



**SHREE DATTA SHETKARI SAHAKARI SAKHAR KARKHANA LTD., SHIROL.
श्री दत्त शेतकरी सहकारी साखर कारखाना लिमिटेड, शिरोळ.**

POST:DATTANAGAR 416 120. TALUKA SHIROL, DIST. KOLHAPUR. (MS) INDIA
पोस्ट : दत्तनगर ४१६ १२०, तालुका शिरोळ, जिल्हा कोल्हापूर (महाराष्ट्र) भारत
Phone : (02322) 236551 (6 Lines), Fax : (02322) 236600
E-mail : klp.dattssk@gmail.com



Ref. No 2756/MoEF/SCR/2020-2021

Date: 23/06/2020

To,
Deputy Director General of Forests (Central),
West Central Zone,
Regional Office (WCZ) Ground Floor, East wing,
New Secretariat Building, Opp. VCA Ground,
Civil Lines, Nagpur – 440001.

Sub: Six Monthly Compliance Report For the period ending 1 June 2020.

Ref-1: Environmental Clearance for the expansion/modernization of the sugar factory capacity from 7500 TCD (313 TCH) to 9000 TCD (375 TCH) at Shri Datta Shetkari Sahakari Sakhar Karkhana Ltd., SEIAA Meeting No: 130 Meeting Date: May 25, 2018 (SEIAA STATEMENT-0000000041) SEIAA-MINUTES-0000000450, SEIAA-EC-0000000326, dated- 1 June, 2018

Ref-2: Environmental Clearance for the expansion of the Distillery unit from 30 KLPD to 60 KLPD at Shri Datta Shetkari Sahakari Sakhar Karkhana Ltd., vide MOEF letter No. J-11011/33/2001-IA II(I) Dtd 11/12/2001.

Dear Sir,

With Reference to the above subject matter reference- 1 & reference- 2, we are submitting the environmental status Report and Compliance of environmental Clearance conditions.

PROFARMA FOR COMPLIANCE OF ENVIRONMENT CLEARENCE CONDITIONS OF SUGAR UNIT

1.	Period of Submission of half yearly Compliance Report	December 2019 to June 2020
2.	Air, Water Analysis Data	Annexure I.
3.	Current States of the Project	(A) The Sugar Unit Capacity is expanded from 7500 to 9000 TCD without any additional inputs such as Water, Fuel and Effluent Generation. Environment Clearance was granted by the State Level Environment Impact Assessment Authority on 1 st June 2018. The copy of the Environmental Clearance is enclosed..



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4.	Name and Contact Details of the responsible person with respect to the submitted report	M. V. Patil Managing Director, Shree Datta Shethkari S.S.K. Ltd., (Po) Dattanagar – 416120, (Tq) Shirol, (Dst) Kolhapur. Ph. - (02322) 236551 (6 lines), (02322) 236600 Email: klp.dattsssk@gmail.com Website: www.dattasugar.co.in
5.	Legal Status	No Court Cases except MPCB has given closure notice to all sugar units in Kolhapur District for excess crushing.
6.	Online Monitoring	Installed for Sugar and Distillery Units.
7.	CREP Conditions	Implemented
8.	ETP Technologies Adopted	(A) <u>Sugar</u> : Anaerobic followed by Aerobic treatment and treated effluent is used for irrigation on 100 acres of land. (B) <u>Distillery</u> : 30 days Spentwash storage tank as per CPCB guidelines “Composting” yard is concreted.



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**ENVIRONMENTAL CLEARANCE CONDITIONS AND COMPLIANCE FOR 7500 TCD
TO 9000 TCD**

Sr. No.	EC Conditions	Compliance
Specific Conditions:		
1.	PP to submit copy of agreement made with the Irrigation department for lifting water from the River. PP to comply with all terms and conditions mentioned in the agreement.	Submitted copy of agreement from irrigation department for lifting of River water. Annexure-II
2.	PP informed that they have obtained earlier EC vide SEIAA-EC-0000000326, dated- 1 June, 2018, MoEF's regional office Nagpur visited the site and identified few non compliance in their report including excess crushing. PP to submit copy of reply submitted to MoEF&CC regional office in this regard.	Submitted copy of reply to MoEF&CC regional office in this regard. Annexure-III
3.	PP to submit copy of point wise reply to the issues rose in Public Hearing.	Submitted copy of point wise reply to the issues raised in Public Hearing. Annexure-IV
4.	PP to submit letter mentioning exact project cost.	Annexure-V
General Conditions:		
1.	(i)PP to achieve Zero Liquid Discharge; PP shall ensure that there is no increase in the effluent load to CETP.	The Industry adopted the cleaner technology to recycle the entire condensates water to process. The treated effluent is applied on 40 hectares Of land
2.	No additional land shall be used/acquired for any activity of the project without obtaining proper Permission.	Existing land is adequate.
3.	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.	Risk analysis was carried out and implemented. Personnel protection equipments are provided to workers. Health records of the employees are maintained as per Occupational Health Studies.
4.	Proper Housekeeping programmers shall be implemented.	Complied.



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5.	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.	Noted & shall be complied
6.	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).	The stack height provided for DG set is 6 meter above the roof level.
7.	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Being Implemented.
8.	Arrangement shall be made that effluent and storm water does not get mixed.	Separate collection systems are provided
9.	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.	Carried out regularly Annexure-I.
10.	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.	Complied.
11.	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 confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.	Implemented such as acoustic system and Noise proof foundations/enclosures etc. Also plantation is done to reduce noise levels. Results are included in Annexure I
12.	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.	29.64 hectares land used for green belt purpose. The industry planted 30000 trees. Remaining 14460 plants shall be planted within next 1 to 2 year. The industry proposes to plant 1000 to 1500 trees per year in order to increase the greenbelt over and above 33% of the total factory area



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13	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.	Risk analysis was carried out and implemented.
14	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	Health records of the employees are maintained as per occupational Health Studies.
15	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Firefighting arrangements have been provided around the storage of molasses, bagasse and sugar godowns etc. Fire bridged is available with the industry and arrangement also has been made to contact the nearby industries and municipalities for fire bridged in case of emergencies.
16	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.	The only hazardous waste generated is spent oil and disposed as per CPCB guidelines to authorized recyclers.
17	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.	Already implemented.
18	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Provided.



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19	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 be reported to the MPCB & this department.	Complied.
20	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	Complied
21	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 st June & 1 st December of each calendar year.	Submitted regularly.
22	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.	Complied.
23	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 ₂ , NO _x (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.	Complied



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24	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Six Monthly compliance reports are regularly submitted.
25	The environmental statement for each financial year ending 31 st 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.	Submitted regularly.



CONDITIONS OF COMPLIANCE FOR THE EXPANSION OF THE DISTILLERY UNIT FROM 30 KLPD TO 60 KLPD

A. SPECIFIC CONDITIONS:

- i. The treated effluents are meeting the SPCB standards. The summarized results are enclosed. **Annexure-I**.
- ii. Adopted only the continuous fermentation technology (Multi Pressure Vacuum Distillation Process) for the expansion and the effluent quantity of spent wash is less than 6 KL/KL of RS production.
- iii. Established co-generation power plant on BOOT principles by Urjankur Shree Data Power Company Ltd., and ESP is installed as air pollution control equipment, for the high pressure boiler by the Ujankur Shree Datta Power Company Ltd. The Distillery unit takes power and steam from this company.
- iv. The composting plant has been working satisfactorily. Photographs of the Composting plant are attached.
- v. The composting process is based on raw spentwash using mainly Pressmud, Bagasse, Fly Ash and agriculture trash etc. as filter material. The spent wash composting is carried out on seepage proof compost yard. The spent wash is stored in lined lagoons, as per the CPCB guidelines. The generated spentlees is treated in CPU and to achieve BOD level of less than 100 mg/l and used for irrigation/plantation purpose.
- vi. The occupational health surveillance includes lung function test, sputum analysis and chest X-ray in the factory hospital regularly. We have established a well furnished 20 Bed Hospitals in our campus.

B. GENERAL CONDITIONS :

- i) The MPCB consent conditions are being followed strictly.
- ii) We shall be informing to the MoEF and obtain permission for any modernization/ expansion of the project.



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- iii) The AAQ samples have been monitored as per the prevailing wind direction as well as at the worst conditions predicted and also on upward downward wind direction. The results are enclosed in **Annexure I**.
- iv) Complied and regular monitoring of influent and effluent samples were carried as per the consent conditions of the MPCB and the results are enclosed.
- v) Complied and the noise levels are regularly monitored and the results are enclosed in **Annexure I**
- vi) 20 hectares of land is covered out of 29.64 hectares of land to be developed for Greenbelt and remaining 9.64 hectares of land shall be developed within 1 to 2 years.
- vii) Complied.
- viii) A full-fledged Environmental Cell is established. The laboratory has sophisticated equipment for soil analysis, however, water, waste water and Air monitoring analysis is outsourced.
- ix) Complied and six monthly compliance report is submitted regularly.
- x) These conditions have been already fulfilled.
- xi) a) Date of Financial Closer is - 03/08/2003
b) Date of Financial Approval - 30/12/2000
c) Date of Start of Development Work - 09/03/2001

Prashant Yours Faithfully
For Shree Datta SSSK Ltd., Shirol
S
(M.V.Patil)
Managing Director

Monitoring the Implementation of Environmental Safeguards
Ministry of Environment, Forest & Climate Change
Regional Office (West Central Zone), Nagpur

Monitoring Report

Part - I

DATA SHEET

1.	Project Type: River-valley / Mining / Industry /Thermal / Nuclear / Other (Specify)	Sugar Industry
2.	Name of the Project	Expansion/ Modernization of the Sugar factory capacity for 7500 TCD (313 TCH) to 9000 TCD (375 TCH)
3.	Clearance Letter (s) / OM No. and date	SEIAA-EC-0000000326 Dtd – 01/06/2018
4.	Location i. District (s) j. State (s) k. Latitude l. Longitude	Kolhapur Maharashtra 16° 45' N 74° 36' E
5.	Address for correspondence c. Address of concerned Project Chief Engineer (with Pin Code & Telephone/ Telex/ Fax Numbers) : & Address of Executive Project Engineer / Manager (with pin code/fax numbers)	Managing Director Shree Datta Shetakari Sahakari sakhar Karkhana Ltd., Shirol, Post – Dattanagar, 416 120 Tal – Shirol Dist – Kolhapur Tel No – (02322) 236551 (6 lines) Fax- (02322) 236600
6.	Salient features e. Of the Project f. Of the Environmental Management Plan	Executive Summery Attached EMP Chapter Attached
7.	Break up of the Project area e. Submergence Area: Forest & Non Forest f. Others	Nill Nill Nill
	i. Total Plot Area	85.46 Hect.
	j. Built - Up Area (Including Road)	14.61 Hect.
	k. Open Space available	0.48 Hect
	l. Green belt area	29.64 Hect
8.	Break up of the Project affected population with enumeration of those losing houses/dwelling units only, agricultural land only, both dwelling units & both dwelling units & agricultural land & landless laborers/artisan e. SC, ST/Adivasis f. Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey carried out gives details and years of survey.)	Nill

9.	<p>Financial Details</p> <p>m. Project costs as originally planned & subsequent revised estimates and the year of price reference.</p> <p>n. Allocations made for Environmental Management Plan with item wise & year wise breakup.</p> <p>o. Benefit Cost Ratio / Internal rate of Return and the year of assessment.</p> <p>p. Whether (c) includes the cost of Environmental Management as shown in the above.</p> <p>q. Actual expenditure incurred on the Project so far</p> <p>r. Actual expenditure incurred on the Environmental Management Plan so far</p>	<p>14.84 Cr.</p> <p>1.7 Cr.</p> <p>N.A.</p> <p>No</p> <p>2.3 Cr. (9000 TCD Plant)</p>
10.	<p>Forest land requirement</p> <p>g. The status of approval for diversion of Forestland for non-forestry use</p> <p>h. The Status of clearing felling</p> <p>i. The status of compensatory Afforestation programme in the light of actual field experience</p>	Nill
11.	<p>The status of clear felling in non-forest areas (such as submergence area of reservoir, Approach roads), if any with quantitative information</p>	N.A.
12.	<p>Status of construction</p> <p>e. Date of commencement (Actual and/or Planned)</p> <p>f. Date of completion (Actual and/or Planned)</p>	<p>02/06/2018</p> <p>30/10/2018</p>
13.	<p>Reasons for the delay if the project is yet to start</p>	N.A.
14.	<p>Dates of site visits</p> <p>e. The dates on which the Project was monitored by Regional Office on previous occasions, if any</p> <p>f. Date of site visit for this monitoring Report</p>	<p>Mr. Sureshkumar Adapa</p> <p>Date – 10/12/2016</p>
15.	<p>Details of correspondence with project authorities for obtaining action plan / information on status of compliance to safeguards other than the routine letters for logistic support for site visit.</p> <p>(The monitoring report may obtain the details of all the letters issued so far but the later reports may cover only the letters issued subsequently)</p>	Attached

Monitoring the Implementation of Environmental Safeguards
Ministry of Environment, Forest & Climate Change
Regional Office (West Central Zone), Nagpur
Monitoring Report

Part – I
DATA SHEET

1.	Project Type: River-valley / Mining / Industry /Thermal / Nuclear / Other (Specify)	Distillery Industry
2.	Name of the Project	Capacity Expansion of the distillery unit from 30 klpd to 60 klpd
3.	Clearance Letter (s) / OM No. and date	No. J-11011/33/2001-IA II (I) Dtd – 11/12/2001
4.	Location m. District (s) n. State (s) o. Latitude p. Longitude	Kolhapur Maharashtra 16 45' N 74 36' E
5.	Address for correspondence d. Address of concerned Project Chief Engineer (with Pin Code & Telephone/ Telex/ Fax Numbers) : & Address of Executive Project Engineer / Manager (with pin code/fax numbers)	Managing Director Shree Datta Shetakari Sahakari sakhar Karkhana Ltd., Shirol, Post – Dattanagar, 416 120 Tal – Shirol Dist – Kolahapur Tel No – (02322) 236551 (6 lines) Fax- (02322) 236600
6.	Salient features g. Of the Project h. Of the Environmental Management Plan	Executive Summery Attached EMP Chapter Attached
7.	Break up of the Project area g. Submergence Area: Forest & Non Forest h. Others	Nill Nill Nill
	m. Total Plot Area	85.46 Hect.
	n. Built - Up Area (Including Road)	3.05 Hect.
	o. Open Space available	0.48 Hect
	p. Green belt area	29.64 Hect
8.	Break up of the Project affected population with enumeration of those losing houses/dwelling units only, agricultural land only, both dwelling units & both dwelling units & agricultural land & landless laborers/artisan g. SC, ST/Advises h. Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey carried out gives details and years of survey.)	Nill

9.	<p>Financial Details</p> <p>s. Project costs as originally planned & subsequent revised estimates and the year of price reference.</p> <p>t. Allocations made for Environmental Management Plan with item wise & year wise breakup.</p> <p>u. Benefit Cost Ratio / Internal rate of Return and the year of assessment.</p> <p>v. Whether (c) includes the cost of Environmental Management as shown in the above.</p> <p>w. Actual expenditure incurred on the Project so far</p> <p>x. Actual expenditure incurred on the Environmental Management Plan so far</p>	12.70 Cr. 0.70 Cr. N.A. No 1.00 Cr.	
10.	Forest land requirement	j. The status of approval for diversion of Forestland for non-forestry use k. The Status of clearing felling l. The status of compensatory A forestation programmer in the light of actual field experience	
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, Approach roads), if any with quantitative information	N.A.	
12.	Status of construction	g. Date of commencement (Actual and/or Planned) h. Date of completion (Actual and/or Planned)	23/10/2000 27/02/2002
13.	Reasons for the delay if the project is yet to start	N.A.	
14.	Dates of site visits	g. The dates on which the Project was monitored by Regional Office on previous occasions, if any h. Date of site visit for this monitoring Report	Mr. Sureshkumar Adapa Date – 10/12/2016
15.	Details of correspondence with project authorities for obtaining action plan / information on status of compliance to safeguards other than the routine letters for logistic support for site visit. (The monitoring report may obtain the details of all the letters issued so far but the later reports may cover only the letters issued subsequently)	Attached Letter	

Annexure I

<u>TEST REPORT</u>	
Report Ref. No. : SEC/AA-PP/12-19, 01-20 & 02-20	Nature of Sample: Air
Name of Industry/Customer: Shri Datta SSSK Ltd.	Sample Collected By: SEC Lab
Address: A/p. Dattanagar – 416120, Tal: Shirol, Dist. Kolhapur	Period of Sampling: Dec 2019
Name of Sample : Ambient Air Monitoring	to Feb 2020

Sr. No	Sampling Station	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	AQI
	NAAQ Standard 2009	100 $\mu\text{g}/\text{m}^3$	60 $\mu\text{g}/\text{m}^3$	80 $\mu\text{g}/\text{m}^3$	80 $\mu\text{g}/\text{m}^3$	
	Hours	24hr	24hr.	24hr	24hr	
Dec-2019						
1	Near Factory Main Gate	69	30	10.0	16.0	69
2	Near Urjankur Main Gate	71	34	12.0	20.0	71
3	Near Sugar ETP Plant	57	25	08.0	12.0	57
Jan-2020						
1	Near Factory Main Gate	61	27	10.00	12.00	61
2	Near Urjankur Main Gate	56	23	08.00	10.00	56
3	Near Sugar ETP Plant	75	30	10.00	12.00	75
Feb-2020						
1	Near Factory Main Gate	62	26	09.00	12.00	62
2	Near Urjankur Main Gate	58	25	08.00	10.00	58
3	Near Sugar ETP Plant	56	24	10.00	12.00	56
Mean	Near Factory Main Gate	64	27.67	9.67	13.33	
	Near Urjankur Main Gate	61.67	27.33	9.33	13.33	
	Near Sugar ETP Plant	62.67	26.33	9.33	12.00	
Standard Deviation	Near Factory Main Gate	4.36	2.08	0.58	2.31	
	Near Urjankur Main Gate	8.14	5.86	2.31	5.77	
	Near Sugar ETP Plant	10.69	3.21	1.15	0.00	

Remarks:

AQI Value	AQI Category	AQI Color
0 - 50	Good	Green
51 - 100	Moderate	Yellow
101 - 150	Unhealthy for Sensitive Groups	Orange
151 - 200	Unhealthy	Red
201 - 300	Very Unhealthy	Purple
301 - 500	Hazardous	Maroon

Ambient Air Quality was assessed from Dec 2019 to Feb 2020 for the parameters PM₁₀, PM_{2.5}, SO₂ and NO_x. The results indicate that all the parameters are well within the prescribed limits.

AQI Calculations indicate that the air surrounding of Shree Datta SSSK Ltd. is of Moderate quality. The air quality does not have any adverse effect on the health of the people residing near the Premises of the Shree Datta SSSK Ltd.

Arithmetic Mean and Standard Deviation calculation indicates the Concentration of the Pollutants have not varied significantly during the period.

<u>TEST REPORT</u>						
Report Ref. No. : SEC/W-PP/12-19, 01-20 & 02-20				Nature of Sample: Water		
Name of Industry/Customer: Shri Datta SSSK Ltd.				Sample Collected By: SEC Lab		
Address: A/p. Dattanagar – 416120, Tal: Shirol, Dist. Kolhapur				Period of Sampling: Dec 2019 to Feb 2020		
Name of Sample : Sugar ETP Inlet						

Sr. No.	Test Parameter	Result			Mean	Standard Deviation
		Dec	Jan	Feb		
1	pH	4.27	4.78	3.95		
2	Chemical Oxygen Demand (mg/l)	492	2061	1406	1319.67	788.05
3	B.O.D. (3 days at 27°C) (mg/l)	184	902	630	572.00	362.50
4	Total Dissolved Solids (mg/l)	1150	2850	1710	1903.33	866.33
5	Total Suspended Solids (mg/l)	270	370	240	293.33	68.07
6	Chloride as Cl ⁻ (mg/l)	105	425	400	310.00	177.97
7	Sulphate as SO ₄ (mg/l)	190	260	242	230.67	36.35
8	Oil & Grease (mg/l)	10	10	10	10.00	0.00

Remarks:

Sugar ETP inlet samples were analyzed for its inlet parameter concentrations from Dec 2019 to Feb 2020. Arithmetic Mean and Standard Deviation calculation does not show significant variations in the Sugar ETP inlet parameter concentrations, indicates that the Industrial Processes are stable.

<u>TEST REPORT</u>							
Report Ref. No. : SEC/W-PP/12-19, 01-20 & 02-20				Nature of Sample: Water			
Name of Industry/Customer: Shri Datta SSSK Ltd.				Sample Collected By: SEC Lab			
Address: A/p. Dattanagar – 416120, Tal: Shirol, Dist. Kolhapur				Period of Sampling: Dec 2019 to Feb 2020			
Name of Sample : Sugar ETP Outlet							

Sr. No.	Test Parameter	Result			Mean	Standard Deviation	Standards
		Dec	Jan	Feb			
1	pH	7.03	7.11	7.79	--	--	5.5-8.5
2	Chemical Oxygen Demand (mg/l)	115	112	119	115.33	3.51	250
3	B.O.D. (3 days at 27°C) (mg/l)	37	35	38	36.67	1.53	100
4	Total Dissolved Solids (mg/l)	419	418	501	446.00	47.63	2100
5	Total Suspended Solids (mg/l)	32	35	46	37.67	7.37	100
6	Chloride as Cl ⁻ (mg/l)	60	85	64	69.67	13.43	600
7	Sulphate as SO ₄ (mg/l)	53	60	72	61.67	9.61	1000
8	Oil & Grease (mg/l)	ND	ND	ND	--	--	10

Remark:

The outlet concentrations are within prescribed limits of CPCB. Arithmetic Mean and Standard Deviation calculation does not show significant variations, indicating that Sugar ETP performance is satisfactory.

<u>TEST REPORT</u>	
Report Ref. No. : SEC/W-RH/12-19, 01-20 & 02-20	Nature of Sample: Water
Name of Industry/Customer: Shri Datta SSSK Ltd.	Sample Collected By: SEC Lab
Address: A/p. Dattanagar – 416120, Tal: Shirol, Dist. Kolhapur	Period of Sampling: Dec 2019 & Feb 2020
Name of Sample : Spray-pond Over Flow	

Sr. No.	Test Parameter	Result	
		Dec	Feb
		Spray-pond Over Flow	Sugar Spray-pond
1	pH	6.79	7.82
2	Chemical Oxygen Demand (mg/l)	149	262
3	B.O.D. (3 days at 27°C) (mg/l)	52	90
4	Total Dissolved Solids (mg/l)	1306	779
5	Total Suspended Solids (mg/l)	294	185
6	Chloride as Cl ⁻ (mg/l)	45	98
7	Sulphate as SO ₄ (mg/l)	34	75
8	Oil & Grease (mg/l)	ND	ND

<u>TEST REPORT</u>	
Report Ref. No. : SEC/W-PP/12-19, 01-20 & 02-20	Nature of Sample: Water
Name of Industry/Customer: Shri Datta SSSK Ltd.	Sample Collected By: SEC Lab
Address: A/p. Dattanagar – 416120, Tal: Shirol, Dist. Kolhapur	Period of Sampling: Dec 2019 to Feb 2020
Name of Sample : Condensate	

Sr. No.	Test Parameter	Result		
		Dec	Jan	Feb
		Condensate Outlet	Condensate Outlet	Sugar Condensate
1	pH	6.68	6.53	7.05
2	Chemical Oxygen Demand (mg/l)	119	104	143
3	B.O.D. (3 days at 27°C) (mg/l)	39	35	46
4	Total Dissolved Solids (mg/l)	133	131	154
5	Total Suspended Solids (mg/l)	22	20	18
6	Chloride as Cl ⁻ (mg/l)	15	12	12
7	Sulphate as SO ₄ (mg/l)	9	10	8
8	Oil & Grease (mg/l)	ND	ND	ND

<u>TEST REPORT</u>	
Report Ref. No. : SEC/W-PP/12-19, 01-20 & 02-20	Nature of Sample: Water
Name of Industry/Customer: Shri Datta SSSK Ltd.	Sample Collected By: SEC Lab
Address: A/p. Dattanagar – 416120, Tal: Shirol, Dist. Kolhapur	Period of Sampling: Dec 2019 to Feb 2020
Name of Sample : Spentlees	

Sr. No.	Test Parameter	Result			
		Dec		Jan	Feb
		Spentlees Plant No. 1	Spentlees Plant No. 2	Spentlees Plant No. 2	Common Spentlees
1	pH	5.35	5.46	3.17	2.80
2	Chemical Oxygen Demand (mg/l)	95	157	96	123
3	B.O.D. (3 days at 27°C) (mg/l)	32	62	28	27
4	Total Dissolved Solids (mg/l)	190	218	210	232
5	Total Suspended Solids (mg/l)	17	18	15	21
6	Chloride as Cl ⁻ (mg/l)	25	30	24	19
7	Sulphate as SO ₄ (mg/l)	31	33	31	28
8	Oil & Grease (mg/l)	ND	ND	ND	ND

<u>TEST REPORT</u>				
Report Ref. No. : SEC/NL-PP/12-19				Nature of Sample: Noise Level
Name of Industry/Customer: Shri Datta SSSK Ltd.				Sample Collected By: SEC Lab
Address: A/p. Dattanagar – 416120, Tal: Shirol, Dist. Kolhapur				Period of Sampling: Dec 2019
Name of Sample : Noise Level				

Sr. No.	Location of recording Sound level	Standard Limit dB (A) Leq	Time	dB (A) Leq
1.	Factory Main Gate	75	Day	57.8
		70	Night	50.3
2.	Weigh Bridge	75	Day	65.2
		70	Night	60.6
3.	Cane Cutter	75	Day	70.2
		70	Night	67.5
4.	Mill House	75	Day	72.5
		70	Night	67.1
5.	Boiler House	75	Day	72.9
		70	Night	67.6
6.	Turbine House	75	Day	73.1
		70	Night	68.7
7.	Sugar Bagging House	75	Day	69.4
		70	Night	63.6
8.	Compost Yard	75	Day	67.3
		70	Night	50.4
9.	Factory Guest House	75	Day	53.0
		70	Night	45.2
10.	Factory Colony	75	Day	52.1
		70	Night	44.6

Remarks:

The Noise pressure level results indicate that the day time and night time Noise Levels in the premise of Shri Datta SSK Ltd. are within prescribed limits. This is due to proper acoustic enclosures to the Noise generating machines and development of adequate Greenbelt

<u>TEST REPORT</u>	
Report Ref. No. : SEC/DG-PP/12-19	Nature of Sample: DG Set
Name of Industry/Customer: Shri Datta SSSK Ltd.	Sample Collected By: SEC Lab
Address: A/p. Dattanagar – 416120, Tal: Shirol, Dist. Kolhapur	Period of Sampling: Dec 2019
Name of Sample : DG Set Emission	

Diesel Set Capacity	Emissions (g/kw-hr)			Smoke (Light Absorption Coefficient, m⁻¹)
	NOx + HC	CO	PM	
Limits	≤ 4.0	≤ 3.5	≤ 0.2	≤ 0.7
500 KW	3.5	0.28	0.15	0.4

<u>TEST REPORT</u>	
Report Ref. No. : SEC/W-PP/12-19	Nature of Sample: Water
Name of Industry/Customer: Shri Datta SSSK Ltd.	Sample Collected By: SEC Lab
Address: A/p. Dattanagar – 416120, Tal: Shirol, Dist. Kolhapur	Period of Sampling: Dec 2019
Name of Sample : Raw Spentwash	

Sr. No.	Test Parameter	Unit	Result	Test Method
1	pH	-	3.69	IS:3025 (P-11) 1983
2	C.O.D	mg/l	1,51,433	IS:3025 (P-58) 2006
3	B.O.D	mg/l	62,850	IS:3025 (P-44) 1993
4	Total Solids	mg/l	2,01,640	APHA 22 nd Edition-2012, 2540 B
5	Total Volatile Solids	mg/l	1,15,120	APHA 22 nd Edition-2012, 2540-E,G
6	Total Inorganic Solids	mg/l	86,520	APHA 22 nd Edition-2012, 2540 C
7	Chlorides	mg/l	16,995	IS:3025 (P-32) 1988
8	Sulphates	mg/l	10,795	IS:3025 (P-24) 1986
9	Potassium	mg/l	15,460	IS:3025 (P-45) 1993

<u>TEST REPORT</u>	
Report Ref. No. : SEC/C-RH/02-20	Nature of Sample: Compost
Name of Industry/Customer: Shri Datta SSSK Ltd.	Sample Collected By: SEC Lab
Address: A/p. Dattanagar – 416120, Tal: Shirol, Dist. Kolhapur	Period of Sampling: Feb 2020
Name of Sample : Ready Compost	

Sr. No.	Test Parameter	Result	Unit	Standards
1	Moisture	31.69	%	< 35
2	pH (Saturated)	6.67	--	6.5 – 8.5
3	Total Volatile Solids	62.51	%	60 – 65
4	Residual Ash	37.49	%	40 – 45
5	Nitrogen as N	1.56	%	>2.0
6	Phosphorus as P2O5	1.84	%	>0.50
7	Potassium as K2O	2.92	%	>3.0
8	Organic Carbon	28.39	%	20 – 30
9	C/N	18.19	--	< 17
Leachate Water (Filtrate)				
10	pH	7.84	--	6.5 – 8.5
11	C.O.D.	206	mg/l	< 250
12	B.O.D.	23	mg/l	< 30
13	Chlorides	260	mg/l	< 600
14	E. Conductivity	1540	µmhos/cm	< 2100

Remarks:

The results show that the Compost is of good quality, as it has all the nutrient contents as per the standards.

<u>TEST REPORT</u>						
Report Ref. No. : SEC/W-QL/01-20				Nature of Sample: Water		
Name of Industry/Customer: Shri Datta SSSK Ltd.				Sample Collected By: SEC Lab		
Address: A/p. Dattanagar – 416120, Tal: Shirol, Dist. Kolhapur				Period of Sampling: Jan 2020		
Name of Sample : Well Water						

Sr. No.	Test Parameter	Result					IS:2296 Standard s
		W 1	W 2	W 3	W 4	W 5	
1	*Color [Hazen]	< 5	< 5	< 5	< 5	< 5	--
2	*Odor	Agreeable					--
3	pH	7.21	7.70	7.62	7.87	7.19	6.5 – 8.5
4	Turbidity [NTU]	0.1	0.1	0.3	0.1	0.1	--
5	Total Alkalinity (as CaCO ₃) [mg/l]	330	240	210	290	190	--
6	Chemical Oxygen Demand [mg/l]	31	16	26	34	14	--
7	B.O.D. (3day's at 27°C) [mg/l]	< 4	< 4	< 4	< 4	< 4	--
8	Total Dissolved Solids [mg/l]	1240	740	824	970	760	2100
9	Chlorides (as Cl) [mg/l]	189	149	186	235	130	600
10	Hardness (as CaCO ₃) [mg/l]	710	460	620	750	470	--
11	Calcium (as Ca) [mg/l]	206	108	212	212	114	--
12	Magnesium (as Mg) [mg/l]	48	46	22	54	45	--
13	Sodium (as Na) [mg/l]	151.7	105.1	110.9	129.4	94.4	--
14	Potassium (as K) [mg/l]	3.9	2.6	3.1	2.9	1.9	--
15	% Na (Max) [%]	31.52	33.09	27.88	27.15	30.3	60
16	Sodium Absorption Ratio	2.47	2.13	1.93	2.05	1.89	26
17	Residual Sodium Carbonate [meq/l]	-7.7	-4.43	-8.23	-9.3	-5.65	2.5
18	Electrical Conductivity [μmhos/cm]	1940	1216	1470	1530	1289	2250

Where,

W 1: Desai Farm

W 2: Shri Vinayak Patil

W 3: Shri Mohan Pujari

W 4: Shri Anilrao Yadav, Udgao

W 5: Shri Pandit Chudmunge, Chinchwad



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

सत्यमेव जयते

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annex,
Mumbai- 400 032.
Date: June 1, 2018

To,
SHREE DATTA SHETKARI SAHAKARI SAKHAR KARKHANA LIMITED, DATTANAGAR, SHIROL,
at AGAR BAGH- 343 TO 352, 354, 361 SHIROL-251, 252, 253, 254, 255, 256, 257, 258, 259, 130, 131, 135, 134, 136, 210, 213, 214, 230, 229,
232 TO 237, 242, 246+241, 247 TO 249, 27 AND 31

Subject: Environment Clearance for Expansion/ Modernization of Sugar Factory Capacity from 7500 TCD (313 TCH) to 9000 TCD (375 TCH)

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 at its 130th SEAC-I Meeting th meeting and 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 130th meeting.

2. It is noted that the proposal is considered by SEAC-I under screening category CATEGORY- B as per EIA Notification 2006.

Brief Information of the project submitted by you is as below :-

1. Name of Project	Expansion/ Modernization of Sugar Factory Capacity from 7500 TCD (313 TCH) to 9000 TCD (375 TCH).
2. Type of institution	Private
3. Name of Project Proponent	SHREE DATTA SHETKARI SAHAKARI SAKHAR KARKHANA LIMITED, DATTANAGAR, SHIROL.
4. Name of Consultant	Dr B. Subba Rao
5. Type of project	Others
6. New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project/Modernization
7. If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Letter No. ENV (NOC)/2000/130/CR-21/D-I
8. Location of the project	AGAR BAGH- 343 TO 352, 354, 361 SHIROL-251, 252, 253, 254, 255, 256, 257, 258, 259, 130, 131, 135, 134, 136, 210, 213, 214, 230, 229, 232 TO 237, 242, 246+241, 247 TO 249, 27 AND 31
9. Taluka	SHIROL
10. Village	DATTANAGAR
11. Area of the project	OTHER AREA
12. IOD/IOA/Concession/Plan Approval Number	NOT APPLICABLE IOD/IOA/Concession/Plan Approval Number: NOT APPLICABLE Approved Built-up Area: 85.46 H
13. Note on the initiated work (If applicable)	NA
14. LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15. Total Plot Area (sq. m.)	85.46 H
16. Deductions	0
17. Net Plot area	85.46 H
18 (a). Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): 539.43 Non FSI area (sq. m.): 9460.56 Total BUA area (sq. m.): 9999.99
18 (b). Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval:

SHRI DATTA SHETKARI SAHAKARI
SAKHAR KARKHANA LTD, SHIROL
INWARD NO. 33
E-11 JUN 2018

19.Total ground coverage (m2)	46100
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	5.39
21.Estimated cost of the project	0



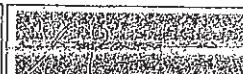
Government of Maharashtra

22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	SUGAR	28125	5625	33750
2	BAGASSE	64125	12825	76950
3	FILTER CAKE	8400	1687.5	1087.5
4	MOLASSESS	8400	1687.5	1087.5
5	ELECTRICITY	5292000 KW/ MONTH	NIL	5292000 KW/ MONTH

23. Total Water Requirement

Dry season:	Source of water	PANCHAGANGA RIVER
	Fresh water (CMD):	900
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD)	900 CUM PER DAY
	Fire fighting - Underground water tank (CMD):	Not applicable
	Fire fighting - Overhead water tank (CMD):	Not applicable
	Excess treated water	1500 CUM PER DAY
	Source of water	Not applicable
Wet season:	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD)	Not applicable
	Fire fighting - Underground water tank (CMD):	Not applicable
	Fire fighting - Overhead water tank (CMD):	Not applicable
	Excess treated water	Not applicable
	Details of Swimming pool (If any)	Not applicable



24. Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	100	0	100	20	0	20	80	0	80
Industrial Process	2200	0	2200	1500	0	1500	700	0	700
25. Rain Water Harvesting (RWH)	Level of the Ground water table:	5m							
	Size and no of RWH tank(s) and Quantity:	1 TANK 14 X 8 X 2.5 m- 5100 CUM							
	Location of the RWH tank(s):	NEAR GARDEN AREA							
	Quantity of recharge pits:	15							
	Size of recharge pits :	NA							
	Budgetary allocation (Capital cost):	Rs. 5 Lakhs							
	Budgetary allocation (Op & M cost):	Rs. 50000							
26. Storm water drainage	Details of UGT tanks if any:	N/A							
	Natural water drainage pattern:	SURFACE FRENCH							
	Quantity of storm water:	4100 CUM							
27. Sewage and Waste water	Size of SWD:	1.5 X 0.5m							
	Sewage generation in KLD:	100							
	STP technology:	Septic Tank Followed by ETP							
	Capacity of STP (CMD):	1 - 700 CUM							
	Location & capacity of the STP:	Along with residence Building							
	Budgetary allocation (Capital cost):	Rs. 1 Crores including process ETP							
	Budgetary allocation (Op & M cost):	Rs. 5 Lakhs							



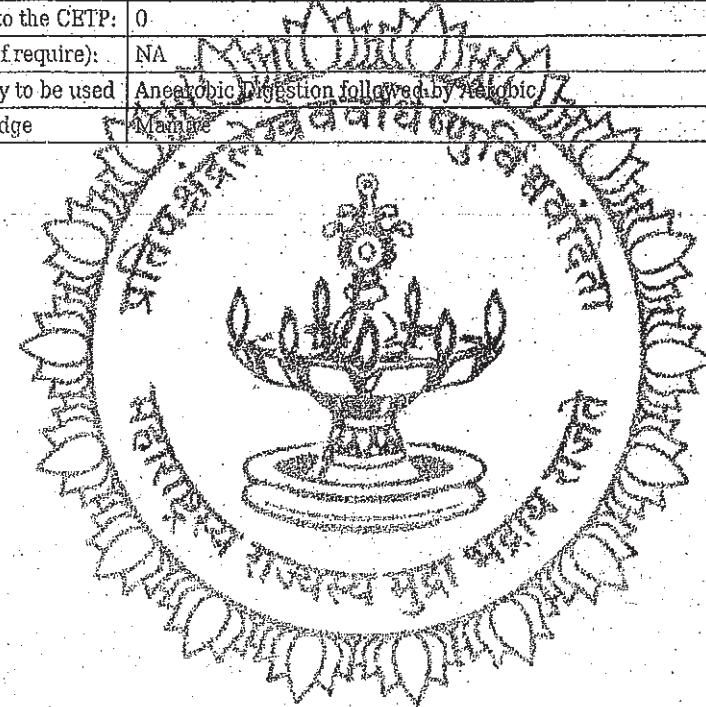
28. Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	1 MT/ Month
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	Spent Oil- 0.1 MT/ Month
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	11.34 MT/ Month
Mode of Disposal of waste:	Others if any:	NA
	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	Mixed with bagasse and burnt in Boiler
	Biomedical waste (If applicable):	NA
Area requirement:	STP Sludge (Dry sludge):	Used for Composting
	Others if any:	NA
	Location(s):	Dattanagar School
	Area for the storage of waste & other material:	150 SQM
	Area for machinery:	100 SQM
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	1 Crores
	O & M cost:	5 lakhs

**Government of
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29. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	NA	4.5	7.5	5.5-9
2	BOD	mg/l	1500	40	<100
3	COD	mg/l	2500	110	<250
4	TSS	mg/l	400	55	<100
Amount of effluent generation (CMD):	700				
Capacity of the ETP:	700				
Amount of treated effluent recycled:	NIL				
Amount of water send to the CETP:	0				
Membership of CETP (if require):	NA				
Note on ETP technology to be used	Aerobic Digestion followed by Aerobic				
Disposal of the ETP sludge	Landfill				



**Government of
Maharashtra**

30 Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Oil	5.1	MT/Month	0.1	0	0.1	Mixed with Bagasse and burnt in Bioler.

31. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	During Season	BAGASSE- 72 TPH	1	95	4	130
2	During Off Season	BAGASSE- 36.75 tph	1	95	4	130

32. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total	
1	BAGASSE	72 TPH	0 TPH	72 TPH	
Source of Fuel		BAGASSE FROM SUGARCANE CRUSHING IN FACTORY AND COAL FROM OPEN MARKET			
Mode of Transportation of fuel to site		BAGASSE BY CONVEYOR BELT - SUGAR FACTORY TO CO-GEN BOILER AND COAL BY TRUCKS TO COAL YARD SILOS			

33. Energy

Power requirement:	Source of power supply	OWN GENERATION
	During Construction Phase (Demand Load)	NIL
	DG set as Power back-up during construction phase	500 KVA- 1 NOS
	During Operation phase (Connected load):	10 MW
	During Operation phase (Demand load):	10 MW
	Transformer:	VOLPAM- 2000 KVA
	DG set as Power back-up during operation phase:	500 KVA- 1 NOS.
	Fuel used:	DIESEL

34. Energy saving by non-conventional method:

NIL

36. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

37. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
PROCESS EFFLUENT	ANAEROBIC FOLLOWED BY AEROBIC	NIL
CONDENSATE TREATMENT	COOLING TOWER FOLLOWED BY AERATION	NIL



Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 1 Crores
	O & M cost:	Rs. 5 Lakhs

38. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	FUGITIVE EMISSIONS	PARTICULATE MATTER	5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	POLLUTANT	SOLID AND LIQUID EFFLUENT AND GASEOUS EMISSIONS	200	30

39. Storage of chemicals (in flammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption Volume in MT	Source of Supply	Means of transportation
NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

40. Any Other Information

No Information Available

Government of
Maharashtra

	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ Inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	CATEGORY- B
	Court cases pending if any	NIL
	Other Relevant Informations	NIL
	Have you previously submitted Application online on MoEF Website	
	Date of online submission	23-01-2017

3. The proposal has been considered by SEIAA in its 130th 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:

Specific Conditions:

I	PP to submit copy of agreement made with the irrigation department for taking water from the river. PP to comply with all terms and conditions mentioned in the agreement.
II	PP informed that they have obtained environmental clearance (MoEF/EC/2006/11011/33/2007/IA-IU1) dated 11.12.2007; MoEF's regional office Nagpur visited the site and identified few non compliances in their report including excess crushing. PP to submit copy of reply submitted to MoEF&CC regional office in this regard.
III	PP to submit copy of point wise reply to the issues rose in Public Hearing
IV	PP to submit letter mentioning exact project cost.

General Conditions:

I	(i) PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.
II	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
III	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
IV	Proper Housekeeping programmes shall be implemented.
V	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.
VI	A stack of trade waste effluent based on the CPCB capacity shall be provided for control and dispersion of pollutant.
VII	Water harvesting scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
VIII	Arrangement shall be made that effluent and storm water does not get mixed.
IX	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.
X	Noise levels shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like ear plugs etc. shall be provided.
XI	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.
XII	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.
XIII	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.
XIV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
XV	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.

XVI	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.
XVII	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.
XVIII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XIX	Separate funds shall be allocated for implementation of environmental 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 purposes and year-wise expenditure should be reported to the MPCB & this department.
XX	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 .
XXI	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 1st June & 1st December of each calendar year.
XXII	A copy of the clearance letter shall be sent by the proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations may have been received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
XXIII	The proponent shall update 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 Local Office of CPCB and the SPB. The criteria pollutant levels namely, SPM/PM ₁₀ /PM _{2.5} , SO ₂ , NO _x (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.
XXIV	The project proponent shall also submit the monthly reports on the status of compliance of the stipulated EC conditions, including results of monitored data (either in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Local Office of CPCB and the SPB.
XXV	The environmental statement for each financial year ending 31st 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.

Government of Maharashtra

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. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or 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.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. 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.

9. 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.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D. Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Shri Satish.M.Gavai (Member Secretary SEIAA)

Copy to:

1. SHRI JOHNY JOSEPH, CHAIRMAN, SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL D. KALE, CHAIRMAN-SEAC-II
5. SECRETARY MOEF & CC
6. IA-DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD, MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. MUNICIPAL COMMISSIONER KOLHAPUR
10. REGIONAL OFFICE MPCB KOLHAPUR
11. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
12. COLLECTOR OFFICE KOLHAPUR
13. COLLECTOR OFFICE SANGLI

Government of Maharashtra

SHREE DATTA SHETKARI SAHAKARI
SAKHAR KARKHANA LTD SHIROL

INVOICE NO

10587

18 DEC 2001

SENT TO:

P.O.

No. J-11011/33/2001-IA II (I)

Government of India

Ministry of Environment & Forests

I.A.Division

Telfax: 436 3964

Email: warrier@menf.delhi.nic.in

Paryavaran Bhawan,
CGO Complex, Lodi Road,
New Delhi - 110 003

December 11, 2001

To,

The Managing Director

Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd.,
Post Dattanagar 416 120,
Taluka Shirol,
Distt. Kolhapur,
Maharashtra.

**Subject: Capacity Expansion of the distillery unit from 30 klpd to 60 klpd of
M/s Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd. at Kolapur
Distt. Maharashtra - Environmental Clearance reg.**

Sir,

This has reference to your communication No. 3615/Dist/Expan/2001 dated 4th July, 2001 and subsequent clarifications furnished vide letter dated 27th September, 2001 on the above mentioned project. Ministry of Environment and Forests has carefully examined your proposal for enhancing the production capacity from 30 KLPD to 60 KLPD of rectified spirit in the existing distillery unit at Shirol, Kolhapur, Maharashtra. The company has in their possession 85.75 ha of land for the above project. No forestland or rehabilitation/resettlement is involved due to land acquisition. The total water requirement for the project (existing and expansion) is about 1183 m³ / day and will be met through Panchganga River for which, approval from State irrigation Dept. has been obtained. The total cost of the project is about Rs. 8.70 crores. It is also observed that NOC from Maharashtra State Pollution Control Board has been obtained and the Public Hearing Panel has recommended the proposal.

2. The Ministry of Environment and Forests hereby accords environmental clearance under EIA Notification dated 27th January, 1994 subject to strict compliance of the following conditions:

A. SPECIFIC CONDITION

- i. The industry should 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's adopted by the unit, the respective unit should be shut down and should not be restarted until the control measures are rectified to achieve the desired efficiency.
- ii. The company should adopt State of the Art continuous fermentation technology (multi-pressure vacuum distillation process) for the expansion and ensure that the

spent wash generated will not exceed 8 m³/KI of rectified spirit production. The company should also carry out necessary process modification within a period of 3 years in the existing unit to ensure that the quantity of spent wash generated not exceed 8 m³/KI of product.

- iii. As per the commitment given, the company should set up a co-generation power plant and provide ESPs for the boilers to limit the dust emission to 150 mg/Nm³ as stipulated by MPCB within a period of 1 year.
- iv. The company should provide two-stage composting in order to recycle the filler material to the maximum extent possible.
- v. As reflected in the EMP, the spent wash generated should be used for direct composting with press mud / bagasse / agro residue. The spent wash should be stored in impervious lined pits. The compost pits should also be lined with concrete. The spent lees generated should be adequately treated to ensure that the BOD level of treated effluent is less than 100 mg/l before it is use for land irrigation.
- vi. Occupational health surveillance program in the factory must be strengthened to include Lung Function Test, Sputum analysis and chest X-ray for monitoring the health of workers especially those in the bagasse handling sections.

B. GENERAL CONDITIONS

- i. The project authorities must strictly adhere to the stipulations made by the Maharashtra State Pollution Control Board and the State Government.
- ii. No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forests.
- iii. The AAQ should be regularly monitored in respect of SPM, SO₂ and NO_x. The locations of the monitoring stations should be fixed up depending on the wind rose pattern during that period.
- iv. Adequate number of influent and effluent quality monitoring stations should be set up in consultation with the State Pollution Control Board. Regular monitoring should be carried out for relevant parameters.
- v. The overall noise levels in and around the plant area should be kept well within the standards (85 dBA) 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. Green Belt of adequate width and density should be provided to mitigate the effects of fugitive emission all around the plant. A minimum of 25% of the total land acquired should be developed as green belt in consultation with the local DFO.
- vii. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA report.

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. The project authorities will provide adequate funds both recurring and non recurring 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 should not be diverted for any other purpose.

ix. 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 should be submitted to the monitoring agencies.

x. The Project Proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance 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 and Forests at <http://envfor.nic.in>. The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Ministry's Regional Office at Bangalore.

xi. The Project Authorities should 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.

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

4. The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.

5. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.

Dr. Warrier

(Dr. R. Warrier)
Additional Director

Copy to:

1. Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
2. Chairman, Maharashtra Pollution Control Board, Sh. Chatrapati Shivaji Maharaj, Municipal Market Building, 4th Floor, Mata Ramabai Ambedkar Road, Mumbai- 400001
3. Chief Conservator of Forests, Regional Office (WZ), E-3/240, Area Colony, Bhopal - 462 016

4. Secretary, Department of Energy and Environment, Government of Maharashtra, Manralaya, Mumbai- 400032
5. Adviser (EI Division), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Director (Monitoring Cell), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard File.
8. Monitoring File.
9. Record File.



(Dr. R. Warrier)
Additional Director

Annexure - II



महाराष्ट्र MAHARASHTRA

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PW 350954

दस्तावा प्रकार क्रमांक ५२१८ मोबदलरु :-
 श्री.प्रकाश सिंधु कोली रा.आकिवाट. IGR Code No.2612001 परताना क्रमांक
 मु.वि.अ.१०८/८८ ता.३०/४/८८ तसेच मुद्राक विक्रीचे ठिकाण/पता तहसिलदार कार्यालय आवार, विरोल
 मुद्राक विक्री नोंदवही अनुक्रमांक/ १०८३ दिनांक १०/१०/२०१८

2019-2020

शेरोल
SJR. - TREASURER OFFICER
SJR. OFFICE

मुद्रांक उक्त दोषान्वयाचे नाव: कार्यविधी द्वारा अनुभव भवित्वा श्री. सु. कु. वारकरी नामांकित वर्तमान

दुसऱ्या पक्षकाराचे नाव:-

मंद्रांक विक्रेत्यादी शाही

मङ्गङ्क विक्रत घेणाच्याची सही

[APPLICABLE TO PRIVATE BODIES ONLY]

AGREEMENT

[For non-irrigation water supply]

An Agreement made on the26. day of Oct. Two Thousand Fourteen between Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd., Shirol the users such as Private Company / Industries / Entrepreneur / Organization [which expression hereinafter referred to as The Karkhana] shall unless excluded by or it be repugnant to the context or meaning thereof be deemed to include its successors and assigns] registered under the Multi

State Co-Operative Societies Act, 2002 and having its registered office at Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd., Shirol, Post Dattanagar 416 120, Taluka Shirol, District Kolhapur (MS) hereinafter referred to as The Karkhana of the **ONE PART** and the Governor of Maharashtra hereinafter referred to as "The Government" [which expression shall unless excluded by or it be repugnant to the context or meaning thereof be deemed to include his successors and assigns] of the **OTHER PART**.

Whereas the Karkhana is desirous of constructing a pumping station on the Karkhana's land at Shirol for drawing water from the source Panchganga River [hereinafter referred to as The Said Source] for the use by the Karkhana's Sugar & Distillery Plant [hereinafter referred to as The Said Plant] and laying underground and surface pipes and drains for discharge of the factory effluent.

AND Whereas the company has applied to the Government for permission to draw ~~0.383~~ ~~0.383~~ million liters of water per day / year from the said source.

AND Whereas the Government has agreed to grant the aforesaid permission to the Karkhana on the terms and conditions hereinafter appearing.

AND WHEREAS UNDER the said terms and conditions the Karkhana has ^(P) ~~to~~ ~~commitment charged~~ deposit with the Executive Engineer, Kolhapur Irrigation Division to the Government a sum of Rs. 25600/- as Security equivalent to 2 months Karkhana's probable annual water charges based on yearly sanctioned and as communicated in cash or in the form of fixed deposit receipt or a Bank Guarantee issued by a scheduled / nationalized bank having its' main / branch office situated locally for the due observance and performance by the Karkhana of the terms and conditions of this Agreement AND WHEREAS the Karkhana has accordingly prior to the execution of these presents deposited with the Government Rs. _____ as security for the due observance and performance by the Karkhana of the terms and conditions herein contained; AND WHEREAS it has been agreed that the said amount will not carry any interest if deposited in cash.

DEFINITIONS:

QUOTA:

Quota means yearly demand sanctioned and communicated to the Karkhana by the Executive Engineer.

CORPORATION:

Corporation means the River Basin corporations like Maharashtra Krishna Valley Development Corporation (MKVDC), Godawari Marathwada Irrigation Development Corporation (GMIDC), Tapi Irrigation Development Corporation (TIDC), Konkan Irrigation Development Corporation (KIDC) & Vidarbha Irrigation Development Corporation (VIDC), Municipal Corporations, municipalities etc.

MIDC:

MIDC means Maharashtra Industrial Development Corporation.

MJP:

MJP means Maharashtra Jiveen Pradhikaran.

02 The permission hereby granted shall be subject to the provisions of the Maharashtra Irrigation Act 1976 and the Bombay Canal Rules 1934 and subsequent revisions, if any, in force and any executive orders issued in this behalf by Government and any statutory amendment thereof from time to time and for the time being in force.

08

03 Nothing herein contained shall be deemed to imply any guarantee on the part of the Government as to the availability or otherwise of any specific quantity of water and Government shall not be responsible for the non-supply or in adequate supply of water on any account whatsoever.

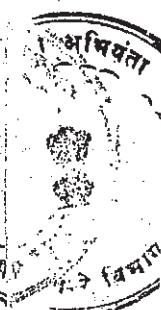
However in case of inadequate or non-supply due to shortage of water or reason beyond the control of the Department, bill shall be charged as per actual quantity of water lifter / supplied during such period.

04 The Karkhana shall use the water drawn from the said river for purposes of the Karkhana's said Plant and for supply to the residential colonies constructed by the Karkhana within the area of the said Plant for providing housing to its employees and workers [hereinafter referred to as The said Residential Colonies]. The Karkhana shall not sell the water from the said river to any other person, firm or company, corporation or other body. IN the event of the Karkhana selling water drawn from the said river, then the Government without prejudice to its right will forthwith revoke the licence. Government shall be entitled to recover from the Karkhana the proceeds of any such sale made by the Karkhana.

05 Government shall be entitled to utilize water of the said river available after meeting the reasonable requirements of the Karkhana; as to which matter the decision of the Government shall be final and binding on the Karkhana, for such purpose as Government deems fit.

06 The permission hereby granted shall not in any manner prejudicially affect the existing water rights vested in the upstream riparian owners; nor shall in any way, prejudice Government's right to here after launch or implement in public interest any new scheme or schemes on its own, on or in connection with the present source of channel of water supply available to the Karkhana, subject however to the safe guarding of its reasonable demand referred to in clause (5) above.

07 The Karkhana shall not construct the pick-up weir in the Panchganga river bed of the said river unless the proposals, plans, drawings, specifications, estimates and all other details hereof are previously submitted to, and approved in writing by an Officer authorized in the behalf by the Government and while granting its approval to the construction of the pick-up weir Government may impose such conditions as it may in its discretion think fit.



YEARLY APPLICABLE DEMAND:

Yearly Applicable Demand means the water demand communicated by the USER for the period from 1st November to 31st October to the Executive Engineer and sanctioned by Irrigation Department every year in the month of September alongwith its bifurcation for industrial, domestic and agricultural use.

USER:

User means water using agency like individual Companies users / Industry / Entrepreneur.

NOW THIS AGREEMENT WITHNESSTH AS FOLLOWS:

01. [a] In consideration of the Karkhana making payment to the Government as hereinafter specified and observing and performing the convenience and conditions herein contained Government do hereby grants to the company permission to draw following quota of water for the specified purpose.

Sr. No.	Description / Use	Quantity (Million Liters [Mcum] Per year)	2016-2017 Demand Water
01	Total sanctioned quota	0.476	0.383
1.1	For Industry using potable water bottling plant	---	---
1.2	For other than water as raw material industrial use	0.277	0.212
1.3	For domestic use	0.199	0.170
1.4	For agricultural use (nursery / gardening) within the Karkhana's premises	---	---

and use the same for the purpose of the Company's said plant or project, for supply to residential colonies and for agricultural use (nursery / gardening) for a term of ~~one~~ ²⁰¹⁶⁻¹⁷ Years, commencing from the ^{1st} Day ~~NOV~~ ^{NOV} 2016 on the following terms and conditions:

[b] The quota assigned for domestic use and for agricultural use shall not exceed 10% each of the individual water demand. In the cases where in the water used for Domestic and Agricultural use exceeds 10% in each case the excess use shall be charged at industrial applicable rate specified in clause 11 of this Agreement.

[c] The industrial water requirement, the Domestic water requirement and agricultural (nursery / gardening) water requirement of the Karkhana as demanded deemed to be separate and independent for the sole purpose and water charges assessment shall be accordingly separate and independent for other clauses of this Agreement.



[ii] If the said electronic measuring devices remain out of order for a period exceeding 30 days then the quantity of water deemed to be drawn by the USER during the said period shall be taken to be 110% of the yearly sanctioned demand as communicated in clause 11 or average for the last six months whichever is higher. This will be made applicable for the period during which the measuring devices remained out of order.

The aforesaid provisions will also apply when the quantity of water drawn by the Karkhana cannot be measured on account of removal of the said electronic measuring devices for repairs or the same in the opinion of the Executive Engineer not working properly.

[iii] If electronic meter meant for domestic or for agricultural use is not fitted or remains out of order or is removed, the water charges will be levied as per the rates specified for the industrial use for the total quota as referred to in clause 1 [a] of this Agreement.

09

Billing should be done on bimonthly basis. The Bill for the water drawn by the Karkhana during the previous calendar month shall be send in duplicate / triplicate by the Executive Engineer to the office of the Karkhana within 15 days after the end of the water consumption month. The Karkhana shall thereafter duly pay the same by a demand draft drawn in the name of the Executive Engineer, Kolhapur, Irrigation Division for and on behalf of the Government within a fortnight from the date of receipt of the bill and shall not allow the same to fall in arrears. If the Karkhana fails to pay the amount within this stipulated time [15 days from the date of receipt of the bill i.e. before the end of the current month] extra charges not exceeding 10% per annum of the amount due will be charged. If the delay in payment of water charges exceeds six months, the irrigation department reserves the right to terminate the water supply with a notice of 15 days in advance.

10

The cost of all works in connection with the arrangements for water supply including the cost of measuring devices and its installation and maintenance, shall be borne by the Karkhana.

11

Subject to the provisions of clause 980 hereof, the Karkhana shall pay to the Government at the time and in the manner specified in clause [12] hereof water charges for the quantity of water drawn by the Karkhana from the said river as measured by the said electronic measuring devices at the following rates, namely:-



08.

[a] For ascertaining the quantity of water drawn by the Karkhana, the Karkhana shall forthwith at its own cost and after obtaining prior approval in writing thereto of the Executive Engineer, install independent pipelines fitted with separate electronic water measuring devices for use of water for the said independent intention [hereinafter referred to as The said electronic measuring devices] at such places as is indicated by the Executive Engineer. All the pipeline layout showing locations of the measuring equipments from the said source for different purposes shall be got jointly verified and got approved from Executive Engineer, Irrigation Department. Layout from the said source shall be got approved from the Executive Engineer. No changes in the approved layout shall be made without the prior written approval from the Executive Engineer. In the event of the Karkhana failing to install and keep in proper working order the said electronic measuring devices for use of water for the said Plant and supply to the said residential colonies as aforesaid the Karkhana shall be liable to pay for the full sanctioned water quota as mentioned in clause 8[d] and II. During such period 125% of the proportionate sanctioned quantity will be charged at the prevailing rates for the said plant. The said electronic measuring devices shall always be kept under the lock and seal of the Executive Engineer and the key of such lock shall at all times remain with the Executive Engineer. The Karkhana shall at all times, during the substance of this agreement at its own cost maintain the said electronic measuring devices in proper working order and condition.

[b] Readings for the water so drawn by the Karkhana will be taken on the said electronic measuring devices, on the First day of each month / at agreed times, jointly by the authorized representative of the Executive Engineer and of the Karkhana.

[c] If at any time in the opinion of the Executive Engineer the said electronic measuring devices are found defective, the same shall be tested for its accuracy and the cost of such testing shall be borne and paid by the Karkhana. If on such testing the said electronic measuring devices are found to be defective the Karkhana shall forthwith get the same repaired and set right at its own cost and in the event of Karkhana failing to do so it in 30 (Thirty) days thereafter the Executive Engineer may proceed to do so on account and at the cost of the Karkhana.

[d] IN the event of the said electronic measuring devices going out of order and becoming defective the quantity of water drawn by the Karkhana during the period when the meter was defective and not working shall be ascertained in the following manner.

[i] If the said electronic measuring devices remain out of order for a period of less than 30 days then the quantity of water deemed to be drawn by the USER during the said period shall be taken to be 90% of the yearly sanctioned demand as communicated in clause No. 11 or average for the last six months whichever is higher.

The water lifted in excess, upto 10% of sanctioned demand shall be charged at single rate and excess above 10% [without prior permission] will be charged at penal rate of 1.25 times of the normal rate as mentioned in the relevant clause. However the local cess shall be charged on single rate only.

12 [a] The Karkhana shall pay to the Executive Engineer, water rates and local fund cess either in advance every alternate month on the basis of anticipated quantum of water to be drawn by it from the said source during the next two months or on monthly basis within fifteen [15] days from the date of receipt of the bimonthly demands by the USER from the Executive Engineer. On default of the USER to pay the water rate or local fund cess as aforesaid vide clause 9 and 11, Government shall without prejudice to its any other rights and remedies be entitled to terminate this Agreement forthwith as per clause No. 9.

[b] In the case of disputes regarding quantity of water billed or rate at which the bill is prepared the Karkhana shall first pay the complete amount of the bill and then claim for refund of any excess bill charged giving the reasons / justification of wrong billing. However the decision of Superintending Engineer Sangli in this regard shall be final and binding on the Karkhana.

13 Government hereby reserves to itself the right to revise from time to time the water rates and local fund cess and Karkhana shall pay the revised water rates and local fund cess as may be fixed by Government from time to time.

14 The USER shall not discharge the effluent in any nalla or river and shall not pollute directly or indirectly any portion of the said nalla / river even by septic tank effluents. If any water sources are polluted by any industry as identified by Irrigation / Pollution Control Board / MIDC / MJP the Karkhana shall be charged with a penalty of Rupees 5,000/- per such incident per day till it is rectified. The opinion of Maharashtra Pollution Control Board in respect of degree of pollution will be binding on the Karkhana.

The Karkhana shall recycle the effluent water for their use such as gardening, recreation, cooling, cleaning, washing and manufacturing process etc. so that atleast 50% reduction in consumption of fresh water is achieved.

15 The effluent disposal arrangement made by the Karkhana shall be got approved by the Karkhana from the Maharashtra Pollution Control Board / Environmental Department of the Government prior to commencing the operation of pumping / drawing water from the source.



Here rates which are going to be applied to the Karkhana with mention of purpose of use of water, sanctioned quota and present rate [subject to its revision] may be specified. The water lifted by the USER during rainy season from the river where Irrigation Department has not released the water, concessional rate as decided by Irrigation Department shall be charged.

- I. Provided however that after the expiry of two years from the date of the Karkhana starts drawing water from the said river it in any month the quantity of water drawn by the Karkhana is less than 90 per cent of the quantity of water specified in clause [1] hereof then the Karkhana shall pay to the Government water charges calculated for 90 per cent of the quantity of water specified in clause [1] hereof or for average of the quantity of water drawn by the Karkhana during the period of previous three months including the month in question whichever is greater.
- II. For any unforeseen reasons, if the Karkhana would like to reduce / increase the demand of water made earlier / entered in the Agreement, they will be required to make the revised annual demand before the commencement of the year i.e. 1st Day of November. On acceptance of such revised demand the Karkhana will be charged as per changed demand for period specified, other conditions remaining same. A supplementary Agreement on hundred rupees stamp paper for this changed quantity, which will form part of main Agreement.
- III. No penal rate will be levied for the quantity limited to 10% in excess of the sanctioned one. For quantity used in excess of this 10% without prior sanction a penal rate of 25% will be charged over the basic rate. The delay in payment on account of this also, will be governed by clause 9 above.
- IV. For any unforeseen reasons [such as - sudden closure of the units or sudden rise in production etc.] there could be abrupt fluctuations in the demand on both sides. Such cases will be decided at Govt. level only by giving due considerations to the availability of water in the particular sub-basin and so on.
- V. In addition to the payment of water charges referred to above the Karkhana shall also pay to the Government local fund cess at the rate of 20 paise per every rupee of basic water charges.
- VI. Water Bills. - The bimonthly bills for the period from November to August (for 10 months) shall be prepared on the basis of actual quantity of water lifted at the prevailing rate. The bill for the months of September and October (11th and 12th month) shall be prepared by taking review of annual sanctioned demand and the terms and conditions of the Agreement and then shall be adjusted and paid accordingly. While adjusting so it shall be considered that the 90% of the annual sanctioned demand has been lifted / used.



23. The Agreement supercedes all the previous Agreements entered into by the USER with the Government in connection with the supply of water from Panchganga river at village shiroi.

24. The Karkhana should submit their water indent for every rotation to the Executive Engineer, Kolhapur Irrigation Division, Kolhapur on or before starting of the rotation where the source is located on canal. The Karkhana should also furnish the exact quantity of water actually drawn in each rotation after completion of the rotation.

25. The Karkhana will have to make an arrangement at its own cost for adequate storage (Balancing Tank) or not less than two months requirement of water in case of perennial canal, five months requirement in case of 8 monthly canal system, four months requirement in case of water source from seasonal river / nalla and one month water requirement in case of perennial water source of river / nalla so as to take care of the closure period. But if unexpectedly the closure period is increased by more than the specified period stipulated herein the Karkhana will have to make an alternative arrangement for its water requirement at its own cost.

26. **IF THE COMPANY COMMITS A BREACH OF ANY OF THE TERMS AND CONDITIONS THEREOF GOVERNMENT SHALL BE ENTITLED TO CANCEL THIS PERMISSION AND DISCONTINUE THE SUPPLY OF WATER WITHOUT PAYMENT OF ANY COMPENSATION WHATSOEVER TO THE KARKHANA.**

27. The Government hereby reserves to itself its right to change / amend / modify / cancel / revise any of the terms and conditions, rules and regulations of water management and Maharashtra Irrigation Act and rules laid under them which shall be applicable for this Agreement.

28. The user shall not discharge the effluent of quality below the standard specified by the Maharashtra State Pollution Control Board such certificate of quality standard for Maharashtra State Pollution Control Board is required to be produced by user and submit to water resources department every ~~6~~ months. In absence of such certificate consumption of water quality will be charged at penalty rate vide G.R.N. Marathi पापव २०१३ (प.क. ५६६/२०१३/सि.व्य. महसूल) मंत्रालय मुंबई दि. १२ जूनेकर २०१३; २९ एप्रिल २०१६ (प.क. ५६६/२०१३/सि.व्य. महसूल) मंत्रालय मुंबई दि. २९/०४/२०१६

पापव २०१५/ (प.क. ५६६/२०१५) द्वारा द्या (अहसूल) मंत्रालय मुंबई दि. २९/०४/२०१६

IN WITNESS WHEREOF THE Common Seal of the Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd., Shiroi

AND

The Executive Engineer, Kolhapur Irrigation Division, Kolhapur has for and on behalf of the Governor of Maharashtra hereto set his hand and affixed the seal of his Office the day and year first herein above written. THE COMMON SEAL OF Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd., Shiroi was pursuant to a resolution of the Board of Directors of the Karkhana dated the hereto affixed in the presence of -



16. The Karkhana shall at all the times allow an Officer of Irrigation Department of the Government authorized in that behalf to inspect the said works as well as the accounts and copies taken of entries from the records maintained by the Karkhana.

17. Any notice or other document to be given to or served upon the Karkhana may be given or served on behalf of the Government by the Executive Engineer, K.I.D. and any such notice or document shall be deemed to have been duly given to or served upon the Karkhana or sent by Registered Post to the registered Karkhana if it is delivered at the registered office of the Karkhana or sent by registered post to the registered address for the time being of the Karkhana.

18. The said sum of Rs. _____ deposited in the form of FDR / Bank Guarantee / Cash by the Karkhana with the Executive Engineer, Kolhapur Irrigation Division to the Government as aforesaid shall be held by the Government as security for the due observance and performance by the Karkhana of the covenants, terms and conditions herein contained. In case of default on the part of the Karkhana to perform and observe any of the said covenants terms and conditions it shall be lawful for the Government in its absolute discretion to forfeit the whole of the security deposit or any part thereof without prejudice nevertheless to any rights and remedies which the Government may have against the Karkhana under these presents for such breach and the Karkhana shall forthwith pay up the amount so forfeited and shall always maintain the original amount of deposit throughout the period of this Agreement. On the expiry of the terms of this Agreement, the said security deposit of Rs. _____ or such part thereof as shall not have been appropriated as aforesaid shall be refunded to the Karkhana.

19. All amounts due to the Government by the Karkhana under this Agreement shall be deemed to be arrears of land revenue and may without prejudice to any other rights and remedies of the Government be recovered from the Karkhana as arrears of land revenue.

20. On the expiry of the terms of this Agreement, Government may renew this Agreement within 90 days for such further period and on such terms and conditions, as Government may at its absolute discretion deem fit.

21. The cost incurred in the execution of the incidental charges for this Agreement including stamp duty shall be borne and paid by Karkhana.

22. Permission for extra water over and above the sanctioned quota till be granted only when the written permission for expansion etc. is produced by the Karkhana from the Industrial Department.

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01 Shri Ganpatrao Appasaheb Patil
Chairman

02 Shri M.V.Patil
Managing Director

[Two directors of the Karkhana who in token thereof have hereto set their respective hands in the presence of -

1) Anilkumar Damodar Sutar.

2) Amit Chandrakant Shirgopikar.

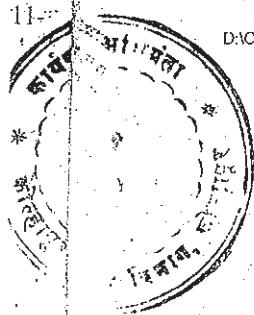
SIGNED, SEALED AND DELIVERED by the Executive Engineer, Kolhapur Irrigation Division for and on behalf of the Governor of Maharashtra in the presence of -

1) R.P. Bharali scd Engr (Signature)

2) Suhar Chandrapur (Signature) महाराष्ट्र

संघ कार्यकारी अभियंता
कोल्हापुर पाटवंशारे विभाग,
कोल्हापुर.

कार्यकारी अभियंता
कोल्हापुर पाटवंशारे विभाग,
कोल्हापुर.



Annexure - III



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FORESTS
& CLIMATE CHANGE

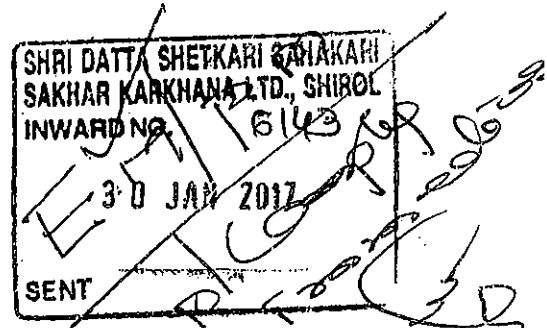
Regional Office (WCZ)
Ground Floor, East Wing
New Secretariat Building
Civil Lines, Nagpur - 440001
E-mail: apccfcentral-ngp-mef@gov.in

F.No: EC-225/RON/2016-NGP/ 1250

Date: 13/01/2017

To,

Scientist 'D'
Member Secretary
IA Division (Industry-II)
Ministry of Environment, Forest & Climate Change
Indira Paryavaran Bhawan,
Aliganj, Jorbagh Road,
New Delhi-110003



Sub: Environmental Clearance for the expansion of Distillery Unit from 30 KLPD to 60 KLPD of M/s. Shri Datta Shetkari Sahakari Sakhar Karkhana Limited located at Datta Nagar, Shirol, Kolhapur, Maharashtra-reg.

Ref:

1. MoEF Letter no. J-11011/33/2001-IA II(I) dated 11.12.2001

Sir,

I am directed to invite your kind attention on the above subject and letter under reference. Monitoring report of compliance to conditions stipulated in Environment Clearances accorded for Molasses based Distillery Unit from 30 KLPD to 60 KLPD of M/s. Shri Datta Shetkari Sahakari Sakhar Karkhana Limited located at Datta Nagar, Shirol, Kolhapur, Maharashtra is enclosed herewith. Following observations were made during the site inspection:

Environment Clearance for the 60 KLPD Distillery issued by MoEF vide letter no. J-11011/33/2001-IA II(I) dated 11.12.2001

Following conditions were not complied:

General Condition no. XI:

PA did not inform the financial closure details to Regional Office of the Ministry.

Following conditions were partially complied:

General Condition no. III:

From the monitoring report submitted, it has been observed that no monitoring is being carried out in the upwind direction.

General Condition no. VII:

Following measures need to be implemented:

- i) Air quality monitoring locations need to be increased by considering sugar plant, distillery and co-gen plant. Monitoring frequency shall be fixed as once in a month.

- ii) Fugitive emissions need to be monitored at cane yard, bagasse storage yard, near composting area
- iii) Currently ground water quality is being monitored only at 2 locations near compost yard. Number of monitoring locations need to be increased near compost yard, spent wash lagoon based on the drainage pattern of the area.

Analysis of compost Leachate needs to be carried out regularly.

General Condition no. IX:

PA did not submit the six monthly compliance regularly.

General Condition no. X:

PA submitted that advertisement has been made, however documentary proof was not submitted during the inspection.

Environment Clearance for the 7500 TCD Sugar Plant issued by Government of Maharashtra Vide Letter No. ENV (NOC) 2000/130/CR-21/D-I DATED 23.03.2000

Following conditions were partially complied:

Condition no. 15:

Green belt is developed in 29.64 ha, however tree density per hectare is not as per the stipulation.

Condition no. 17:

PA submitted that Compliance report was submitted to MPCB/ Government of Maharashtra, however same was not submitted to Regional Office of the Ministry.

Other Details:

Average quantity of sugar cane crushed during last three years (i.e. 2013-14 to 2015-16) was 7699 TCD, which is found to be higher than the approved capacity of 7500 TCD.

This issues with the approval of APCCF (Central), Regional Office, Nagpur.

A. Suresh Kumar
13/01/17
Suresh Kumar Adapa
Scientist 'D'

Encl: as above

Copy to:

1. Director RO HQ, Ministry of Environment, Forest & Climate Change, Government of India, 1st Floor Agni Wing, Indira Paryavaran Bhawan, Jorbagh Road, New Delhi-110 003
2. Director (Monitoring Cell), Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Aliganj, Jorbagh Road, New Delhi-110003
3. Managing Director, M/s. Shri. Datta S.S.S.K. Limited, Post: Dattanagar, Taluka: Shirol, Kolhapur District, Maharashtra-416120
4. Guard File

A. Suresh Kumar
13/01/17
Suresh Kumar Adapa
Scientist 'D'

Environmental Clearance Compliance of the Expansion of Distillery Unit from 30 KLPD to 60 KLPD as per the Visit of Regional Officer, MOEF, Nagpur vide Letter No. J-11011/33/2001-IA II(I) dated 11/12/2001.

Sr. No.	Environmental Clearance Condition	Compliance
01	PA did not inform the Financial Closure details to the Regional Office of the Ministry.	It has submitted. However, it is again submitted 27 th February 2002, as the financial closure.
02	No Monitoring Report is being carried out in the upwind direction.	It is carried out from the season 2016-2017 onwards.
03	i] Air quality monitoring locations shall be increased monitoring frequency shall be fixed as once in a Month. ii] Fugitive Emissions need to be monitored at cane yard, bagasse storage yard and near composting area. iii] Ground water quality monitoring stations shall be increase at compost yard site, spent wash lagoon area based on the drainage area.	From Season 2016-2017 onwards, three stations were established. Monitoring was carried out once in a month. The monitoring was carried out at all the three stations as suggested by the Regional Officer, MOEF, Nagpur. Ground water monitoring stations are increased to four stations instead of two stations at present.
04	PA did not submit six monthly reports regularly.	Shall be submitted regularly.
05	PA Submitted that advertisement has been made, however, documentary proof was not submitted during the inspection.	Public Hearing Notification was published in the Daily Pudhari / Sakal dated 13/04/2001. Public Hearing Proceedings were incorporated in the EIA Report. Public Hearing was conducted on 17/05/2001.

Environment Clearance for the 7500 TCD Sugar Plant issued by Government of Maharashtra vide letter No. ENV(NOC)2000/130/CR-21/D-1 dated 23/03/2000.

Sr. No.	Environmental Clearance Condition	Compliance
01	Green Belt is developed in 29.64 hectares; however tree density per hectare is not as per the stipulation.	Shall be maintained as 1500 trees per hectare. At present it is 1350 trees per hectare.
02	PA submitted that compliance report was submitted to MPCB / Govt. of Maharashtra, however same was not submitted to Regional office of the Ministry.	Submitted to Bhopal and in future shall be submitted to Nagpur
03	Sugarcane crushing (i.e. 2013-14 to 2015-16) was 7699 TCD, which is higher than the approved capacity 7500 TCD.	Due to pressure from the farmers as their cane shall not get crushed, we had to slightly crush more. However, during the season 2016-17 crushing was maintained maximum 7500 TCD. The average crushing capacity during 2016-17 season was 7372 TCD.

Environmental Clearance Compliance of the Expansion of Distillery Unit from 30 KLPD to 60 KLPD as per the Visit of Regional Officer, MOEF, Nagpur vide Letter No. J-11011/33/2001-LA II(I) dated 11/12/2001.

Sr. No.	Environmental Clearance Condition	Compliance
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02	No Monitoring Report is being carried out in the upwind direction.	It is carried out from the season 2016-2017 onwards.
03	i] Air quality monitoring locations shall be increased monitoring frequency shall be fixed as once in a Month. ii] Fugitive Emissions need to be monitored at cane yard, bagasse storage yard and near composting area. iii] Ground water quality monitoring stations shall be increase at compost yard site, spent wash lagoon area based on the drainage area.	From Season 2016-2017 onwards, three stations were established. Monitoring was carried out once in a month. The monitoring was carried out at all the three stations as suggested by the Regional Officer, MOEF, Nagpur.
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03	Sugarcane crushing (i.e. 2013-14 to 2015-16) was 7699 TCD, which is higher than the approved capacity 7500 TCD.	Due to pressure from the farmers as their cane shall not get crushed, we had to slightly crush more. However, during the season 2016-17 crushing was maintained maximum 7500 TCD. The average crushing capacity during 2016-17 season was 7372 TCD.

**MINUTES OF THE ENVIRONMENTAL PUBLIC HEARING
HELD FOR
PROPOSED EXPANSION OF SUGAR CANE CRUSHING CAPACITY
FROM 7500 TCD TO 9000 TCD
IN RESPECT OF
M/S. SHREE DATTA SHETKARI SAHAKARI SAKHAR KARKHANA
LTD.,
AT: SHIROL, POST: DATTANAGAR, TAL: SHIROL, DIST:
KOLHAPUR (MAHARASHTRA STATE)**

Public hearing for proposed expansion of sugar cane crushing capacity from 7500 TCD to 9000 TCD in respect of M/s. Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd., Shirol, Post: Dattanagar, Tal: Shirol, Dist: Kolhapur was held on 10.11.2016 at 11.00 AM at Late Dattajirao Kadam Kamgar Kalyan Mandal Trust Hall, Karkhana site, Shirol, Dist: Kolhapur. Following panel members were present for the public hearing:-

1. Hon'ble Shri. Sanjay Shinde, Additional District Magistrate, Kolhapur. (Representative of District Collector, Kolhapur) Chairman
2. Shri N. H. Shivangi, Regional Officer, M.P.C. Board, Kolhapur. (Representative of Maharashtra Pollution Control Board) Member
3. Sou Indira Gaikwad, Sub Regional Officer, MPCB, Kolhapur. Convenor

First of all, Sou Indira Gaikwad, Sub Regional Officer, MPC Board, Kolhapur and Convener of the environmental public hearing welcomed the participants and started the public hearing after seeking permission of Hon'ble Chairman of the public hearing. She informed that the public hearing is held in respect of the proposal submitted by M/s. Shri Datta Shetkari Sahakari Sakhar Karkhana Ltd; Shirol for expansion of its crushing capacity from 7500 MT to 9000 MT per day. Since the factory is covered under Annexure B Classification 5 (J) of the Notification of Ministry of Environment and Forests, Government of India dated 14-09-2006 and amended on 01-12-2009, it is necessary to conduct the public hearing. Due to growth in Industrialization, it has become important to protect the environment and therefore, to include the

public in the vicinity of the proposed project in the process of environmental approval to such projects. Similarly, due to involvement of public in the vicinity in the process of environment approval, it helps in educating the public regarding environmental issues, keeping an eye on the consequences of the project and to suggest solutions thereon and therefore, conducting the public hearing is necessary.

Forest and Environment Department of the Government of Maharashtra has granted permission for conducting the Public Hearing vide certificate (TOR)(SEAC 122th Hearing) dated 24,25,26 February 2016. The Member Secretary M. P. C. B., Mumbai vide his order dated 03-11-2016 has declared that the Additional District Magistrate, Kolhapur shall be the Presiding Officer, Regional Officer, M. P. C. Board, Kolhapur shall be a Committee Member and Sub Regional Officer, M. P. C. B., Kolhapur shall be the Convener of the public hearing. Accordingly, notice of Public Hearing was published in local newspapers on 09-10-2016 i.e. in 'Daily Pudhari' and the 'Times of India'. Similarly, documents related to the project were made available in following offices:-

- 1 Collector Office, Kolhapur
- 2 District Industries Centre, Kolhapur
- 3 CEO, Zilla Parishad, Kolhapur
- 4 Environment Department, Mumbai
- 5 M. P. C. B. (head office), Mumbai.
- 6 Tahsildar Office, Shirol, Taluka Shirol.
- 7 Grampanchayat, Dharangutti.
- 8 Grampanchayat, Shirol
- 9 Grampanchayat, Agar
- 10 Grampanchayat, Arjunwad
- 11 Grampanchayat, Kondigre
- 12 B. D. O, Shirol.

M.P.C. Board has received written representations regarding the proposed project. 'Ankush', a Social Organisation, Mr Dastagir Bandar and Dr C. D. Patil have submitted written representation to Sub-Regional Office, M. P. C. B; Kolhapur. Also Shri V. Sunanda Reddy, Environmentalist, Telangana State has submitted suggestions regarding the proposed project on e-mail.

Thereafter, she requested the project proponent to give presentation about the proposed project and its environmental impact.

Accordingly, environmental consultant of the Management, Dr. B. Subbarao submitted his presentation to the gathering.

He submitted his presentation through slide show which includes existing status of organization, crushing capacity, location, area, factory layout, toposheet map, contour map etc.

He further explained this is not expansion of sugar factory but only the modernization. Karkhana utilizes 900 m³ water per day out of which 100 m³ utilized for domestic use and 800 m³ water used for distillery. Karkhana lifts all required water from Panchaganga river. Sugar factory recycles approx. 1500 m³ condensate water for different usages like spray pond make up, process water, for cooling tower make up, for molasses dilution in distillery etc.

For proposed modernization, no excess land, water and fuel is required. For production of 180 ton per hour steam, 72 ton per hour bagasse is required. Required 138 ton per hour steam is provided by co-generation (USDPCL) to Shree Datta SSSK Ltd., Shirol. During modernization usage of steam will be bring down up to 34% from existing 39% on cane. Now a days, sugar factory requires 7.6 MW electricity which increases up to 9.12 MW after modernization.

USDPCL has established a boiler of capacity 180 ton and 110 kg per cm² pressure. Boiler is having latest ESP and 98 meter stack height which reduces air pollution to considerable limit.

Factory operation generates small quantity of spent oil which is mixed with bagasse and same is utilized in the boiler as fuel. The entire distillery waste is utilized for composting.

Socio-economic study –

According to socio-economic study, it shows that due to modernization society will be benefitted.

Environment and bio-diversity –

According to Shannon-Weiner index, there is a good bio-diversity in studied area of karkhana command area.

Water budget –

After modernization factory need not require more water as well as it will generate less effluent. Factory having well equipped ETP of 700 m³ capacity per day. Currently, 324.25 m³ per day waste water is treated through ETP and after modernization the quantity will be around 332.33 m³/day.

Factory is having total land around 85.46 hectares out of which green belt comprises 29.64 hectares.

Factory site is well equipped with 50 bedded hospital, industrial training institute, polytechnic college and the same are used by factory employees, shareholders and villagers etc.

There will not be any impact on air quality due to proposed project and also it does not require excess fuel.

During the presentation, slides of windrose diagramme, isopheletes for PM10, isopheletes for PM 2.5, isopheletes for Sox, isopheletes of Nox, ETP flow sheet, condenser cooling and water balance for 9000 TCD etc. are shown.

Online monitoring –

Factory has installed online monitoring system for treated waste water as per CPCB guidelines. It monitors flow, pH, BOD, COD and TSS. Also factory has installed real time monitoring system for spent wash flow of distillery as well as web camera is fitted at the compost yard.

After above presentation, following discussion/question answer took place.

1	Mr Prithviraj Ashokrao Yadav, Shirol, Deputy Sarpanch, Grampanchayat, Shirol.	Due to expansion of crushing capacity from 7500 MTD to 9000 MTD, sugar cane can be processed earlier. Recovery will increase. Therefore, if no environmental issues are created due to expansion, then we have no objection for the same.
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2	Mr Bhalchandra Langare, Dharangutti	The project is essential. Sugar Cane will be harvested at the earliest. Village Dharangutti is located at a distance of 2 to 2.5 Kms from the sugar factory and we have no problem of pollution due to the factory. Grampanchayat, Dharangutti has passed resolution in favour of the project as the same shall not have adverse effect on us.
3	Mr Sukumar Kalgonda Patil, Herwad.	I am member of this sugar factory. There will be no pollution due to expansion. It will increase employment. If the crushing capacity is increased, the transporters will be benefited as they will get more business.
4	Mr. Tatoba Bandu Koli, Ex-sarpanch, Kutwad.	The expansion will help in crushing the sugar cane by the month of March. It will increase the quality of soil. There will be no problem due to the proposed project. We have no objection about proposed project.
5	Mr Nandkumar Bapuso Patil, Arjunwad	I have acquired detailed information regarding the project. The Project is useful for all the farmers. The project shall be commissioned at the earliest.
6	Mr Appaso Govindrao Gavade, Shirol	The project should be 10000 MTD instead of 9000 MTD because the area of operation of the Karkhana is Karnataka and Maharashtra and the sugar cane can reach the factory within 24 hours of harvesting. The project shall not have any adverse effect on our village. Villagers of Shirol have no objection.
7	Mr Dipak Ashok Patil, Shirol.	My agricultural land is adjacent to the Karkhana, which has a well too. The water samples of the well are collected and analysed by the factory regularly. The river water is clean and is having fishes. We have no objection. The expansion will help the transporters.

8	Mr Satappa Gundu Bagadi, Kurundwad.	The Karkhana has efficiently implemented Cane Development Programme. The expansion is in favour of the farmers. The citizens of Kurundwad have signed in favour of the project. We have no objection for expansion of 10000 MTD instead of 9000 MTD.
9	Mr Vishal Avati, Akivat.	Karkhana is surrounded by natural resources. There shall not be any environmental issue if the crushing capacity is increased to 10000 TCD instead of 9000 TCD. The Karkhana has taken precaution.
10	Mr Avinash Patil, Ex-Sarpanch, Shirdhon.	The Karkhana is leading example of Pollution Free Factory not only in Maharashtra but in the entire country. The question of pollution does not arise.
11	Mr Mallappa Chennappa Chougule, Kavathe Guland, Member Grampanchayat.	The environment near Karkhana is clean. There will not be problems of pollution.
12	Mr Vinayak Akaram Patil Mouje Agar	My agricultural land with well is adjacent to the Karkhana. The water is clear and clean which helps me in getting better crop of Sugar Cane and banana. There is no question of pollution.
13	Mr. Mahadev Shankar Pandhare, Shirdhon	The report in respect of expansion of crushing capacity from 7500 MTD to 9000 MTD is proper. The project will benefit the members in Karnataka and Maharashtra. Therefore, the expansion is essential and we support the same.
14	Mr Dhanaji Chudmunge, Shirol	The analysis results of ground water are shown on page No. 53 of the EIA report. The samples should have been taken from nearby places of the sugar factory. The reports are of samples collected from 2 to 2.5 Kms away from the factory. The name of the lab from where samples are analysed has not been given. Also its limits are not given. Hence, they have deceived us. Secondly, there

	should be a separate meter for waste water treatment plant of the sugar factory and its record should be separate as per MPCB rules. The electricity of co-gen plant is used by sugar industry. This is illegal. Is really effluent treatment plant of the factory is working ? MPCB should explain whether they have taken objection for giving untreated waste water to farmers by the industry. The technical consultant has informed that the treated waste water is utilized on 100 acres land. Actually, they are giving their waste water for 1000 to 1200 acres of land for cultivation. He is telling lie and should tell the truth. Compensation should be paid to the farmers for damage of their lands. I request the revenue department to see exact area for which this water is given. Due to the waste water of the factory, the lands and borewell water of many farmers have been polluted. Everyone knows the fact. Borewell water gets polluted even if no waste water of the factory is taken. The technical consultant should tell us whether he prepared the reports after visiting the fields or prepared it by only sitting in his office. He should visit the places where waste water is given. We accept that due to expansion the sugarcane will be harvested earlier. We do not want the factory to be closed down, and it should incur losses because we are member/owners of the factory. Presently, we are facing problems of pollution due to the co-generation plant. They have not developed green belt as they say. Shri Chudmunge submitted written representation.
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15	Mr Avinash Sureshrao Patil, Mouje Agar	Our borewell water and well water has been polluted due to waste water of the sugar factory. The information given in the EIA report is incorrect. It is our complaint, that the villagers of Mouje Agar get untreated waste water of the factory. The waste water should be given after treatment. Due to waste water, the worms available in soil and other bio-organisms are killed. Hence, we demand that farmers should be compensated by giving them Rs 10000/- per acre of land as damage. Also, during monsoon, nallas get overflow and the untreated waste water of the factory is discharged in these nallas which damages agricultural lands. The water should be given after treatment. The Chairman of the committee instructed Mr. Patil to submit his written complaint to the committee.
16	Mr Diliprao Baburao Mane-Patil, Shirol	We are submitting written representation. I have no complaint about expansion of the crushing capacity. But expansion should be done after complying all the norms of environmental acts. In the year 2011-12, the sugar factory has crushed 1.0 lakh ton of sugarcane by taking it from outside. Hon'ble Chairman requested him to submit written representation.
17	Mr.Dilip Jinnappa Mangave, Shirol	The industry should be operated as per the guidelines given by the Supreme Court of India and as per the directions of NGT.
18	Sou Urmila Sanjay Suryavanshi, Ex Sarpanch, Mouje Agar	Mr. Dhananjay Chudmunge is complaining that his borewell water has been polluted due to the waste water of the factory, whereas the truth is that he sells that water after filtering and packaging for drinking purpose. The compost yard is next to my house but the factory has made proper system and planted trees. And hence, there is no air pollution at all. The tree plantation carried out by the factory is very good.

19	Mr. Dargu Gopal Gavade, Member Of Panchayat Samiti, Shirol.	Till now, whenever required the factory has conducted public hearing. The factory is functioning properly. Hence, there is no problem of any pollution to village Shirol. The population of village Shirol was about 10000 at the time of establishment of the factory, but it has now gone up to 40000. The factory has planted 7000 to 9000 trees and prevented pollution.
20	Mr. Shamgonda Pungonda Patil, village Jambhali	Sugar Cane is the main crop of Western Maharashtra. Harvesting of sugarcane takes 18 months. It will give farmers four extra months for preparation of soil for cultivation in the month of August. It will be beneficial for the farmers. Also, it will help during scarcity of water during summer.
21	Mr Mahesh Bapuso Parit, Ex-sarpanch, Nandani	My house is located at a distance of 5 Kms away from the factory. Factory is implementing the Cane Development Programme. We have no objection to expansion.
22	Shri Shankar Dudhale, Arjunwad	Due to use of treated waste water for agriculture, the average sugarcane production has gone to 90 to 100 Tons per acre. We have no problem of this waste water.
23	Mr. K. A. Sankpal, Shirol	My residence is within the vicinity of the sugar factory. There shall not be any adverse effect on the environment due to expansion. I have been using waste water for the sugar factory for my agricultural land for last 10 years. It has not affected my agricultural land.
24	Mr Ranjitsingh Diliprao Mane-Patil, Shirol	I have 40 acres of agricultural land near Karkhana including my bungalow opposite office. The water analysis reports shown by the technical consultant belong to village Shedshal which is more than 10 Kms away from the factory. We have no objection to co-generation. But they are causing health problems to village Shirol and 10 adjacent villages. We have analysis report of water of our well/borewell water in our farm. The results show that water conductivity,

		total hardness, chlorides, sulphates are more than the prescribed standards. In the report, it has been mentioned that this water is neither fit for drinking nor for agriculture purpose. Co-generation plant is run by using coal as its fuel. Coal causes health problems. Bagasse should be used instead of coal. The expansion should be done as per the guidelines laid down by Hon'ble National Green Tribunal and M.P.C Board. We have come to know that the factory has already done its expansion by installing all machinery and the public hearing is held just for show.
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Environment Consultant of the Karkhana, Dr B. Subbarao submitted his explanation to above issues as follows:-

All reports pertaining to pollution are submitted by Padmaja Aerobiologicals (P) Ltd, which is MOEF approved Laboratory. Presently, we are going to increase capacity of sugar factory and not of co-generation plant. No other industry has as good Effluent Treatment Plant as this sugar factory has. The treated waste water is supplied to 40 hectares of agricultural lands which have produced maximum 115 MT of sugar cane per acre and average production is 40 to 50 tons per acre. We have executed bilateral agreement with nearby member farmers for disposal of treated effluent in their fields.

Last year, the officers of Central Pollution Control Board had visited this factory. They visited Effluent Treatment Plant. I was also with them. I have also visited the site twice before this visit. The waste water is discharged on land for irrigation only after treatment. After looking at the production of sugarcane crops, we can believe it. It is incorrect to say that we dispose untreated waste water for agriculture.

The factory has planted about 21000 trees for green belt development. No other industry has developed as good green belt as developed by this factory.

As per TOR, we have collected and analysed samples of air, water and noise etc. within the radius of 10 Kms. of the factory. The waste water is not

discharged into nullahs. Maharashtra Pollution Control Board is monitoring regularly.

Following Grampanchayats submitted copies of resolutions passed in favour of the proposed project in their Monthly Meetings to the Convener of the public hearing.

- 1 Grampanchayat, Shirol
- 2 Grampanchayat, Agar
- 3 Grampanchayat, Dharangutti
- 4 Grampanchayat, Arjunwad
- 5 Grampanchayat, Kondigre

Similarly, some of the villagers submitted their representation regarding the proposed project.

Hon'ble Chairman informed that this public hearing committee has no power to grant permission to the proposed project. It only conducts the public hearing and submits minutes of the meeting to the Government for further decision. Accordingly, the minutes of this public hearing will be submitted to the Government.

Finally, Hon'ble Chairman thanked all the participants for their cooperation to conduct the public hearing peacefully and concluded the hearing.

The copies of the representations/complaints received in respect of the proposed project are enclosed with the minutes.

(Sou Indira Gaikwad)
Convener
Cum
Sub Regional Officer,
MPCB, Kolhapur.

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

(Sanjay Shinde)
Chairman
Cum
Additional District Magistrate
Kolhapur

मे. श्री दत्त शेतकरी सहकारी साखर कारखाना लि., शिरोळ, पोर्ट दत्तनगर, ता. शिरोळ, जि. कोल्हापूर यांची ऊस गाळप क्षमता ७५०० टीसीडी वरुन ९००० टीसीडी करणे या प्रस्तावित विस्तारीकरण प्रकल्पाच्या पर्यावरण विषयक जाहीर जनसुनावणीचे इतिवृत्त .

मे. श्री दत्त शेतकरी सहकारी साखर कारखाना लि., शिरोळ, पोर्ट दत्तनगर, ता. शिरोळ, जि. कोल्हापूर यांची ऊस गाळप क्षमता ७५०० टीसीडी वरुन ९००० टीसीडी करणे या प्रस्तावित विस्तारीकरण प्रकल्पाची पर्यावरण विषयक जाहीर जनसुनावणी दि. १० नोव्हेंबर २०१६ रोजी सकाळी ११.०० वाजता कै. दत्ताजीराव कदम कामगार कल्याण मंडळ ट्रस्ट हॉल, दत्तनगर, शिरोळ, ता. शिरोळ, जि. कोल्हापूर येथे कारखाना कार्यस्थळावर आयोजित करण्यात आली.

पर्यावरण विषयक जाहीर जनसुनावणीस खालील समिती सदस्य उपस्थित होते.

१.	मा. श्री. संजय शिंदे, अपर जिल्हा दंडाधिकारी, कोल्हापूर (जिल्हाधिकारी, कोल्हापूर यांचे प्रतिनिधी)	अध्यक्ष
२.	श्री. न. ह. शिवांगी प्रादेशिक अधिकारी, म.प्र.नि. मंडळ, कोल्हापूर.	सदस्य
३.	सौ. इंदिरा गायकवाड, उप प्रादेशिक अधिकारी, म.प्र.नि. मंडळ, कोल्हापूर	संयोजक

पर्यावरणविषयक जाहीर जनसुनावणीचे इतिवृत्त खालिलप्रमाणे.

सुरवातीस उप प्रादेशिक अधिकारी, म.प्र.नि. मंडळ, कोल्हापूर तथा जनसुनावणीचे संयोजक यांनी उपस्थितांचे स्वागत करून मा. अध्यक्षांच्या परवानगीने जनसुनावणी सुरु केली. त्यांनी सांगितले की, आजची जनसुनावणी ही श्री दत्त शेतकरी सहकारी साखर कारखाना लि. यांच्या ऊस गाळप क्षमता ७५०० टीसीडी ते ९००० टीसीडी करणे या प्रस्तावित विस्तारीकरण प्रकल्पासाठी आयोजित केलेली आहे. भारत सरकारच्या पर्यावरण व वने मंत्रालय यांच्या दि. १४ सप्टेंबर २००६, सुधारीत ०१.१२.२००९ रोजीच्या अधिसूचनेनुसार सदर प्रकल्प हा परिशिष्ट 'ब' च्या वर्गीकरण ५ (जे) मध्ये येत असल्याने त्याची पर्यावरण विषयक जाहीर जनसुनावणी घेणे आवश्यक आहे. आज वाढत्या औद्योगिकरणाबोराच पर्यावरणाचे संवर्धन करणे अत्यंत महत्वाचे असून अशा प्रवर्गातील प्रकल्पांना पर्यावरण विषयक मंजूरी देण्याच्या प्रक्रियेत सर्वसामान्य जनतेला सहभागी करून घेण्याची गरज निर्माण झाली असून जनतेच्या सहभागामुळे स्थानिक प्रश्न, जनतेच्या पर्यावरण विषयक जाणीवा, अधिक जागरुक करणे, प्रकल्पाची यथार्तथा पटवून देणे, प्रकल्पामुळे होणा-या संभाव्य परिणामांकडे लक्ष ठेवणे व त्यावर योग्य त्या उपाययोजना करणे व यासंदर्भात चर्चा घडवून आणणे इत्यादी बाबींच्या दृष्टीकोनातून पर्यावरण विषयक मंजूरी देण्यापूर्वी संबंधित प्रकल्पाबाबत पर्यावरण विषयक जाहीर सुनावणी घेणे आवश्यक ठरते. महाराष्ट्र शासनाच्या वने व पर्यावरण विभागाने १२२ वी सभा (SEAC) दि. २४, २५, २६ फेब्रुवारी, २०१६

च्या प्रमाणपत्रान्वये जाहीर जनसुनावणी घेण्यासाठी मंजूरी देण्यात आली आहे. सदर सुनावणीचे मा. अप्पर जिल्हा दंडाधिकारी, कोल्हापूर हे अध्यक्ष, प्रादेशिक अधिकारी, म.प्र.नि. मंडळ, कोल्हापूर हे सदस्य व उप प्रादेशिक अधिकारी म.प्र.नि.मंडळ, कोल्हापूर हे संयोजक असल्याचे आदेश मा. सदस्य सचिव, म.प्र.नि. मंडळ, मुंबई यांनी दि.०३/११/२०१६ रोजी दिलेले आहेत. सदर अधिसूचनेनुसार दि. ०९/१०/२०१६ रोजी दैनिक पुढारी व द टाईम्स ऑफ इंडिया या वर्तमानपत्रामध्ये प्रस्तावित प्रकल्पाच्या जाहीर जनसुनावणीबाबतची सूचना प्रसिद्ध करण्यात आलेली होती. प्रकल्प संदर्भातील दस्तऐवज लोकांच्या माहिती करीता खालील कार्यालयात उपलब्ध करण्यात आलेले होते.

१	जिल्हाधिकारी कार्यालय, कोल्हापूर
२	जिल्हा उद्योग केंद्र, कोल्हापूर
३	मुख्य कार्यकारी अधिकारी, जिल्हा परिषद, कोल्हापूर
४	पर्यावरण विभाग, मुंबई
५	म.प्र.नि.मंडळ(मुख्यालय), मुंबई
६	तहसिलदार कार्यालय, शिरोळ, ता.शिरोळ
७	ग्रामपंचायत, धरणगुरुती
८	ग्रामपंचायत, शिरोळ
९	ग्रामपंचायत, आगर
१०	ग्रामपंचायत, अर्जुनवाड
११	ग्रामपंचायत, कोडिग्रे
१२	गटविकास अधिकारी, शिरोळ

प्रस्तावित प्रकल्पासंदर्भात लेखी आक्षेप प्राप्त झालेले आहेत तसेच 'अंकुश' ही सामाजिक संस्था तसेच श्री. दस्तगीर बाणदार व डॉ. सी. डी. पाटील यांच्याकडून पर्यावरण विषयक निवेदने सादर झालेली आहे. तसेच व्ही. सुनदा रेडी, पर्यावरणवादी, तेलंगना राज्य यांच्याकडून ई-मेल व्हारे प्रस्तावित प्रकल्पासंदर्भात सूचना प्राप्त झालेल्या आहेत. यानंतर संयोजकांनी प्रकल्प प्रवर्तकांना प्रस्तावित प्रकल्पाबाबत सादरीकरण करण्याची विनंती केली.

यानंतर डॉ. बी. सुब्बाराव, पर्यावरण विषयक सल्लागार यांनी स्लाईड शोव्हारे प्रकल्पाबाबतची माहिती सादर केली. त्यांनी प्रस्तावित प्रकल्पाचा पर्यावरण आघात मुल्यांकन अहवाल आमच्या संस्थेने तयार केलेला आहे असे सांगितले. यामध्ये सध्याची व प्रस्तावित ऊस गाळप क्षमता, भौगोलीक स्थान, क्षेत्र, कार्यस्थळ, कारखाना स्थळदर्शक नकाशा, अक्षांश-रेखांश, कारखाना परिसराचा कंटूर नकाशा याबाबत माहिती दिली.

त्यांनी सांगितले की, हे विस्तारीकरण नसून आधुनिकीकरण आहे कारण विस्तारीकरणामुळे कुठलेही जादा वाफ, पाणी ई. लागणार नाही. कारखाना प्रतिदिन ९०० घनमिटर पाण्याचा वापर करतो त्यापैकी १०० घ.मि. घरगुती व ८०० घनमिटर आसवनी व साखर उत्पादनासाठी, अतिरिक्त पाणी पुनर्वापर कन्डेन्सेट मधून घेतले जाते. कारखान्यास लागणारे सर्व पाणी हे पंचगंगा नदीतून घेतले जाते. पाणी शुद्धीकरण प्रक्रियेसाठी ऐरोबीक व अनऐरोबीक पद्धतींचा वापर केला जातो. प्रक्रिया केलेले सर्व पाणी हे सुमारे ४० हेक्टर शेतीच्या सिंचनासाठी वापरले जाते. प्रतिदिन सुमारे १५०० घ.मि. अतिरिक्त कंडेन्सेटचे प्रक्रिया केलेले पाण्याचा वापर

वॉर्शिंगसह स्प्रेपॉड व प्रोसेस वॉटर, आसवनीच्या कुलिंग टॉवर, मोलेंसिस डायल्युशनसाठी केला जातो.

सदरच्या विस्तारीकरणासाठी जादाचे वाफ, पाणी व जमीन याची कोणतीही आवश्यकता नाही व कोणत्याही जादा इंधनाची आवश्यकता नाही. प्रतितास १८० टन वाफ निर्मितीसाठी फक्त ७२ टन/तास इंधनाची गरज आहे. ऊर्जाकूर सहवीज निर्मितीकडून साखर उद्योगासाठी प्रतितास १३८ टन वाफेचा पुरवठा केला जातो. सद्यास्थितीत वाफेचा वापर हा ऊस गाळपाच्या ३९ टक्के असून तो ३४ टक्के इतका कमी करण्यात येणार आहे. सध्या ७.६ मेगावॅट वीजेचा वापर होतो, तो विस्तारीकरणानंतर ९.१२ मेगावॅट इतका वाढणार आहे.

हवा प्रदूषण निकषांबाबत ऊर्जाकूर श्री. दत्त पॉवर कंपनी लि. ने बॉयलरसाठी ई.एस.पी. ची तसेच १८ मिटर्स ऊंचीच्या धुराडयाची उभारणी केलेली आहे. प्रतितास १८० टन क्षमतेचा व ११० किलो प्रति चौ.से.मि. वाफ निर्मितीचा बॉयलर उभारलेला आहे, यातून फक्त स्पैट ऑईल निर्माण होते व ते मे. ऊर्जाकूर प्रकल्पामधील बॉयलरमध्ये बॉग्समध्ये मिसळून इंधन म्हणून जाळले जाते.

सामाजिक आर्थिक अभ्यास - सामाजिक आर्थिक विकासाबाबत विचार केला तर असे दिसून येते की, विस्तारीकरणामुळे एकंदरीत फायदाच होणार आहे.

पर्यावरण व जैविक विविधता - शामॅन वेईनर गुणांकाप्रमाणे कारखाना कार्यक्षेत्रामध्ये अभ्यास केले असता अधिक जैविक विविधता आणि प्रादेशिक वनस्पतीची समृद्धी दिसून येते.

पाण्याचे अंदाजपत्रक -

विस्तारीकरणानंतर पाण्याची गरज तसेच प्रक्रियेनंतर बाहेर पडणारे सांडपाणी यामध्ये किंचीत वाढ होणार आहे. सांडपाणी प्रक्रिया यंत्रणेची क्षमता ही ७०० घ.मी.प्रति दिन इतकी आहे. तथापि, सध्या प्रति दिन ३२४.२५ घ.मी. इतक्या सांडपाण्यावर प्रक्रिया केली जाते व विस्तारीकरणानंतर ती प्रति दिन ३३२.३३ घ.मी. इतकी होईल.

कारखान्याची एकूण जागा ८५.४६ हेक्टर इतकी असून २९.६४ हेक्टर इतक्या जागेवर हरितपट्टा विकसीत केला आहे.

कारखान्याच्या परिसरात सर्व सोईनीयुक्त असे ५० खाटांचे सुसज्ज रुग्णालय, औद्योगिक प्रशिक्षण केंद्र, पॉलिटेक्निक कॉलेज आहे. कारखान्याचे कर्मचारी, सभासद, गावातील रहिवाशी यांच्याकरिता कल्याणकारी योजना राबविल्या जातात.

प्रस्तावित प्रकल्पामुळे परिसरातील हवेच्या गुणवत्तेवर कोणताही परिणाम होणार नाही तसेच विस्तारीकरणामुळे अधिक इंधनाची गरज लागणार नाही.

यावेळी विंड रोज डायग्राम (एअरमेट), आयसोप्लेथ फॉर पीएम १०, आयसोप्लेथ फॉर २.५, आयसोप्लेथ फॉर SO_2 , आयसोप्लेथ फॉर NO_x , ईटीपी फलो शीट, कंडेन्सर कुलिंग वॉटर बॅलन्स (९००० टन) घनमीटर/प्रतिदिन) याबाबतची माहिती स्लाईड शोव्हारे सादर करण्यात आली.

ऑनलाईन मॉनिटरींग -

कारखान्याकडे सांडपाणी मोजमाप करण्याकरीता डाटा लॉगर व कंटीन्युअस फ्लो मिटर बसविण्यात आला असून त्याव्दारे सांडपाण्याची आवक जावकचे मोजमाप केले जाते. कारखान्याने सी.पी.सी.बी.च्या निर्देशनुसार ॲनलाईन रिअलटाईम कंटीन्युअस मॉनिटरींग सिस्टीम बसविलेली आहे. याव्दारे पी.एच., सी.ओ.डी., बी.ओ.डी. व टी.एस.एस इ. मानकांचे मॉनिटरींग केले जाते. कंपोस्ट यार्ड परिसरात वेब कॅमेरा बसविलेला आहे व स्पैट वॉशचे मोजमाप करणेकरीता डिस्टलरी विभागाकडे रिअलटाईम, कंटीन्युअस मॉनिटरींग यंत्रणा बसविलेली आहे.

वरील सादरीकरणानंतर उपस्थितांनी पुढीलप्रमाणे प्रश्न विचारले व त्यास डॉ. बी. सुब्बाराव यांनी उत्तर दिले.

०१)	श्री.पृथ्वीराज अशोकराव यादव, उपसरपंच, ग्रामपंचायत, शिरोळ	श्री दत्त शेतकरी सह. सा. का.लि, शिरोळ यांनी ७५०० मे. टन वरुन ९००० मे.टन गाळ्य क्षमता वाढविणेचे धोरणामुळे शेतक-यांचा ऊस लवकर गाळ्यांस येणार आहे. व त्यामुळे ऊस लवकर जाणार आहे. शिवाय रिकव्हरी मध्ये वाढ होणार आहे. सदरहू प्रकल्प प्रदूषण विरहीत केला तर या प्रकल्पांस आमची काही हरकत राहणार नाही.
०२	श्री भालचंद्र लंगरे, धरणगुत्ती	हा प्रकल्प होणे गरजेचे आहे. त्यामुळे शेतक-यांचा ऊस लवकर तुटणार आहे. धरणगुत्ती हे गाव कारखान्यापासून २ ते २.५ कि.मी. अंतरावर आहे पण त्याचा आम्हाला कोणताही त्रास होत नाही व पुढेही होणार नाही. धरणगुत्ती ग्रामपंचायतीमध्ये तसा ठराव केलेला आहे.
०३	श्री. सुकुमार कलगोळा पाटील, हेरवाड	मी या कारखान्याचा सभासद असून विस्तारीकरणामुळे प्रदूषण होणार नाही. आम्ही या कारखान्याला ऊस वाहतूक करतो. सध्या कारखान्याची गाळ्य क्षमता वाढविल्यामुळे लोकांना रोजगार मिळेल. व ऊस तोडणी वहातूकदारांचा धंदा वाढेल. ऊस गाळ्य ९००० टन प्रतिदिन पेक्षाही अधिक झाले तरी आमची कोणतीही हरकत नाही. या कारखान्याने मोठ्या प्रमाणात हरितपट्टा विकसीत केला आहे.
०४	श्री.तातोबा बंडु कोळी, माजी सरपंच, कुटवाड	या प्रकल्पामुळे सर्व सभासदाचे / बिगर सभासदांचा ऊस मार्च च्या आत गाळ्यांस येणार आहे त्यामुळे पुढील दोन ते तीन महिने शेतजमिनी रिकाम्या होवून त्यांचा पोत सुधारणार आहे. त्यामुळे पुढील उत्पादन चांगले होईल. विस्तारीकरणामुळे प्रदूषणाचा त्रास होणार नाही. या प्रकल्पाबाबत आमची कोणाचीही तक्रार नाही.
०५	श्री. नंदकुमार बापुसो पाटील, सरपंच, अर्जुनवाड	मी या प्रकल्पाची डिटेल माहिती घेतली आहे हा प्रकल्प सर्व शेतक-यांना व सभासद यांच्यासाठी उपयुक्त आहे. या प्रकल्पाबाबत आमच्या ग्रामपंचायतीकडे कुठलीही हरकत आलेली नाही. प्रस्तावित प्रकल्प लवकरात लवकर कार्यान्वयीत

		व्हावा.
०६)	श्री. आप्पासो गोविंदराव गावडे, रा. शिरोळ	सदरहू प्रकल्प ९,००० ऐवजी १०,००० करावा. कारण कारखान्याचा कार्यक्षेत्र कर्नाटक व महाराष्ट्र राज्यात असलेने ऊस तुटल्यानंतर तो गाळ्पांस २४ तासात येईल. आम्ही शिरोळ गावात राहत असून या प्रकल्पाचा आमच्या गावांस कुठल्याही प्रदुषणांचा त्रास होत नाही.
०७)	श्री. दिपक अशोक पाटील, शिरोळ	माझी जमीन कारखान्याजवळ्याच आहे. कंपोस्ट विभागाजवळ चार फूटांवर माझी विहीर आहे. त्याची तपासणी वेळोवेळी कारखाना करत असतो. तपासणी अहवालामध्ये कधीही विहीर प्रदूषीत असल्याचे दिसून आले नाही. विहीरीचे पाणी स्वच्छ आहे, त्यामध्ये मासे आहेत. त्यामुळे माझी प्रस्तावित प्रकल्पास कोणतीही हरकत नाही. मी ऊस तोडणी वाहतूकीचा धंदा करतो. ऊस गाळ्प क्षमता वाढली तर आमचा धंदा वाढेल.
०८)	श्री. साताप्पा गुंदू बागडी, कुरुंदवाड	कारखाना ऊस विकास योजना अत्यंत चांगल्या पद्धतीने राबवीत आहेत. हा प्रकल्प शेतक-यांच्या हिताचा आहे. व ही योजना चांगली आहे. यासाठी कुरुंदवाड मधील नागरीकांच्या सह्या आहेत. प्रस्तावित प्रकल्पास आमची काही हरकत नाही.
०९)	श्री. विशाल आवटी, अकिवाट	हा कारखाना निसर्गरम्य आहे. सदरहू प्रकल्प ९,००० मे.टन ऐवजी १०,००० मे.टन केल्यास कोणत्याही प्रकारचे पर्यावरण प्रदुषण होणार नाही. त्याबाबत कारखान्याने योग्य ती दक्षता घेतलेली आहे.
१०)	श्री. अविनाश पाटील, शिरोण, माझी सरपंच	आपल्या महाराष्ट्र राज्यामध्ये नव्हे तर देशामध्ये प्रदुषण विरहीत कारखाना कसा असावा याचे एक उत्तम उदाहरण म्हणजे हा कारखाना आहे. त्यामुळे प्रदुषणाचा प्रश्नच उद्भवत नाही.
११)	श्री. मल्लाप्पा चन्नाप्पा चौगुले, कवठे गुलंद ग्रामपंचायत सदस्य	कारखान्याचे वातावरण शुद्ध असल्यामुळे प्रदुषणाचा कोणताही त्रास होणार नाही.
१२)	श्री. विनायक आकाराम पाटील, आगर	कारखान्याच्या लगून हद्दीजवळ माझे शेत व विहीर असून त्या विहीरमधील पाणी स्वच्छ असल्यामुळे माझ्या शेतातील ऊस व केळीचे उत्पादन चांगल्या प्रकारे निघत आहे. कोणत्याही प्रदुषणाचा कोणताही त्रास नाही.
१३)	श्री. महादेव शंकर पाणदारे, शिरोण	हा प्रकल्प ७५०० मे.टन वरुन १००० मे.टन करणेकरीता त्याबाबतचा रिपोर्ट व्यवस्थित आहे. तसेच या प्रकल्पाचा उपयोग कर्नाटक व महाराष्ट्रातील सभासदांना होणार आहे म्हणुन हा प्रकल्प होणे गरजेचे आहे त्यास आमचा पुर्ण पाठिंबा आहे.
१४)	श्री. धनाजी चुडमुंगे, शिरोळ	या प्रकल्पाबाबत हरकत घेणा-यांना प्रथम संधी द्यावी. या प्रकल्पामुळे आर्थिक सामाजिक हित साधले जाईल असे प्रकल्पाच्या पर्यावरण सल्लागारांनी सांगितले आहे. विस्तार वाढ करणेसाठी सादर केलेल्या प्रस्तावातील पान नं ५३ मध्ये जमिनी खालील पाण्याचे, बोअरवेलचे नमुने तपासून अहवाल दिले आहेत ते खरेतर कारखान्याच्या लगतचे घ्यायला पाहिजे होते. त्यांनी १.५ ते २ किमी अंतराच्या पलिकडचे अहवाल जोडलेले आहेत. तसेच हे अहवाल कोणत्या लॅबकडून करून घेतले ते

		<p>सुध्दा दिलेले नाही. तसेच त्याची मर्यादा किती असली पाहिजे व प्रत्यक्षात किती आहे हे दिलेले नाही. त्यामुळे त्यांनी दिशाभूल केलेली आहे. त्यांनी सांगावे की, हे अहवाल कोणत्या लॅबमध्ये केलेले आहेत व त्या लॅबला सरकारची मान्यता आहे का ? माझा दुसरा प्रश्न आहे की, कारखान्याचा सांडपाणी प्रक्रिया प्रकल्पाचे वीज मिटर वेगळे असले पाहिजे व त्याची नोंद सेपरेट ठेवली पाहिजे असे म.प्र.नि. मंडळ सांगते. त्यासाठी को-जेनची विज वापरली जाते ते कायदेशीर आहे का सांगावे. कारखान्याचा सांडपाणी प्रक्रिया प्रकल्प खरोखरच कार्यान्वीत होतो की कारखान्याचे सांडपाणी विना प्रक्रिया शेतक-यांना दिले जाते याबद्दल म.प्र.नि. मंडळाने कधी आक्षेप घेतला आहे का ते म.प्र.नि. मंडळाने आम्हास सांगावे. पर्यावरण सल्लागारांनी सांगितलेले आहे की, सांडपाण्यावर प्रक्रिया करून ते १०० एकर शेतीसाठी शेतक-यांना देतो या १०० शेतक-यांची यादी यांनी प्रसिद्ध करावी अशी माझी विनंती आहे. महसूल विभागानेसुध्दा याची स्वतंत्रपणे तपासणी करावी कारण कारखान्याच्या आसपास १००० ते १२०० एकर शेतीसाठी हे सांडपाणी पुरविले व हे पाणी अत्यंत खराब असते. कारखाना बंद करावा असे आमचे मत नाही. पण १००० ते १२०० एकर साठी सांडपाणी देत असताना १०० एकरसाठी देतो असे खोटे का बोलता ते सांगावे. आमची विनंती आहे की, लोकांना सत्य ते सांगावे. ज्या शेतक-यांचे नुकसान होते त्यांना नुकसान भरपाई द्यावी. माझी मा. अध्यक्षांना विनंती आहे की, सदरचे क्षेत्र किती आहे त्यांची महसूल विभागाने पाहणी करून खात्री करावी व त्याचा अहवाल आल्यानंतरच पर्यावरण मंजुरी देण्याचा निर्णय घ्यावा. तसेच कारखान्याचे सांडपाणी दिल्यामुळे अनेक शेतक-यांची बोअरवेल, विहीरी बाद झालेल्या आहेत. पण वस्तुस्थिती सर्वानाच माहिती आहे. शेतामध्ये बोअर मारले व कारखान्याचे सांडपाणी घेतले नाही तरीसुध्दा बोअरवेलला सांडपाणी लागते. पर्यावरण सल्लागार हे प्रत्यक्ष शेतात जावून हे पाहतात की स्वतःच्या ऑफीसमध्ये बरसून हे करतात ते त्यांनी सांगावे. जेथे सांडपाणी सोडले जाते तेथे जावून ते का पाहणी करत नाही ? विस्तारीकरणानंतर संपूर्ण ऊस वेळेत जाणार आहे हे आम्हास मान्य आहे. कारखाना बंद पडावा, नुकसानीत जावा अशी आमची इच्छा नाही कारण आम्ही कारखान्याचे मालकच आहोत. सध्या आम्ही सहवीज प्रकल्पाच्या प्रदूषणाचा त्रास सोसत आहोत. हरीत पट्टा ते सांगतात तसा केलेला नाही. आम्ही लेखी म्हणणे देतो.</p>
१५)	<p>श्री. अविनाश सुरेशराव पाटील, ग्रामपंचायत सदस्य, मौज आगर</p>	<p>या कारखान्याच्या सांडपाण्यामुळे आमच्या विहीरी, बोअरवेल खराब झालेले आहेत. पर्यावरण आघात मुल्यांकन अहवालामध्ये चुकीची माहिती दिलेली आहे. मौजे आगर येथील शेतक-यांना प्रक्रिया न करताच सांडपाणी दिले जाते अशी आमची तक्रार आहे. ते सांडपाणी प्रक्रिया करून द्यावे. त्यामुळे शेतातील</p>

		जिवाणू व गांडुळ मरतात. त्यामुळे शेतक-यांना प्रती एकर १०,०००/- रुपये नुकसान भरपाई द्यावी अशी आमची मागणी आहे. तसेच पावसाळ्यामुळे ज्यावेळी ओढे, नाले भरून वाहत असतात त्यावेळी कारखाना त्यांचे सांडपाणी ओढे व नाल्थामध्ये सोडल्याने जमिनी खराब होत आहेत. पाण्यावर प्रक्रीया करून द्यावे. यावर मा. अध्यक्षांनी आपले म्हणणे लेखी द्यावे अशी सुचना केली.
१६)	श्री. दिलीपराव बाबुराव माने पाटील, शिरोळ	आम्ही आपणास लेखी निवेदन देत आहे. या विस्तारीकरणाबद्दल माझी कोणतीही तक्रार नाही. परंतु पर्यावरणाचे शासकीय निकष पाळून विस्तारीकरण केल्यास माझी तक्रार नाही. सन २०११-१२ मध्ये कारखान्याने अंदाजे १.०० लाख टन ऊस बाहेरुन आणून गाळप केलेला आहे. यावेळी मा. अध्यक्षांनी ही पर्यावरण विषयक सुनावनी असल्याने त्या अनुषंगाने आपले भुददे मांडावे व आपले लेखी निवेदन द्यावे अशी सुचना केली.
१७)	श्री. दिलीप जिनाप्पा भाणगांवे, कार्यकर्ता, शेतकरी संघटना, मु.पो. हस्सूर	मा. सुप्रिम कोर्टने मा. हरीत लवादाला ज्या गाईडलाईन्स दिलेल्या आहेत त्याप्रमाणे व निकष घालून दिलेले आलेले आहेत त्याप्रमाणे कारखाना चालवावा.
१८)	सौ. ऊर्मिला संजय सुर्यवंशी, आगर माजी सरपंच व विद्यमान सदस्या	श्री. धनंजय चुडमुंगे सांगतात की त्यांच्या बोअरचे पाणी खराब झालेले आहे पण तेच पाणी फिल्टर करून बाटलीबंद करून ते विकतात. दुसरे म्हणजे माझ्या घरासमोरच कारखान्याचे कंपोस्ट यार्ड आहे. पण कारखान्याने चांगली सोय केलेली आहे व झाडे लावलेली आहेत, त्यांची जोपासना केलेली आहे त्यामुळे हवेचे प्रदूषण काढीमात्र होत नाही. कारखान्याने वृक्षारोपणाचे काम अगदी चांगल्या प्रकारे केले आहे.
१९)	श्री. दरगु गोपाळ गावडे, शिरोळ सदस्य पंचायत समिती	कारखान्याने यापुर्वी विस्तारीकरण करताना आवश्यक असेल तेव्हा जनसुनावणी घेतलेली आहे. कारखाना व्यवस्थीत चालू आहे. विस्तारीकरणामुळे शिरोळ गावाला काही त्रास नाही. कारखाना सुरु होता त्यावेळी शिरोळ गावाची १०००० लोकसंख्या होती, ती आता ४०,००० आहे. त्यामुळे कोणालाही कसलीही बाधा झालेली नाही. कारखान्याने ७००० ते ९००० नवीन झाडे लावलेली आहेत व प्रदूषण रोखलेले आहे.
२०)	श्री. शामगोळा पुनगोळा पाटील, जांभळी	पश्चिम महाराष्ट्रामध्ये ऊस हे प्रमुख पिक आहे. हा ऊस जायला १८ महिन्याचा कालावधी लागतो. विस्तारीकरनानंतर हा ऊस १३ ते १४ महिन्यामध्ये जाईल त्यामुळे ४ महिन्याचा अवधी मिळेल त्यामध्ये नांगरणी होवून ऑगस्ट महिन्यामधील लावण चांगल्याप्रकारे होईल. त्यामुळे शेतक-यांना फायदा होईल तसेच उन्हाळ्यामध्ये पाण्याची कमतरता असते ती ही भागेल.
२१)	श्री. महेश बापूसो परीट, माजी सरपंच नांदणी	माझे गाव येथून ५ कि.मी. अंतरावर आहे. कारखान्याकडील ऊस विकास योजना, उपक्रम चांगले आहेत. प्रस्तावित प्रकल्पास आमची काही हरकत नाही.

२२)	श्री. शंकर दुधाळे, रा. अर्जुनवाड, ता. शिरोळ.	कारखान्याच्या सांडपाण्यामुळे एकरी सरासरी ९० ते १०० टन इतका ऊस पिकतो. त्या पाण्यामुळे आम्हाला काही त्रास नाही.
२३)	श्री. के.ए.संकपाळ, शिरोळ	मी कारखाना परिसरात राहतो. विस्तारवाढीमुळे पर्यावरणावर कोणताही परिणाम होणार नाही. तसेच गेली १० वर्षे कारखान्याचे पाणी माझ्या शेतीसाठी वापरतो. त्याचा माझ्या शेतीवर कोणताही फरक पडला नाही.
२४)	श्री. रणजितसिंह दिलीपराव माने-पाटील, रा. शिरोळ.	माझी कारखान्याजवळ ४० एकर शेती आहे. कारखान्यासमोर माझा बंगला आहे. कारखान्याने दिलेले पाण्याचे सँम्पलचे अहवाल शेडशाळ या कारखान्यापासून १० कि.मी. अंतरावरील गावाचे आहे. सहविज निर्मितीस आमचा विरोध नाही. सहा महिने शिरोळ गाव व आजुबाजुची १० गावे यांच्या आरोग्याशी खेळत आहेत. शिरोळमधील पाण्याची टेस्ट आम्ही घेतलेली आहे त्यांनी शिरोळमधील पाण्याचा टेस्ट घेतल्याचा रिपोर्ट वाचून दाखविला. आमच्या पाण्याची कंडकटीवीटी, टोटल हार्डनेस, क्लोराईडस, सल्फेट्स हे विहित मर्यादेपेक्षा जास्त आहेत. हे पाणी पिण्यासाठी किंवा शेतीसाठी योग्य नाही असे त्यामध्ये नमूद केलेले आहे. को-जनरेशन कोळशयावर चालवतात. कोळशयामुळे आरोग्यास त्रास होतो. कोळशारेवजी बगेस वापरावा. मा. राष्ट्रीय हरीत लवाद यांच्या व म.प्र.नि. मंडळाच्या नियमाप्रमाणे राहूनच विस्तारीकरण करावे. आम्हाला कळलेले आहे की, कारखान्याने अगोदरच विस्तारीकरण केलेले आहे व आजची जनसुनावणी ही चुकीची आहे. हे सर्व दाखविण्यासाठी चाललेले आहे कारखान्यामध्ये अगोदरच मशिनरी बसविलेल्या आहेत.

डॉ. बी. सुब्बाराव, पर्यावरण सल्लागार यांनी वर उपस्थित केलेल्या मुद्यावर खालीलप्रमाणे खुलासा सादर केला.

कारखान्याकडील प्रदुषणाबाबतचे सर्व अहवाल हे पद्मजा ऐरोबायलॉजीकल लॅबोरेटरी प्रा. लि. ठाणे या पर्यावरण व वने मंत्रालयाची मान्यता प्राप्त केलेल्या लॅबमध्युन तपासणी करून घेतलेले आहेत. हे सह-विज प्रकल्पाचे विस्तारीकरण नाही. या कारखान्याकडे असलेल्या सांडपाणी प्रक्रिया प्रकल्पासारखा प्रकल्प इतर साखर कारखान्याकडे दिसून येत नाही हे आपले भाग्य आहे. कारखान्यातून निघणा-या सांडपाण्यावर योग्य ती प्रक्रिया करून ४० हेक्टर शेतीसाठी पाणी दिलेले असून त्याचे बायलॅटरल ॲंग्रीमेंट आम्ही केलेले आहे. त्या क्षेत्रातून एकरी ११५ टनापर्यंत ऊस उत्पादन झाले असून सरासरी ऊसाचे ४० ते ५० टन उत्पादन होते.

गतवर्षी केंद्रीय प्रदूषण नियंत्रण मंडळाच्या अधिका-यांनी कारखान्यास भेट दिलेली होती. त्यांनी सांडपाणी प्रक्रिया केंद्राची पाहणी केली आहे. त्यांच्यासोबत तसेच अगोदरसुध्दा मी दोन ते तीन वेळा मी कारखान्याचे सांडपाणी वापरत असलेल्या शेतामध्ये जावून आलेलो आहे. सांडपाण्याचे शुध्दीकरण करूनच पाणी शेतीसाठी दिले जाते. हे ऊस उत्पादन पाहिल्यानंतर आपणास कळेल. विना प्रक्रिया केलेले सांडपाणी आम्ही शेतीस देतो असे म्हणणे चुकीचे आहे.

कारखान्याने २९००० झाडे लावून हरितपट्टा विकसीत केलेला आहे. इतर कोणत्याही कारखान्याकडे इतका हरितपट्टा आपणांस दिसून येणार नाही इतका सुंदर हरितपट्टा या कारखान्याने विकसीत केलेला आहे.

टी. ओ. आर. नुसार कारखान्याच्या १० कि.मी परिधाच्या गावातील पाणी, हवा, ध्यनिचे नमुने घेवून त्याची तपासणी नियमानुसार करून रिपोर्ट घेतले आहेत. कारखान्यातून नात्यामध्ये सांडपाणी सोडले जात नाही व म.प्र.नि. मंडळास असे कधीही आढळून आलेले नाही.

यानंतर खालील ग्रामपंचायतींनी त्यांच्या पंचायतीचे मासिक सभेमध्ये कारखान्याच्या विस्तारीकरणास पाठीबा दर्शक मंजूर केलेले ठराव पर्यावरण विषयक जाहीर जनसुनावणीच्या संयोजक यांचेकडे सादर केली.

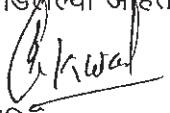
१. ग्रामपंचायत, शिरोळ
२. ग्रामपंचायत, आगर
३. ग्रामपंचायत, धरणगुरुत्ती
४. ग्रामपंचायत कोंडीग्रे
५. ग्रामपंचायत, अर्जुनवाड

तसेच सुनावणीसाठी उपस्थित असलेल्या काही लोकांनी लेखी निवेदने सादर केली.

यानंतर पर्यावरण विषयक जाहीर जनसुनावणीचे मा. अध्यक्षांनी या समितीस प्रस्तावित प्रकल्पास मंजुरी देण्याचा अधिकार नसून केवळ आपले म्हणणे ऐकूण जनसुनावणीचे इतिवृत्त शासनास सादर करणे एवढेच आहे व आजच्या पर्यावरण विषयक जाहीर जनसुनावणीचा अहवाल शासनाकडे सादर केला जाईल असे सांगितले.

शेवटी मा. अध्यक्षांनी उपस्थितांनी पर्यावरण विषयक जाहीर जनसुनावणी शांततेत पार पाडण्यास सहकार्य केल्याबद्दल आभार मानून जनसुनावणी संपल्याचे जाहीर केले.

प्रस्तावित प्रकल्पाच्या अनुषंगाने म.प्र.नि. मंडळाकडे प्राप्त झालेल्या लेखी निवेदनाच्या प्रति सोबत जोडलेल्या आहेत.


(सौ. इंदिरा गायकवाड)

संयोजक

तथा

उप प्रादेशिक अधिकारी,
म.प्र.नि. मंडळ, कोल्हापूर


(श्री. न. ह. श्रिवांगी)

सदस्य

तथा
प्रादेशिक अधिकारी,
म.प्र.नि. मंडळ, कोल्हापूर


(श्री. संजय शिंदे)

अध्यक्ष

तथा

अपर जिल्हा दंडाधिकारी,
कोल्हापूर

Annexure - V

Addition of Equipment Suitable For 9000 TCD & its Tentative Cost

Sr.No.			Cost In Lacs
01.	Cane Carrier	Extension of width up to 2300mm with 200mm pitch chain, Suitable planetary drive and motor	60
02.	Cane Chopper	New assembly of 54 knives with reduction gear box and motor	20
03	Cane Leveler	New swing type assembly of staled edge knives	25
04	Cane Fibrizer	Modification b adding two more dice and by increasing no of hammers suitable to extended cane Carrier width	20
05	Rake Elevator	Modification of carrier suitable for extended cane carrier width	15
06	Mill No.01	Addition of TUFR roller above the existing TRF	25
07	New Mill	Two roller mill as 6 th mill of size 45" X 90" with suitable planetary gear box and AC VFD drive and rake type elevator	650
08	Addition	of identical pumps for strained & unstrained juice	20
09	Bagasse Elevator	Existing bagasse elevator modification to suit new 6 th mill and replacement of chain by 200mm pitch, 80 T breaking load	25
10	Main Bagasse Carrier	Modification to suit new 6 th mill and replacement of chain by 200mm pitch and 80T breaking load	25
11	Mill House Craine	Modification and extension of gantry suit new 6 th mill	25
		Total-	910

Addition of Equipment Suitable For 9000 TCD & its Tentative Cost

Sr.No.	Equipment Name	Cost In Lacs
01.	Sulphitor/Syrup Tower	40
02.	500 m ² Heating surface Juice heater (4 Nos)	180
03.	400 m ² Heating surface Juice heater (2 Nos)	60
04.	Rj/Sj/Cj Juice Pump (9 Nos)	36
05.	Syrup pump (2 Nos)	6
06.	NK 1500 Cont. C/F Machine (2 Nos)	37.5
07.	10 X 20 Feet Oliver Filter (1 No.)	40
08.	Sul/Clear Juice DCH	75
09.	32 Feet Clarifier	100
	Total-	574

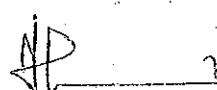
The total tentative cost for additional equipment suitable for 9000TCD is 1484 Lacs.

Steam-

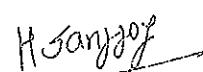
Steam requires for 375 TCH Cane Crushing is 135 T/Hr @ 36 % on cane which is supplied by existing setup of Co-Generation of Capacity 36 MW, having boiler capacity 180 TPH.

Power-

Power required for 375 TCH cane crushing is 9 MW @ 24 kwh/TCH Which is supplied by existing setup of Co-generation having capacity 36 MW.



Chief Chemist



Works Manager