="1295 384 1422 537">No. of Working Person(s)</th> </tr> </thead> <tbody> <tr> <td data-bbox="781 537 857 646">1</td> <td data-bbox="857 537 1076 646">Mr. Lalasaheb Pawar</td> <td data-bbox="1076 537 1295 646">Chairman</td> <td data-bbox="1295 537 1422 646">1</td> </tr> <tr> <td data-bbox="781 646 857 800">2</td> <td data-bbox="857 646 1076 800">Mr. Dhirajkumar Mane</td> <td data-bbox="1076 646 1295 800">Managing Director</td> <td data-bbox="1295 646 1422 800">1</td> </tr> <tr> <td data-bbox="781 800 857 999">3</td> <td data-bbox="857 800 1076 999">Representative of Environmental Consultant</td> <td data-bbox="1076 800 1295 999">Env. Consultant</td> <td data-bbox="1295 800 1422 999">2</td> </tr> <tr> <td data-bbox="781 999 857 1108">4</td> <td data-bbox="857 999 1076 1108">Mr. Gajedra Girame</td> <td data-bbox="1076 999 1295 1108">Chief Engineer</td> <td data-bbox="1295 999 1422 1108">1</td> </tr> <tr> <td data-bbox="781 1108 857 1220">5</td> <td data-bbox="857 1108 1076 1220">Mr. Sudheer Genge</td> <td data-bbox="1076 1108 1295 1220">Distillery Incharge</td> <td data-bbox="1295 1108 1422 1220">1</td> </tr> <tr> <td data-bbox="781 1220 857 1331">6</td> <td data-bbox="857 1220 1076 1331">Mr. Bharat Patil</td> <td data-bbox="1076 1220 1295 1331">Labor Welfare Officer</td> <td data-bbox="1295 1220 1422 1331"></td> </tr> <tr> <td data-bbox="781 1331 857 1442">7</td> <td data-bbox="857 1331 1076 1442">Mr. Kalyan Gaikwad</td> <td data-bbox="1076 1331 1295 1442">Environmental Engineer</td> <td data-bbox="1295 1331 1422 1442">1</td> </tr> <tr> <td data-bbox="781 1442 857 1598">8</td> <td data-bbox="857 1442 1076 1598">Mr. Kalyanrao Patale</td> <td data-bbox="1076 1442 1295 1598">Chief Agree Officer Incharge</td> <td data-bbox="1295 1442 1422 1598">1</td> </tr> <tr> <td data-bbox="781 1598 857 1713">9</td> <td data-bbox="857 1598 1076 1713">Mr. Dhananjay Limbore</td> <td data-bbox="1076 1598 1295 1713">Cane Supply Officer</td> <td data-bbox="1295 1598 1422 1713">1</td> </tr> </tbody> </table>				No.	Name of Member	Designation	No. of Working Person(s)	1	Mr. Lalasaheb Pawar	Chairman	1	2	Mr. Dhirajkumar Mane	Managing Director	1	3	Representative of Environmental Consultant	Env. Consultant	2	4	Mr. Gajedra Girame	Chief Engineer	1	5	Mr. Sudheer Genge	Distillery Incharge	1	6	Mr. Bharat Patil	Labor Welfare Officer		7	Mr. Kalyan Gaikwad	Environmental Engineer	1	8	Mr. Kalyanrao Patale	Chief Agree Officer Incharge	1	9	Mr. Dhananjay Limbore	Cane Supply Officer	1
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21.	<p><b>Condition No. 21</b> Transportation of ash will be through closed container and all measures should be taken to prevent spilling of the ash.</p>	<p>Ash to the tune of 600 MT/Month is generated from current operations and same is given to brick manufacturers. Water sprinkling arrangements have been done to avoid fly ash particles from becoming air borne. Also, under proposed</p>																																											



Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated																																								
		green belt plantation programme, plantation shall be done around fly ash storage yard. CPCB guidelines for storage of ash are duly being followed.																																								
22.	<b>Condition No. 22</b> Separate silos will be provided for collecting and storing bottom ash and fly ash.	Fly ash generated is stored in ash storage area. Water sprinkling arrangements have been done to avoid suspension of fly ash into air. Refer <b>Annexure-V</b> for photographs of silo for bottom ash collector.																																								
23.	<b>Condition No. 23</b> Separate funds shall be allocated for implemented of environment protection measures/ EMP 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 purpose and year-wise expenditure should reported to the MPCB & this department.	Compliance strictly followed. Following is the break-up for EMP:																																								
		<table border="1"> <thead> <tr> <th data-bbox="716 667 797 804" rowspan="2">No.</th> <th data-bbox="797 667 1130 804" rowspan="2">Description</th> <th colspan="2" data-bbox="1130 667 1485 716">Cost Component (Rs. Cr)</th> </tr> <tr> <th data-bbox="1130 716 1284 804">Capital</th> <th data-bbox="1284 716 1485 804">Annual O &amp; M</th> </tr> </thead> <tbody> <tr> <td data-bbox="716 804 797 961">1</td> <td data-bbox="797 804 1130 961">APC Equipments: ESP (66 TPH), Wet scrubber (40 TPH), Stack heights 75 M &amp; 60 M.</td> <td data-bbox="1130 804 1284 961">7.25</td> <td data-bbox="1284 804 1485 961">0.7</td> </tr> <tr> <td data-bbox="716 961 797 1157">2</td> <td data-bbox="797 961 1130 1157">Water Pollution Control &amp; OCMS (Bio-compost Yard &amp; Machine, Sp. wash Tank, Maintenance of ETP, OCMS)</td> <td data-bbox="1130 961 1284 1157">12.50</td> <td data-bbox="1284 961 1485 1157">1</td> </tr> <tr> <td data-bbox="716 1157 797 1352">3</td> <td data-bbox="797 1157 1130 1352">Noise Pollution: Insulation, Isolation, Attenuation Infrastructure of Plant &amp; Machinery, PPEs</td> <td data-bbox="1130 1157 1284 1352">1.00</td> <td data-bbox="1284 1157 1485 1352">0.05</td> </tr> <tr> <td data-bbox="716 1352 797 1465">4</td> <td data-bbox="797 1352 1130 1465">Occupational Health and Safety (Medical Check-up of employees, PPEs)</td> <td data-bbox="1130 1352 1284 1465">0.50</td> <td data-bbox="1284 1352 1485 1465">0.08</td> </tr> <tr> <td data-bbox="716 1465 797 1579">5</td> <td data-bbox="797 1465 1130 1579">Environmental Monitoring &amp; Management</td> <td data-bbox="1130 1465 1284 1579">0.25</td> <td data-bbox="1284 1465 1485 1579">0.02</td> </tr> <tr> <td data-bbox="716 1579 797 1650">6</td> <td data-bbox="797 1579 1130 1650">Green Belt Development</td> <td data-bbox="1130 1579 1284 1650">0.50</td> <td data-bbox="1284 1579 1485 1650">0.15</td> </tr> <tr> <td data-bbox="716 1650 797 1722">7</td> <td data-bbox="797 1650 1130 1722">Provision towards CER</td> <td data-bbox="1130 1650 1284 1722">0.44</td> <td data-bbox="1284 1650 1485 1722">-</td> </tr> <tr> <td colspan="2" data-bbox="716 1722 1130 1873" style="text-align: center;"><b>Total (8.8 % of Capital Investment of Rs. 254.04 Cr)</b></td> <td data-bbox="1130 1722 1284 1873" style="text-align: center;"><b>22.44</b></td> <td data-bbox="1284 1722 1485 1873" style="text-align: center;"><b>2</b></td> </tr> </tbody> </table>			No.	Description	Cost Component (Rs. Cr)		Capital	Annual O & M	1	APC Equipments: ESP (66 TPH), Wet scrubber (40 TPH), Stack heights 75 M & 60 M.	7.25	0.7	2	Water Pollution Control & OCMS (Bio-compost Yard & Machine, Sp. wash Tank, Maintenance of ETP, OCMS)	12.50	1	3	Noise Pollution: Insulation, Isolation, Attenuation Infrastructure of Plant & Machinery, PPEs	1.00	0.05	4	Occupational Health and Safety (Medical Check-up of employees, PPEs)	0.50	0.08	5	Environmental Monitoring & Management	0.25	0.02	6	Green Belt Development	0.50	0.15	7	Provision towards CER	0.44	-	<b>Total (8.8 % of Capital Investment of Rs. 254.04 Cr)</b>		<b>22.44</b>	<b>2</b>
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Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
24.	<p><b>Condition No. 24</b> The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the concerned within seven days of issue of this letter, informing that the project has been accorded environment clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://ec.Maharashtra.gov.in">http://ec.Maharashtra.gov.in</a>.</p>	<p>Condition is complied. Refer <b>Annexure – VI</b> for newspaper advertisement copy.</p>
25.	<p><b>Condition No. 25</b> Project management should be submit half yearly compliance reports in respect of the stipulated prior environment clearance terms condition in hard &amp; soft copies to the MPCB &amp; this department on 1<sup>st</sup> June &amp; 1<sup>st</sup> December of each calendar year.</p>	<p>Regular Six Monthly Compliance reports have been submitted. Refer <b>Annexure – VII</b> for Acknowledgment of previous Six Monthly Compliance report.</p>
26.	<p><b>Condition No. 26</b> A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.</p>	<p>The condition is complied with necessary action.</p>
27.	<p><b>Condition No. 27</b> The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant</p>	<p>Presently the Company does not have the website. The website is under process. The status of compliance of the stipulated EC conditions, including results of monitored data will be updated periodically. And will be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The condition is complied. Refer <b>Annexure – VIII</b> for the photograph of the pollutant levels displayed on the board at the main gate of the company.</p>

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
	levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	
28.	<b>Condition No. 28</b> Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.	Regular Six Monthly Compliance reports have been submitted. Refer <b>Annexure – VII</b> for Acknowledgment of previous Six Monthly Compliance report.
29.	<b>Condition No. 29</b> The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V as in mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Offices of MoEF by e-mail.	Compliance is being done. Refer <b>Annexure – IX</b> for environmental statement.
30.	<b>Condition No. 30</b> The environment clearance is being issued without prejudice to the court case pending in the court case of law and it does not mean that project proponent has not violated any environment laws in the part and whatever decision of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him.	This condition is being noted.

# **Annexure- I**

## **Monitoring Report**

Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO/IEC 17025:2005 (NABL), ISO 9001:2015 and OHSAS 18001:2007 Certified Company

GESEC

**TEST CERTIFICATE**

<b>Report No: GESEC/PRO/2018-19/01/2504</b>	<b>Date of Report</b>	29/01/2019
<b>Client Name and Address:</b> <b>M/s. Nira Bhima Sahakari Sakhar Karkhana Ltd.</b> Shahajinagar ,Post-Redni, Tal-Indapur, Dist-Pune,Pin-413114.	<b>Date of Sampling</b>	21/01/2019
	<b>Start Date of Analysis</b>	22/01/2019
	<b>End Date of Analysis</b>	28/01/2019
	<b>Sample Details</b>	Ambient Air
	<b>Sample Location</b>	Near Guest House
	<b>Time of Sampling</b>	10:10
<b>Sample Collected By</b>	GESEC	

**Ambient Air Analysis Report**

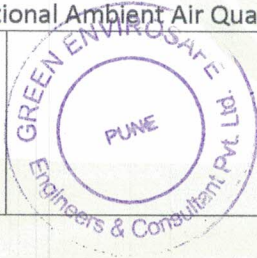
Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	28	°C	
2.	Dry Bulb Temperature	30	°C	
3.	Wet Bulb Temperature	27	°C	
4.	Relative Humidity	65	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO <sub>2</sub> )	31.20	µg/M <sup>3</sup>	≤ 80
7.	Oxides of Nitrogen(NO <sub>2</sub> )	35.21	µg/M <sup>3</sup>	≤ 80
8.	Particulate Matter PM <sub>10</sub>	43.51	µg/M <sup>3</sup>	≤ 100
9.	Particulate Matter PM <sub>2.5</sub>	22.1	µg/M <sup>3</sup>	≤ 60
10.	Carbon Monoxide (CO)	0.44	mg/M <sup>3</sup>	≤ 04(1 Hr)

**Remark-**

➤ All above results are within National Ambient Air Quality standards.

**ANALYZED BY-**

*Shelae*



**AUTHORIZED SIGNATORY**

*Prandel.*

**Terms and conditions**

- The report is refer only to the sample tested and not applies to the bulk.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, GESEC.
- Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
- We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 09/02/2017 to 08/02/2022.

GESEC

**TEST CERTIFICATE**

<b>Report No: GESEC/PRO/2018-19/01/2505</b>	<b>Date of Report</b>	29/01/2019
<b>Client Name and Address:</b> <b>M/s. Nira BhimaSahakariSakharKarkhana Ltd.</b> Shahajinagar ,Post-Redni, Tal-Indapur, Dist-Pune, Pin-413114.	<b>Date of Sampling</b>	21/01/2019
	<b>Start Date of Analysis</b>	22/01/2019
	<b>End Date of Analysis</b>	28/01/2019
	<b>Sample Details</b>	Ambient Air
	<b>Sample Location</b>	Near Main Gate
	<b>Time of Sampling</b>	11:10
<b>Sample Collected By</b>	GESEC	

**Ambient Air Analysis Report**

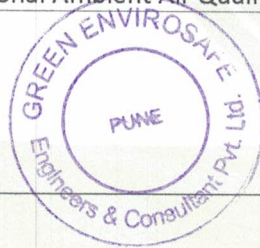
Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	32	°C	
2.	Dry Bulb Temperature	32	°C	
3.	Wet Bulb Temperature	28	°C	
4.	Relative Humidity	69	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO <sub>2</sub> )	13.99	µg/M <sup>3</sup>	≤ 80
7.	Oxides of Nitrogen(NO <sub>2</sub> )	26.45	µg/M <sup>3</sup>	≤ 80
8.	Particulate Matter PM <sub>10</sub>	45.77	µg/M <sup>3</sup>	≤ 100
9.	Particulate Matter PM <sub>2.5</sub>	20.31	µg/M <sup>3</sup>	≤ 60
10.	Carbon Monoxide (CO)	1.45	mg/M <sup>3</sup>	≤ 04(1 Hr)

**Remark-**

- All above results are within National Ambient Air Quality standards.

**ANALYZED BY-**

*Shebae*



**AUTHORIZED SIGNATORY**

*Handel*

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GESEC

**TEST CERTIFICATE**

<b>Report No: GESEC/PRO/2018-19/01/2506</b>	<b>Date of Report</b>	29/01/2019
<b>Client Name and Address:</b> M/s. Nira BhimaSahakariSakharKarkhana Ltd. Shahajinagar ,Post-Redni, Tal-Indapur, Dist-Pune, Pin-413114.	<b>Date of Sampling</b>	21/01/2019
	<b>Start Date of Analysis</b>	22/01/2019
	<b>End Date of Analysis</b>	28/01/2019
	<b>Sample Details</b>	Ambient Air
	<b>Sample Location</b>	Near ETP Area
	<b>Time of Sampling</b>	12:10
<b>Sample Collected By</b>	GESEC	

**Ambient Air Analysis Report**

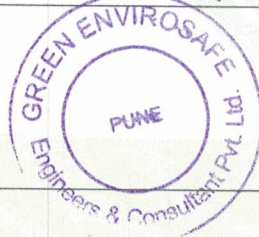
Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	32	°C	
2.	Dry Bulb Temperature	32	°C	
3.	Wet Bulb Temperature	25	°C	
4.	Relative Humidity	70	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO <sub>2</sub> )	9.94	µg/M <sup>3</sup>	≤ 80
7.	Oxides of Nitrogen(NO <sub>2</sub> )	11.58	µg/M <sup>3</sup>	≤ 80
8.	Particulate Matter PM <sub>10</sub>	46.21	µg/M <sup>3</sup>	≤ 100
9.	Particulate Matter PM <sub>2.5</sub>	15.44	µg/M <sup>3</sup>	≤ 60
10.	Carbon Monoxide (CO)	1.26	mg/M <sup>3</sup>	≤ 04(1 Hr)

**Remark-**

➤ All above results are within National Ambient Air Quality standards.

**ANALYZED BY-**

*Shelag*



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GESEC

**TEST CERTIFICATE**

<b>Report No: GESEC/PRO/2018-19/01/2507</b>		<b>Date of Report</b>		29/01/2019
<b>Client Name and Address:</b> M/s. Nira BhimaSahakariSakharKarkhana Ltd. Shahajinagar ,Post-Redni, Tal-Indapur, Dist-Pune, Pin-413114.		<b>Date of Sampling</b>		21/01/2019
		<b>Sample Details</b>		Ambient Noise
<b>Sample Collected By</b>		GESEC		
<b>Ambient Noise Report</b>				
Sr. No.	Location	Result dB(A) Day	Result dB(A) Night	CPCB Standards dB(A)
1.	Near ETP Area	51.4	41.7	55/45
2.	Near Office	52.2	42.8	
3.	Near Main Gate	51.7	43.5	
4.	Near Sugar Godown	52.6	41.7	
5.	Near Guest House Area	51.4	42.9	
<b>Remark-</b>				
<ul style="list-style-type: none"> <li>➤ Maharashtra Pollution control board prescribed 55 dB(A) as an upper limit of noise level during day time and 45 dB(A) as an upper limit of noise level during at night time for residential Area.</li> <li>➤ All aboveresults are within the prescribed limit by MPCB.</li> </ul>				
<b>ANALYZED BY-</b>		<b>AUTHORIZED SIGNATORY</b>		

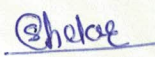
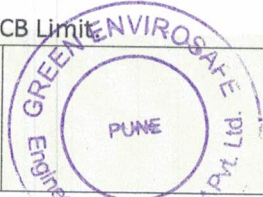

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GESEC

**TEST CERTIFICATE**

<b>Report No: GESEC/PRO/2018-19/01/2508</b>		<b>Date of Report</b>		29/01/2019	
<b>Client Name and Address:</b> <b>M/s. Nira BhimaSahakariSakharKarkhana Ltd.</b> Shahajinagar ,Post-Redni, Tal-Indapur, Dist-Pune, Pin-413114.		<b>Date of Sampling</b>		21/01/2019	
		<b>Start Date of Analysis</b>		22/01/2019	
		<b>End Date of Analysis</b>		28/01/2019	
		<b>Sample Location</b>		Boiler (40 TPH)	
		<b>Sample Details</b>		Stack	
		<b>Time of Sampling</b>		1:15	
<b>Sample Collected By</b>		GESEC			
<b>Source Emission Analysis Report</b>					
Sr. No.	Parameter	Result	Unit(s)	Limits As Per MPCB Consent	Standard Method
1.	Capacity of Boiler	40	TPH	--	--
2.	Type of Fuel	Bagasse	--	--	--
3.	Material of Stack	RCC	--		
4.	Stack Height from G.L.	60.0	Mtr.		
5.	Type of Stack	Round	--		
6.	Sampling Duration	30	Min.		
7.	Flue Gas Temperature	140	°C		
8.	Differential Pressure	12.2	mmWG		
9.	Velocity	13.48	M/s		
10.	Dimensions of Stack	3.5	Mtr.		
11.	Gas Volume	336505.08	NM <sup>3</sup> /Hr		
12.	Suspended Particulate Matter (SPM)	83.2	mg/NM <sup>3</sup>	≤ 150	IS:11255(Part 1)-1985
<b>Remark(s):</b> ➤ All above results are well within MPCB Limit					
<b>ANALYZED BY-</b> 				<b>AUTHORIZED SIGNATORY-</b> 	

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GESEC

**TEST CERTIFICATE**

<b>Report No: GESEC/PRO/2018-19/01/2509</b>	<b>Date of Report</b>	29/01/2019
<b>Client Name and Address:</b> M/s. Nira BhimaSahakariSakharKarkhana Ltd. Shahajinagar ,Post-Redni, Tal-Indapur, Dist-Pune, Pin-413114.	<b>Date of Sampling</b>	21/01/2019
	<b>Start Date of Analysis</b>	22/01/2019
	<b>End Date of Analysis</b>	28/01/2019
	<b>Sample Location</b>	Boiler (66 TPH)
	<b>Sample Details</b>	Stack
	<b>Time of Sampling</b>	2:10
<b>Sample Collected By</b>	GESEC	

**Source Emission Analysis Report**

Sr. No.	Parameter	Result	Unit(s)	Limits As Per MPCB Consent	Standard Method
1.	Capacity of Boiler	66	TPH	--	--
2.	Type of Fuel	Bagasse	--	--	--
3.	Material of Stack	RCC	--		
4.	Stack Height from G.L.	75.0	Mtr.		
5.	Type of Stack	Round	--		
6.	Sampling Duration	30	Min.		
7.	Flue Gas Temperature	141	°C		
8.	Differential Pressure	12.9	mmWG		
9.	Velocity	13.88	M/s		
10.	Dimensions of Stack	3.6	Mtr.		
11.	Gas Volume	365637.7	NM <sup>3</sup> /Hr		
12.	Suspended Particulate Matter (SPM)	89.6	mg/NM <sup>3</sup>	≤ 150	IS:11255(Part 1)-1985

**Remark(s):**

➤ All above results are well within MPCB Limit

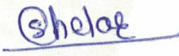


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GESEC

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<b>Report No: GESEC/PRO/2018-19/01/2510</b>		<b>Date of Report</b>	29/01/2019
<b>Client Name and Address:</b> M/s. Nira BhimaSahakariSakharKarkhana Ltd. Shahajinagar ,Post-Redni, Tal-Indapur, Dist-Pune, Pin-413114.		<b>Date of Sampling</b>	21/01/2019
		<b>Start Date of Analysis</b>	22/01/2019
		<b>End Date of Analysis</b>	28/01/2019
		<b>Sample Details</b>	Raw Spent Wash Sample
		<b>Nature of sample</b>	Untreated
<b>Sample Collected By</b>		GESEC	
<b>Water Analysis Report</b>			
Sr. No.	Parameter	Result	Unit(s)
1.	pH	3.89	--
2.	EC	24531	µS/m
3.	BOD	76725	mg/lit
4.	COD	170500	mg/lit
5.	Volatile Acids	4427	mg/lit
6.	Alkalinity	--	mg/lit
7.	Acidity	1596	mg/lit
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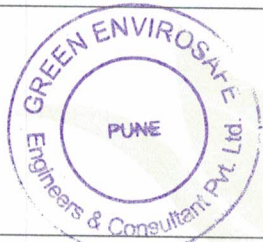

GESEC

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<b>Report No: GESEC/PRO/2018-19/01/2511</b>	<b>Date of Report</b>	29/01/2019
<b>Client Name and Address:</b> M/s. Nira BhimaSahakariSakharKarkhana Ltd. Shahajinagar ,Post-Redni, Tal-Indapur, Dist-Pune, Pin-413114.	<b>Date of Sampling</b>	21/01/2019
	<b>Start Date of Analysis</b>	22/01/2019
	<b>End Date of Analysis</b>	28/01/2019
	<b>Sample Details</b>	Bio-Methanated Spent Wash Sample
	<b>Nature of sample</b>	Untreated
<b>Sample Collected By</b>	GESEC	

**Water Analysis Report**

Sr. No.	Parameter	Result	Unit(s)
1.	pH	7.51	--
2.	EC	31960	µS/m
3.	BOD	10965	mg/lit
4.	COD	50196	mg/lit
5.	Volatile Acids	1102	mg/lit
6.	Alkalinity	23540	mg/lit
7.	Acidity	1356	mg/lit

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<b>Report No: GESEC/PRO/2018-19/01/2512</b>		<b>Date of Report</b>		29/01/2019	
<b>Client Name and Address:</b> M/s. Nira BhimaSahakariSakharKarkhana Ltd. Shahajinagar ,Post-Redni, Tal-Indapur, Dist-Pune, Pin-413114.		<b>Date of Sampling</b>		21/01/2019	
		<b>Sample Details</b>		Compost Sample	
<b>Sample Collected By</b>		GESEC			
<b>Compost Sample Report</b>					
Sr. No.	Location	Result	Unit	Standard Value	The Factories Act 1948, standards
1.	pH at 25°C	6.4	--	Not Applicable	IS:10158-1982(RA:2009)-7, page no 18
2.	Moisture	30.8	%	Not Applicable	IS:9235-1979(RA:2009),4.1, page no.5
3.	Total Organic Carbon	25.9	%	Not Applicable	Fertilizer Control Order, 1985, page no. 144-A
4.	Total organic Matter	46.1	%	Not Applicable	Fertilizer Control Order, 1985, page no. 144-A
5	Total Nitrogen as N	1.85	%	Not Applicable	IS:10158-1982(RA:2009)-5, page no.8
6.	Total Phosphate as P <sub>2</sub> O <sub>5</sub>	2.74	%	Not Applicable	IS:10158-1982(RA:2009)-10.1A, page no.19
7.	Total Potassium	3.2	%	Not Applicable	IS:10158-1982(RA:2009)-9, page no.18
8.	C:N Ratio	14.01	--	Not Applicable	Fertilizer Control Order, 1985, page no. 144-B
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	<b>Start Date of Analysis</b>	22/01/2019
	<b>End Date of Analysis</b>	28/01/2019
	<b>Sample Location</b>	ETP
	<b>Sample Details</b>	ETP Inlet
<b>Sample Collected By</b>	GESEC	

**Water Analysis Report**

Sr. No.	Parameter	Result	Unit(s)	Standard Method
<b>Physical Parameter</b>				
1.	Total Suspended Solids	570.2	mg/lit	APHA 2540-D
2.	Total Dissolved Solids	2396.2	mg/lit	APHA 2540-C
<b>Chemical Parameter</b>				
3.	pH	5.8	--	APHA 4500 -H <sup>+</sup>
4.	BOD at 27°C for 3 days	1603.2	mg/lit	Modified Wrinkler's Idometric Method
5.	Oil and Grease	22.7	mg/lit	APHA 5520 B
6.	COD	6523.4	mg/lit	APHA 5220 B
7.	Chloride (as Cl)	140.2	mg/lit	APHA 4500 Cl <sup>-</sup> B
8.	Sulphate (as SO <sub>4</sub> )	133.4	mg/lit	APHA 4500So <sub>4</sub> E
<b>ANALYZED BY-</b>		<b>AUTHORIZED SIGNATORY</b>		

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GESEC

**TEST CERTIFICATE**

<b>Report No: GESEC/PRO/2018-19/01/2514</b>		<b>Date of Report</b>	29/01/2019
<b>Client Name and Address:</b> M/s. Nira Bhima Sahakari Sakhar Karkhana Ltd. Shahajinagar ,Post-Redni, Tal-Indapur, Dist-Pune, Pin-413114.		<b>Date of Sampling</b>	21/01/2019
		<b>Start Date of Analysis</b>	22/01/2019
		<b>End Date of Analysis</b>	28/01/2019
		<b>Sample Details</b>	ETP
		<b>Nature of sample</b>	ETP Outlet
<b>Sample Collected By</b>		GESEC	

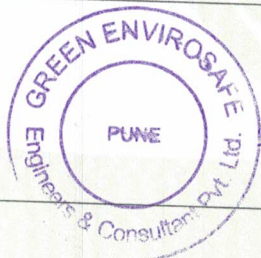
**Water Analysis Report**

Sr. No.	Parameter	Result	Unit(s)	Limits	Standard Method
<b>Physical Parameter</b>					
1.	Total Suspended Solid	47.2	mg/lit	<100	APHA 2540-D
2.	Total Dissolved Solids	562.3	mg/lit	<2100	APHA 2540-C
<b>Chemical Parameter</b>					
3.	pH	7.1	--	5.5-9.0	APHA 4500 -H <sup>+</sup>
4.	BOD at 27°C for 3 days	29.0	mg/lit	<100	Modified Wrinkler's Idometric Method
5.	Oil and grease	7.2	mg/lit	<10	APHA 5520 B
6.	COD	106.2	mg/lit	<250	APHA 5220 B
7.	Chloride (as Cl)	20.44	mg/lit	600	APHA 4500 Cl <sup>-</sup> B
8.	Sulphate (as SO <sub>4</sub> )	90.2	mg/lit	1000	APHA 4500So <sub>4</sub> E

Remarks: All above results are within MPCB Limits

ANALYZED BY-

*Shelae*



AUTHORIZED SIGNATORY

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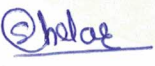

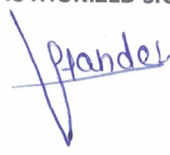
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GESEC

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<b>Report No: GESEC/PRO/2018-19/01/2515</b>		<b>Date of Report</b>		29/01/2019	
<b>Client Name and Address:</b> <b>M/s. Nira BhimaSahakariSakharKarkhana Ltd.</b> Shahajinagar ,Post-Redni, Tal-Indapur, Dist-Pune, Pin-413114.		<b>Date of Sampling</b>		21/01/2019	
		<b>Sample Details</b>		Press Mud Sample	
<b>Sample Collected By</b>		GESEC			
<b>Press Mud Sample Report</b>					
Sr. No.	Location	Result	Unit	Standard Value	The Factories Act 1948, standards
1.	pH at 25°C	6.1	--	Not Applicable	IS:10158-1982(RA:2009)-7, page no 18
2.	Moisture	73.4	%	Not Applicable	IS:9235-1979(RA:2009),4.1, page no.5
3.	Total Organic Carbon	30.7	%	Not Applicable	Fertilizer Control Order, 1985, page no. 144-A
4.	Total organic Matter	45.6	%	Not Applicable	Fertilizer Control Order, 1985, page no. 144-A
5.	Total Nitrogen as N	1.6	%	Not Applicable	IS:10158-1982(RA:2009)-5, page no.8
6.	Total Phosphate as P <sub>2</sub> O <sub>5</sub>	1.33	%	Not Applicable	IS:10158-1982(RA:2009)-10.1A, page no.19
7.	Total Potassium	3.1	%	Not Applicable	IS:10158-1982(RA:2009)-9, page no.18
8.	C:N Ratio	19.18	--	Not Applicable	Fertilizer Control Order, 1985, page no. 144-B
<b>ANALYZED BY-</b> 					
		<b>AUTHORIZED SIGNATORY</b> 			

**Terms and conditions**

- The report is refer only to the sample tested and not applies to the bulk.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, GESEC.
- Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
- We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 09/02/2017 to 08/02/2022.



# **Annexure – II**

## **Green Belt Details**

List of trees planted in Nira-Bhima Sahakari Sakhar Karkhana Ltd premises

<b>Sr.No</b>	<b>Name of Trees</b>	<b>Amount</b>
1	Coconut	500
2	Bottle Palm	200
3	Ficus Panda	150
4	Ficus Benjamina	150
5	Bottle Bush	200
6	Morpankhi	150
7	Karanda Red	100
8	Filicium	100
9	Legistonia	100
10	Taboniya	100
11	Tamarind	6000
12	Rain Tree	300
13	Kashid	100
14	Karanj	300
15	Mango	300
16	Chikoo	50
17	Gauva	50
18	Custard Apple	50
19	Anjeer	50
20	Aragpam	200
21	Lemon	50
22	Jambhul	100
23	Rampal	50
24	Veporbeya	150
25	Latana	2000
26	Varbena	100
27	Daisy	500
28	Ekjora	100
29	Tagar	500
30	Chitrak	100
31	Starlight	100
32	Saptparni	200
33	Tablepan	100
34	Pudika Chafa	50
35	Rose Mis	1000
36	Jarvand	100
37	Christmas Tree	50
38	Christmas Tree	50
39	Cotton	100
40	Sayapas	50

41	Tapan	50
42	Shevanti	50
43	Jarbera	100
44	Pedoniya	50
45	Golden Dured	10000
46	Batikakleaf	10000
47	Kanari Pakar	5000
48	Almond	50
49	Awala	300
50	Nilgiri	5000
51	Suru	500
52	Gulmohar	250
53	Silver Sik	100
54	Amboli	100
55	Bougainvillea	2000
56	Kadu Limb	300
57	Kalak Bamboo	200
58	Lily	50
59	Yovaka	50
	<b>Total</b>	<b>48750</b>

**PHOTOGRAPHS OF GREEN BELT DEVELOPMENT AT NIRA- BHIMA SAHAKARI SAKHAR KARKHANA LTD,  
AT: SHAHAJINAGAR, TAL.: INDAPUR, DIST.: PUNE, MAHARASHTRA**



**PHOTOGRAPHS OF GREEN BELT DEVELOPMENT AT NIRA- BHIMA SAHAKARI SAKHAR KARKHANA LTD,  
AT: SHAHAJINAGAR, TAL.: INDAPUR, DIST.: PUNE, MAHARASHTRA**



# **Annexure – III**

## **Health Surveillance**

PATIENT ID : 25P07480004583



HINDLABS INDAPUR

PATIENT NAME : MAHENDR CHANDRKANT AARDE

AGE/SEX : 39 YEAR / MALE

REF. BY DOCTOR : BAWADA

REG. DATE/TIME : 23/08/2019 1:00PM

FACILITY NAME : BAWADA(24X7)

CLIENT NAME : NHM

REPORT DATE : 24/08/2019 6:01PM

### Immunoassay

<u>Investigation</u>	<u>Result</u>	<u>Units</u>	<u>Bio. Ref. Interval</u>
Serum T3	: 1.56	ng/ml	0.8 - 2.0
Serum T4	: 8.06	ug/dl	5.1 - 14.1
Serum TSH	: 1.24	mIU/ml	0.27 - 4.2

• Method: Fully automated electro chemi luminescence immunoassay.

#### Interpretation:

1) In pregnancy there is alteration in thyroid hormone production and metabolism.

2) Useful for screening of thyroid illness, primary/secondary hypo-or hyperthyroidism and also for monitoring patients with thyroid replacement therapy.

• Please correlate with clinical conditions.

\*References from: Wallach's Interpretation of Diagnostic Tests.(10th edition).

--End Of Report--

*Dr. Khushabu R Kabra*

**Dr. Khushabu R Kabra**  
M. B. B. S. M. D PATHOLOGY

**PROCESSED AT HINDLABS PUNE**

Building Vishalata trade center, opp market yard, Near police station, Tal- Indapur dist- Pune-413106

Patient Registration Code : 391960007

PATIENT ID : 25P07480004584



HINDLABS INDAPUR

PATIENT NAME : MR. MAHENDR CHANDRKANT ARDE

AGE/SEX : 39 YEAR / MALE

REF. BY DOCTOR : BAWADA

REG. DATE/TIME : 27/08/2019 1:13PM

FACILITY NAME : BAWADA(24X7)

CLIENT NAME : NHM

REPORT DATE : 27/08/2019 1:39PM

## BIOCHEMISTRY BLOOD SUGAR RANDOM

### Investigation

### Result

### Units

### Bio. Ref. Interval

**BLOOD SUGAR RANDOM**

: **298.00**

mg/dl

70 - 140

• Method : GOD-POD

--End Of Report--

**Dr vijay Kokane**  
M.D.(Pathology)



PATIENT ID : 25P07480004514



HINDLABS INDAPUR

PATIENT NAME : MR. NILESH BALBHIM MOHITE  
REF. BY DOCTOR : BAWADA  
FACILITY NAME : BAWADA(24X7)

AGE/SEX : 34 YEAR / MALE  
REG. DATE/TIME : 27/08/2019 12:52PM  
CLIENT NAME : NHM  
REPORT DATE : 27/08/2019 1:48PM

## BIOCHEMISTRY BLOOD SUGAR RANDOM

<u>Investigation</u>	<u>Result</u>	<u>Units</u>	<u>Bio. Ref. Interval</u>
BLOOD SUGAR RANDOM • Method : GOD-POD	: 89.00	mg/dl	70 - 140

--End Of Report--

Dr vijay Kokane  
M.D.(Pathology)

PATIENT ID : 25P07480004532

PATIENT NAME : MUNDIR PRASAD

REF. BY DOCTOR : BAWADA

FACILITY NAME : BAWADA(24X7)



AGE/SEX

REG. DATE/TIME

CLIENT NAME

REPORT DATE

HINDLABS INDAPUR

: 55 YEAR / MALE

: 24/08/2019 1:59PM

: NHM

: 24/08/2019 3:27PM

## BIOCHEMISTRY BLOOD SUGAR RANDOM

### Investigation

**BLOOD SUGAR RANDOM**

• Method : GOD-POD

### Result

: 85.00

### Units

mg/dl

### Bio. Ref. Interval

70 - 140

--End Of Report--

**Dr vijay Kokane**  
M.D.(Pathology)

PATIENT ID : 25P07480004512



HINDLABS INDAPUR

PATIENT NAME : PRABHAKAR VITTAL RAUT

AGE/SEX : 33 YEAR / MALE

REF. BY DOCTOR : BAWADA

REG. DATE/TIME : 24/08/2019 1:58PM

FACILITY NAME : BAWADA(24X7)

CLIENT NAME : NHM

REPORT DATE : 24/08/2019 3:27PM

## BIOCHEMISTRY BLOOD SUGAR RANDOM

<u>Investigation</u>	<u>Result</u>	<u>Units</u>	<u>Bio. Ref. Interval</u>
<b>BLOOD SUGAR RANDOM</b>	: 97.00	mg/dl	70 - 140
• Method : GOD-POD			

--End Of Report--

**Dr vijay Kokane**  
M.D.(Pathology)

PATIENT ID : 25P07480004560



HINDLABS INDAPUR

PATIENT NAME : MALOJIRAJE VASANT SHINDE

AGE/SEX : 45 YEAR / MALE

REF. BY DOCTOR : BAWADA

REG. DATE/TIME : 23/08/2019 12:59PM

FACILITY NAME : BAWADA(24X7)

CLIENT NAME : NHM

REPORT DATE : 24/08/2019 6:02PM

### Immunoassay

<u>Investigation</u>	<u>Result</u>	<u>Units</u>	<u>Bio. Ref. Interval</u>
Serum T3	: 1.3	ng/ml	0.8 - 2.0
Serum T4	: 7.5	ug/dl	5.1 - 14.1
Serum TSH	: <b>4.73</b>	mIU/ml	0.27 - 4.2

• Method: Fully automated electro chemi luminescence immunoassay.

#### Interpretation:

1) In pregnancy there is alteration in thyroid hormone production and metabolism.

2) Useful for screening of thyroid illness, primary/secondary hypo-or hyperthyroidism and also for monitoring patients with thyroid replacement therapy.

• Please correlate with clinical conditions.

\*References from: Wallach's Interpretation of Diagnostic Tests.(10th edition).

--End Of Report--

PROCESSED AT HINDLABS PUNE

*Dr. Khushabu R Kabra*  
Dr. Khushabu R Kabra  
M.B.B.S.,M.D PATHOLOGY

Building Vishalata trade center, opp market yard, Near police station, Tal- Indapur dist- Pune-413106

Patient Registration Code : 391959988

Page 1 of 1

PATIENT ID : 25P07480004561



HINDLABS INDAPUR

PATIENT NAME : MR. MALOJIRAV VASANT SHINDE

AGE/SEX

: 45 YEAR / MALE

REF. BY DOCTOR : BAWADA

REG. DATE/TIME

: 27/08/2019 1:04PM

FACILITY NAME : BAWADA(24X7)

CLIENT NAME

: NHM

REPORT DATE

: 27/08/2019 1:48PM

## BIOCHEMISTRY BLOOD SUGAR RANDOM

### Investigation

### Result

### Units

### Bio. Ref. Interval

**BLOOD SUGAR RANDOM**

: 95.00

mg/dl

70 - 140

• Method : GOD-POD

--End Of Report--

**Dr vijay Kokane**  
M.D.(Pathology)

# **Annexure – IV**

## **Fire fighting system**

**PHOTOGRAPHS OF FIRE FIGHTING SYSTEM AT NIRA- BHIMA SAHAKARI SAKHAR KARKHANA LTD,  
AT: SHAHAJINAGAR, TAL.: INDAPUR, DIST.: PUNE, MAHARASHTRA**



# **Annexure – V**

**Photograph of Silo ash collector**



Photograph showing Silo for bottom ash collection



# **Annexure – VI**

## **Newspaper Advertisement for Cogeneration**

## PUBLIC NOTICE

WE ARE PLEASED TO INFORM THAT GOVERNMENT OF MAHARASHTRA, MUMBAI HAS ACCORDED AN "ENVIRONMENTAL CLEARANCE" VIDE ITS LETTER NO. SEAC-2012/CR.177/T.C.2 DATED 21.01.2014 FOR COGEN OF 18 MW BY "M/S. NIRA BHIMA SAHAKARI SAKHAR KARKHANA LTD" LOCATED AT SHAHAJINAGAR, POST- REDNI, TAL. INDAPUR, DIST. PUNE- 413114, MAHARASHTRA.

COPIES OF THE CLEARANCE LETTER ARE AVAILABLE WITH THE MAHARASHTRA POLLUTION CONTROL BOARD (MPCB), INDUSTRY AND MAY ALSO BE SEEN AT THE WEBSITE OF SEIAA, AT <http://se.maharashtra.gov.in>

FOR 'Nira-Bhima Sahakari Sakhar Karkhana Ltd, Managing Director

## जाहीर निवेदन

आम्हाला कळविण्यास आनंद होतो की महाराष्ट्र शासन, मुंबई यांच्या दि. २१.०१.२०१४ रोजीच्या पत्र क्र. SEAC-2012/CR-177/TC2 द्वारे 'नीरा भीमा सहकारी साखर कारखाना लि.' यांच्या शहाजीनगर, रेडणी, ता. इंदापूर, जि. पुणे, महाराष्ट्र येथील १८ मे. वॅट सहवीज विस्तारीकरण प्रकल्पास पर्यावरण स्वीकृती मिळाली आहे.

संबंधित कागदपत्रांच्या प्रती महाराष्ट्र प्रदूषण नियंत्रण मंडळ, कारखाना आणि एसईएसी मंत्रालयाच्या खालील संकेतस्थळावर उपलब्ध आहेत.

<http://se.maharashtra.gov.in>

नीरा भीमा सहकारी साखर कारखाना लि. करिता कार्यकारी संचालक

दैनिक कॅसरी

शुक्रवार ९ मार्च २०२०

# **Annexure – VII**

**Acknowledgement copy of six monthly  
compliance report**

o/c

**Nira Bhima Sahakari  
Sakhar Karkhana Ltd.**

Shahajinagar, Tal. Indapur, Dist. Pune.

Founder:  
Hon. Shri. Harshwardhan Shahajirao Patil  
Ex. Minister, Co-Operation & Parliamentary Affairs  
Bawada, Tel: 02111-275501, 275100

Ref No.: NIRA-BHIMA/ENVIR/249/2019-20

Date 27/5/2019

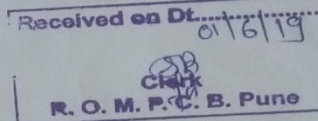
To,  
**The Additional Director (S),**  
Ministry of Environment, Forest and Climate Change  
Regional Office (WCZ), Ground Floor,  
East Wing, New Secretariat Building,  
Civil Line, Nagpur, Maharashtra-440001

**Sub:** Half Yearly Post Environment Clearance Compliance Report for "Nira Bhima Sahakari Sakhar Karkhana Ltd" at Shahajinagar, Post- Redni, Tal-Indapur, Dist- Pune, Maharashtra.

**Ref:** Environmental Clearance Letter No. SEAC-2012/CR-177/TC-2.

**Respected Sir,**

We are submitting herewith the Half Yearly Post Environment Clearance Compliance Reports (**December 2018 to May 2019**) for "Nira Bhima Sahakari Sakhar Karkhana Ltd" at Shahajinagar, Post- Redni, Tal-Indapur, Dist- Pune, Maharashtra. EC accorded by Department of Environment, Government of Maharashtra, vide its Letter No. SEAC-2012/CR-177/TC-2, dated 21<sup>st</sup> January 2014.

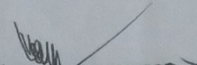


Thanking you,

Yours Faithfully,

For M/s. Nira Bhima Sahakari Sakhar Karkhana Ltd. (NBSSKL)

Authorized Signature  
[Mr. D. V. Mane-M.D.]

  
**MANAGING DIRECTOR**  
Nira Bhima S.S.K.Ltd., Shahajinagar  
Tal-Indapur, Dist-Pune

Copy to:-

1. Regional office Maharashtra Pollution Control Board, Pune.
2. The Member Secretary, Maharashtra Pollution Control Board, Mumbai
3. The Member Secretary, State Level Expert Appraisal Committee-(SEAC)

# **Annexure – VIII**

**Photographs of Pollutant details display  
on the board near main gate**

PHOTOGRAPH SHOWING DISPLAY BOARD



# **Annexure – IX**

## **Environment Statement**





# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

Environmental Audit Report for the financial Year ending the 31st March 2019

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000016414

### Submitted Date

18-06-2019

### Company Information

#### Company Name

Nira Bhima Sahakari Sakhar Karkhana Limited

#### Application UAN number

0000009218 (FY-2017-18)

#### Address

At.: Shahajinagar, PO: Redni, Tal.: Indapur, Dist.: Pune

#### Plot no

340,341,344,345,346,347,348

#### Taluka

Indapur

#### Village

At.: Shahajinagar, PO: Redni

#### Capital Investment (In lakhs)

22134.65

#### Scale

L.S.I.

#### City

Indapur

#### Pincode

413114

#### Person Name

D. V. Mane

#### Designation

Managing Director

#### Telephone Number

9960165577

#### Fax Number

02111 270555

#### Email

nirabhima@gmail.com

#### Region

SRO-Pune I

#### Industry Category

Red

#### Industry Type

R12 Sugar ( excluding Khandsari)

#### Last Environmental statement submitted online

yes

#### Consent Number

1.0/BO/CAC-CELL/UAN No.  
0000048900/R/CAC-1901001162

#### Consent Issue Date

17.01.2019

#### Consent Valid Upto

31.07.2019

### Product Information

#### Product Name

Sugar

#### Consent Quantity

75600

#### Actual Quantity

55449

#### UOM

MT/A

Electric power (Co-generation)

77760000

49411955

Nos./Y

### By-product Information

#### By Product Name

Molasses

#### Consent Quantity

26400

#### Actual Quantity

19042

#### UOM

MT/A

Pressmud

25800

20194

MT/A

Bagasse

270000

142026

MT/A

### 1) Water Consumption in m3/day

#### Water Consumption for Process

#### Consent Quantity in m3/day

312

#### Actual Quantity in m3/day

312

#### Cooling

391

498

#### Domestic

40

40

<b>All others</b>	-	-
<b>Total</b>	743	850

### 1) Effluent Generation in CMD / MLD

<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Trade effluent	375	375	CMD
Domestic effluent	8	8	CMD
Sewage effluent	8	8	CMD

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

<b>Name of Products (Production)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Sugar (White crystal)	0.0190	2.008	MT/A
Molasses	0.184	5.847	MT/A
Bagasse	0.501	0.784	MT/A
Pressmud	0.510	5.514	MT/A

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

<b>Name of Raw Materials</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Sugarcane	9.09	9.38	Ton/Ton

### 4) Fuel Consumption

<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Bagasse	179640	142026	MT/A

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day) Quantity</b>	<b>Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration</b>	<b>Percentage of variation from prescribed standards with reasons %variation</b>	<b>Standard</b>	<b>Reason</b>
COD	52.03	106.2	-57.52	250	Within standard norms
BOD	14.21	29	-71	100	Within standard norms
TDS	275.52	562.3	-73.22	2100	Within standard norms
TSS	23.12	47.2	-52.8	100	Within standard norms

#### [B] Air (Stack)

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day) Quantity</b>	<b>Concentration of Pollutants discharged(Mg/NM3) Concentration</b>	<b>Percentage of variation from prescribed standards with reasons %variation</b>	<b>Standard</b>	<b>Reason</b>
SPM for 40 tph boiler	169.41	91.2	-39.2	150	Within standard norms
SPM for 66 tph boiler	217.58	89.4	-40.4	150	Within standard norms

## HAZARDOUS WASTES

### 1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	0.850	0.450	MT/A

### 2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	NA	NA	MT/A

## SOLID WASTES

### 1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	NA	NA	MT/A

### 2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Fly/Boiler ash	1770	1970	MT/A

### 3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	NA	NA	MT/A

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	0.450	MT/A	Oily waste

### 2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Fly/Boiler ash	1970	MT/A	Solid waste

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
NA	NA	NA	NA	NA	NA	NA

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	NA

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	NA

---

**Any other particulars in respect of environmental protection and abatement of pollution.**

**Particulars**

(1) Installed online monitoring system. (2) Developed Green belt. (3) Achieved ZLD (4) Adopted 3-R Principle. (5) Submitted all document to MPCB & CPCB time to time. (6) No any Legal case.

**Name & Designation**

D. V. Mane (Managing Director)

# **Distillery- 30 KLPD Molasses based distillery**

## Brief Summary of the Project

1. Name of Project : **Nira- Bhima Sahakari Sakhar Karkhana Ltd., (NBSSKL)**
2. Type of Project : 30 KLPD Molasses Based Distillery
3. Clearance Letter No. & date : F. No. J-11011/197/2008-IA II (I), dated 17.03.2009.
4. Location: District : Shahajinagar, Redni, Tal.: Indapur, Dist.: Pune, State: Maharashtra.  
State/UT

**Nira- Bhima Sahakari Sakhar Karkhana Ltd (NBSSKL)** is located at Gat No. 70/1, 303, 304, 305, 306/1, 306/2, 306/3, 306/4, 306/6, 306/7, 332,333, 335, 337, 338, 339, 340, 341, 344, 345, 346, 347, 348/1, 348/2, 348/3, 349, 350, 351/1, 351/2, 352, 353, 404, 405/6, 407, 408/1, 408/2, At: Shahajinagar, Po: Redni, Tal.: Indapur, Dist.: Pune, Maharashtra State. Before establishment of sugar factory, co-gen plant & distillery, the entire land was barren & was acquired from villagers. Unit was registered in May 1999. First crushing season was undertaken in year 2001-02. Present capacity of NBSSKL complex is 3,500 TCD Sugar Factory, 18 MW Co-gen plant and 30 KLPD molasses based distillery. Environmental clearance (EC) was granted to 30 KLPD Molasses Based Distillery in the year March, 2009 and 18 MW Co-gen plant in the year January 2014.

Compliance of Specific and General Conditions mentioned in Environmental Clearance (EC) letter F. No. J-11011/197/2008-IA II (I), dated 17.03.2009 is presented as follows.

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
	<b>SPECIFIC CONDITIONS</b>	
1.	<b>Condition No.1</b> The company shall adopt continuous fermentation technology and spent wash generation shall not exceed 280m <sup>3</sup> /d. The spent wash after bio-methanation in the bio digester shall be composted with press mud to achieve zero discharge.	Company has adopted continuous fermentation process. Raw Spent wash generated is 240 M <sup>3</sup> /D which does not exceed 280 M <sup>3</sup> /D. Raw spentwash is Treated in Bio-methanation Plant & Bio-methanated spentwash along with Pressmud is sent for Bio-Composting to achieve zero discharge.
2.	<b>Condition No.2</b> 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 16 acre for bio composting, spent wash storage lagoon and bio-methanation plant etc. The compost yard shall be made impervious as per the CPCB guidelines.	Raw spentwash is Treated in Bio-methanation Plant & Bio-methanated spentwash along with pressmud is sent for Bio-Composting. The company has earmarked an area of 8 acre for biocomposting, spent wash storage lagoon and bio-methanation plant etc. The compost yard is made impervious as per the CPCB guidelines. Refer <b>Annexure-X</b> for photograph of compost yard.
3.	<b>Condition No.3</b> The spent wash shall be stored in impervious pucca lagoons. The	The spent wash is being stored in impervious pucca lagoons with proper lining with HDPL and kept in proper condition

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
	spent wash lagoon shall have proper lining with HDPL and shall be kept in proper condition to prevent ground water pollution. As per the CPCB recommendation, storage for the concentrated spent wash shall not exceed 30 days capacity.	to prevent ground water pollution. As per the CPCB recommendation, storage for the concentrated spent wash does not exceed 30 days capacity. Refer <b>Annexure-XI</b> for photograph of lagoon.
4.	<b>Condition No.4</b> Adequate numbers of ground water quality monitoring stations by providing piezometers around the compost plant and project areas shall be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry.	Recently piezometer is not installed on site. Further they will be installed around the compost plant and project area. Sampling and trend analysis monitoring will be done on monthly a basis and report submitted to SPCB and this Ministry.
5.	<b>Condition No.5</b> The particulate emission from the bagasse fired boiler shall be controlled by installation of wet scrubber/ESP and emission shall be dispersed through stack of height as per CPCB standards.	Two boilers of 66 TPH and 40 TPH are installed. The particulate emissions from boiler are controlled by ESP and Wet Scrubber and dispersed through stack height of 75M and 60M respectively.
6.	<b>Condition No.6</b> The company shall obtain permission from the state Irrigation Department to draw the water	The permission granted to NBSSKL by Irrigation Department; Govt of Maharashtra for lifting fresh water from the Bhima river is 4, 41,600 M <sup>3</sup> /Year. Refer <b>Annexure-XII</b> for the water permission letter.
7.	<b>Condition No. 7</b> Green belt in 33% of the plant area shall be provided to mitigate the effects of fugitive emissions all around the plant and compost yard as per the CPCB guidelines in consultation with the local DFO.	Total 48750 Nos. of trees Species have been planted in the factory premises. Out of the total plot of 5,34,060 (53.40 Ha.); 1,22,502 (12.25 Ha.) area come under Greenbelt. This comes to about 23% of total plot area. Green belt development is a continuous process and every year around 1500 saplings are plantation in monsoon period. Refer <b>Annexure- II</b> for details of Greenbelt.
8.	<b>Condition No. 8</b> Company shall adopt rainwater harvesting measures to recharge the ground water.	The rain water harvesting plan : ➤ Surface Harvesting: Runoff from Industrial Plot 53.40 Ha. to be harvested and stored in tanks excavated at suitable locations as per the contour levels. ➤ Roof Top Area for rain water harvesting – 23,716.98 M <sup>2</sup>

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
		<ul style="list-style-type: none"> <li>➤ Roof Top Harvesting shall yield – 10245.74 M<sup>3</sup></li> <li>➤ Open Land Area in the Industrial Premises – 5,10,343 M<sup>2</sup></li> <li>➤ Surface Harvesting (Partly done) yield – 56,589 M<sup>3</sup></li> <li>➤ Total water – 149134.93 M<sup>3</sup>; 149.1 ML</li> <li>➤ Groundwater recharge through infiltration &amp; percolation shall have Positive Impact on Water Table in premises, Reuse of Harvested Water shall save Fresh Water for Domestic and Gardening purposes.</li> </ul>
<b>GENERAL CONDITIONS</b>		
9.	<b>Condition No. 1</b> No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	No further expansion or modification in the plant is being carried out without prior approval of the Ministry of Environment and Forests.
10.	<b>Condition No. 2</b> 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 <sub>2</sub> , NO <sub>x</sub> , are anticipated in consultation with the State Pollution Control Board.	Ambient Air Quality Monitoring Stations are set up in the down wind direction as well as where maximum ground level concentration of SPM, SO <sub>2</sub> , NO <sub>x</sub> , are anticipated in consultation with the State Pollution Control Board. Refer <b>Annexure-I</b> for Monitoring report.
9.	<b>Condition No.3</b> Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the State Pollution Control Board. Regular monitoring should be carried out for relevant parameters.	Condition is complied. Refer <b>Annexure-I</b> for Monitoring report.
10.	<b>Condition No. 4</b> 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 / 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	The industry ensures 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. Refer <b>Annexure-I</b> for Monitoring report. Continuous electricity supplied by in-house 18 MW Co-generation plant to pollution control system. In case of power failure situation, industrial activities are immediately shut down along with pollution control system.



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	are rectified to achieve the desired efficiency																																									
11.	<p><b>Condition No. 5</b> 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 should conform to the standards prescribed under EPA rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time).</p>	<p>The overall noise levels in and around the plant area are kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise control generation. Noise monitoring reports for existing unit are enclosed at <b>Annexure –I</b>.</p>																																								
12.	<p><b>Condition No. 6</b> The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA / EMP report.</p>	<p>Compliance strictly followed. Following is the break-up for EMP:</p> <table border="1" data-bbox="716 852 1485 1843"> <thead> <tr> <th rowspan="2">No.</th> <th rowspan="2">Description</th> <th colspan="2">Cost Component (Rs. Cr)</th> </tr> <tr> <th>Capital</th> <th>Annual O &amp; M</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>APC Equipments: ESP (66 TPH), Wet scrubber (40 TPH), Stack heights 75 M &amp; 60 M.</td> <td>7.25</td> <td>0.7</td> </tr> <tr> <td>2</td> <td>Water Pollution Control &amp; OCMS (Bio-compost Yard &amp; Machine, Sp. wash Tank, Maintenance of ETP, OCMS)</td> <td>12.50</td> <td>1</td> </tr> <tr> <td>3</td> <td>Noise Pollution: Insulation, Isolation, Attenuation Infrastructure of Plant &amp; Machinery, PPEs</td> <td>1.00</td> <td>0.05</td> </tr> <tr> <td>4</td> <td>Occupational Health and Safety (Medical Check-up of employees, PPEs)</td> <td>0.50</td> <td>0.08</td> </tr> <tr> <td>5</td> <td>Environmental Monitoring &amp; Management</td> <td>0.25</td> <td>0.02</td> </tr> <tr> <td>6</td> <td>Green Belt Development</td> <td>0.50</td> <td>0.15</td> </tr> <tr> <td>7</td> <td>Provision towards CER</td> <td>0.44</td> <td>-</td> </tr> <tr> <td></td> <td><b>Total (8.8 % of Capital Investment of Rs. 254.04 Cr)</b></td> <td><b>22.44</b></td> <td><b>2</b></td> </tr> </tbody> </table>			No.	Description	Cost Component (Rs. Cr)		Capital	Annual O & M	1	APC Equipments: ESP (66 TPH), Wet scrubber (40 TPH), Stack heights 75 M & 60 M.	7.25	0.7	2	Water Pollution Control & OCMS (Bio-compost Yard & Machine, Sp. wash Tank, Maintenance of ETP, OCMS)	12.50	1	3	Noise Pollution: Insulation, Isolation, Attenuation Infrastructure of Plant & Machinery, PPEs	1.00	0.05	4	Occupational Health and Safety (Medical Check-up of employees, PPEs)	0.50	0.08	5	Environmental Monitoring & Management	0.25	0.02	6	Green Belt Development	0.50	0.15	7	Provision towards CER	0.44	-		<b>Total (8.8 % of Capital Investment of Rs. 254.04 Cr)</b>	<b>22.44</b>	<b>2</b>
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13.	<p><b>Condition No.7</b> Occupational health surveillance program shall be undertaken as regular exercise 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.</p>	Occupational health surveillance is being carried out for all employees and records are maintained. A sample copy of latest health check-up report is attached at <b>Annexure – III</b> .																																								
14.	<p><b>Condition No. 8</b> A separate environmental management cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.</p>	<p>A separate Environment Management cell with qualified staff is already established.</p> <table border="1" data-bbox="751 667 1455 1423"> <thead> <tr> <th data-bbox="751 667 837 772">No.</th> <th data-bbox="837 667 1076 772">Name of Member</th> <th data-bbox="1076 667 1317 772">Designation</th> <th data-bbox="1317 667 1455 772">No. of Working Person(s)</th> </tr> </thead> <tbody> <tr> <td data-bbox="751 772 837 842">1</td> <td data-bbox="837 772 1076 842">Mr. Lalasaheb Pawar</td> <td data-bbox="1076 772 1317 842">Chairman</td> <td data-bbox="1317 772 1455 842">1</td> </tr> <tr> <td data-bbox="751 842 837 911">2</td> <td data-bbox="837 842 1076 911">Mr. Dhiraj kumar Mane</td> <td data-bbox="1076 842 1317 911">Managing Director</td> <td data-bbox="1317 842 1455 911">1</td> </tr> <tr> <td data-bbox="751 911 837 1010">3</td> <td data-bbox="837 911 1076 1010">Representative of Environmental Consultant</td> <td data-bbox="1076 911 1317 1010">Env. Consultant</td> <td data-bbox="1317 911 1455 1010">2</td> </tr> <tr> <td data-bbox="751 1010 837 1079">4</td> <td data-bbox="837 1010 1076 1079">Mr. Gajendra Girame</td> <td data-bbox="1076 1010 1317 1079">Chief Engineer</td> <td data-bbox="1317 1010 1455 1079">1</td> </tr> <tr> <td data-bbox="751 1079 837 1148">5</td> <td data-bbox="837 1079 1076 1148">Mr. Sudheer Genge</td> <td data-bbox="1076 1079 1317 1148">Distillery Incharge</td> <td data-bbox="1317 1079 1455 1148">1</td> </tr> <tr> <td data-bbox="751 1148 837 1218">6</td> <td data-bbox="837 1148 1076 1218">Mr. Bharat Patil</td> <td data-bbox="1076 1148 1317 1218">Labor Welfare Officer</td> <td data-bbox="1317 1148 1455 1218"></td> </tr> <tr> <td data-bbox="751 1218 837 1287">7</td> <td data-bbox="837 1218 1076 1287">Mr. Kalyan Gaikwad</td> <td data-bbox="1076 1218 1317 1287">Environmental Engineer</td> <td data-bbox="1317 1218 1455 1287">1</td> </tr> <tr> <td data-bbox="751 1287 837 1356">8</td> <td data-bbox="837 1287 1076 1356">Mr. Kalyanrao Patale</td> <td data-bbox="1076 1287 1317 1356">Chief Agree Officer Incharge</td> <td data-bbox="1317 1287 1455 1356">1</td> </tr> <tr> <td data-bbox="751 1356 837 1423">9</td> <td data-bbox="837 1356 1076 1423">Mr. Dhananjay Limbore</td> <td data-bbox="1076 1356 1317 1423">Cane Supply Officer</td> <td data-bbox="1317 1356 1455 1423">1</td> </tr> </tbody> </table>	No.	Name of Member	Designation	No. of Working Person(s)	1	Mr. Lalasaheb Pawar	Chairman	1	2	Mr. Dhiraj kumar Mane	Managing Director	1	3	Representative of Environmental Consultant	Env. Consultant	2	4	Mr. Gajendra Girame	Chief Engineer	1	5	Mr. Sudheer Genge	Distillery Incharge	1	6	Mr. Bharat Patil	Labor Welfare Officer		7	Mr. Kalyan Gaikwad	Environmental Engineer	1	8	Mr. Kalyanrao Patale	Chief Agree Officer Incharge	1	9	Mr. Dhananjay Limbore	Cane Supply Officer	1
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15.	<p><b>Condition No. 9</b> The project authorities shall provide all requisite funds for both recurring and non-recurring expenditure to implement the conditions stipulated by the non-recurring expenditure to implement the conditions stipulated by the Ministry of Environment and Forest as well as the State government along with the implementation schedule for all conditions stipulated herein. The funds so provided shall not be</p>	Condition is complied. Refer <b>Annexure-XIII</b> for Photographs of CSR activity done.																																								

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	diverted for any other purpose.	
16.	<p><b>Condition No. 10</b> The implementation of the project vis-a-vis environmental action plans will be monitored by ministry's regional office at Bhopal/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.</p>	Regular Six Monthly Compliance reports have been submitted. Refer <b>Annexure – VII</b> for Acknowledgment of previous Six Monthly Compliance report
17.	<p><b>Condition No. 11</b> 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 Forest at <a href="http://envfor.nic.in">http://envfor.nic.in</a>. this shall be advertised within seven days from the date of issue of the clearance letter, at least in to 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.</p>	Condition is complied. Refer <b>Annexure – XIV</b> for newspaper advertisement copy.
18.	<p><b>Condition No. 12</b> The project authorities shall inform the Regional Office as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.</p>	Date of financial closure in connection with the Industrial Project is 31 <sup>st</sup> March every year.

# **Annexure – X**

**Photograph of compost Yard**

**PHOTOGRAPHS OF COMPOST YARD AT  
NIRA- BHIMA SAHAKARI SAKHAR KARKHANA LTD,  
AT: SHAHAJINAGAR, TAL.: INDAPUR, DIST.: PUNE, MAHARASHTRA**



# **Annexure – XI**

## **Photograph of Lagoon**



**Annexure – XII**  
**Water Permission Letter**





१६) उलाशमातील पाण्याचा टंचाई/गुणवत्तेबाबत मातब्बारे विभाग (महामंडळ) जबाबदार राहणार नाही.

१७) पाणी जलाशय / कालवा / नदी मधून घेत उचलावे लागेल. उचलावे निम्न पातळी उलामापासित

१८) पाणी उचलेल्यावे शेवट्याची वाजत्या कसली लागेल व या आसखड्यास मातब्बारे विभागाच्या

(महामंडळाच्या) कार्यकारी अधिकारी यांचे वाचनामार्फती पुत्रसामना घ्यावा लागेल. आसखड्या

मितीपासून १०० मीटर अंतरावर जंक्शन व पंपहाऊस असावे.

१९) उलामापासिता व उलामापन गीटर व्यवस्था संस्थेस, स्वयंसेवक कसली लागेल व ती वाजत्या वाजत्या

२०) वाजत्यापासिता अधिकार महामंडळास राहिल. ही व्यवस्था वेळोवेळी पाणी पुरवठा चालू करता

२१) येणार नाही. तसेच प्रत्येक पाणी वाजत्यासाठी स्वतंत्र गीटर वसवीणे वाचनाकारक आहे. कालवा

२२) उदीचील बांधण्यास मातब्बारे विभागाच्या कार्यकारी अधिकारी यांची मंजूरी घ्यावी लागेल.

२३) पाणीपट्टीची वसुली भविष्य काळात प्रमावीपणे देण्याचे दुपटीने महाराष्ट्र कृषि खोर विकास

२४) महामंडळ, पारितोर्ज आगवोडकी विभाग व संबंधित प्राग्विकार्यत यांचेमध्ये द्विपक्षीय करार करण्यात

२५) यात आणीपट्टी वेळेत वरवी नाही वर पाणी पुरवठा खंडित करण्याचा अधिकार महामंडळास राहिल.

२६) संस्थेने वर माहितीच्या पाणीपट्टी दुसरी अनामत स्वयंसेवक महामंडळाकडे आणकड करणे आवश्यक

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AG 2/2002  
11 JUL 2002

(प्र.स.पी.उत्त)  
सचिव, मुख्य अधिकारी (वि.प्र.)  
मातब्बारे विभाग, पुणे नगर

१) कार्यकारी संचालक, महाराष्ट्र कृषि खोर विकास महामंडळ, पुणे नगर

२) आधीच जबाबदार, प्रशासक, ला शे वि.प्र. सोलापूर यांना माहितीसाठी.

३) शासनाचे/महामंडळाचे वेळोवेळी दिलेल्या सुचनांचे काटेकोर पालन करून विहीत

४) गुणवत्ताकरणाच्या कारणांनी

५) कारणांच्या कारणपूर्वी संस्थेकडून महाराष्ट्र प्रदूषण नियंत्रण मंडळाचे मुदत वाढीचे

६) प्रमाणपत्र मिळवून ते कारणांच्या लावावे.

७) कारणांच्याचे नुसतीकरण कारणपूर्वी शासना/महामंडळाचे वेळोवेळी दिलेले आदेश तसेच

८) प्रदेश कार्यालयाचे स्पष्टीकरण अटी व शर्तीचे काटेकोरपणे पालन होणे महत्त्वाचे आहे.

९) पाणी प्रदान हे महामंडळाच्या महसूल मिळवून देण्याचे साधन आहे. त्यामुळे महसूल

१०) वसुली विलंब पाटेकोरपणे व सतत राहणे अत्यंत महत्त्वाचे आहे.

११) पुनः कारणांच्याबाबत शासनाच्या आदेशाबाबत शासनाच्या

१२) निष्ठास पाटेकोरपणे आदेशाबाबत शासनाच्या

१३) प्रमाणे कार्यवाही घ्यावी असे

१४) आदेशाबाबत शासनाच्या

१५) आदेशाबाबत शासनाच्या

१६) आदेशाबाबत शासनाच्या

१७) आदेशाबाबत शासनाच्या

१८) आदेशाबाबत शासनाच्या

१९) आदेशाबाबत शासनाच्या

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# **Annexure – XIII**

**Photograph of CSR activity done**

**PHOTOGRAPHS OF CSR ACTIVITIES DONE BY AT NIRA- BHIMA SAHAKARI SAKHAR KARKHANA LTD,  
AT: SHAHAJINAGAR, TAL.: INDAPUR, DIST.: PUNE, MAHARASHTRA**



# **Annexure – XIV**

**Newspaper Advertisement for Distillery**

## PUBLIC NOTICE

WE ARE PLEASED TO INFORM THAT 'MINISTRY OF ENVIRONMENT AND FOREST (MoEF), GOVERNMENT OF INDIA, NEW DELHI HAS ACCORDED AN "ENVIRONMENTAL CLEARANCE" VIDE ITS LETTER F.NO. J-11011/197/2008-1A II(I) DATED 17.03.2009 FOR ESTABLISHMENT OF 30 KLPD MOLASSES BASED DISTILERY UNIT BY 'M/S. NIRA-BHIMA SAHAKARI SAKHAR KARKHANA LIMITED', LOCATED AT SHAHAJINAGAR, REDNI, TAL : INDAPUR, DIST : PUNE, MAHARASHTRA.

COPIES OF THE CLEARANCE LETTER ARE AVAILABLE WITH THE MAHARASHTRA STATE POLLUTION CONTROL BOARD (MPCB), INDUSTRY AND MAY ALSO BE SEEN AT THE WEBSITE OF MINISTRY OF ENVIRONMENT AND FOREST (MoEF), GOVERNMENT OF INDIA, DELHI, AT <http://envfor.nic.in>

FOR 'M/s Nira-Bhima Sahakari Sakhar Karkhana Limited,'  
Managing Director

## जाहीर निवेदन

आम्हाला कळविण्यास आनंद होतो "MoEF" ची भारत सरकार, नवी दिल्ली, यांच्या दि. १७.०३.२००९ रोजीच्या पत्र क्र. F.No. J-11011/197/2008-1A II(I) द्वारे "नीरा भीमा सहकारी साखर कारखाना लि." शहाजीनगर, रेडणी, ता. इंदापूर, जि. पुणे, महाराष्ट्र येथील मोलॅसिस (मळी) वर आधारित ३० किलो लिटर प्रतिदिन क्षमतेच्या आसवनी प्रकल्पास पर्यावरण स्वीकृती मिळाली आहे.

संबंधित कागदपत्रांच्या प्रती महाराष्ट्र प्रदूषण नियंत्रण मंडळ, कारखाना आणि पर्यावरण, वने व हवामान बदल मंत्रालयाच्या खालील संकेतस्थळावर उपलब्ध आहेत.

<http://envfor.nic.in>

नीरा भीमा सहकारी साखर कारखाना लि, करिस्ता कार्यकारी संचालक

दैनिक कैमरी  
सोमवार ६ मार्च २०२०