



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\_dattsssk@sancharnet.in, klp.dattsssk@gmail.com

Ref. No. 1285 /MoEF/2022/23

Date: 24/05/2022

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

- Subject:** Six Monthly Compliance Report for the Period of December 2021 to June 2022
- Reference:**
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 (SEIAASTATEMENT-0000000041) SEIAA-MINUTES-0000000450, SEIAA-EC-0000000326, dated-1 June, 2018
  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/II(I) Dtd 11/12/2001.
  3. Environment Clearance for Expansion of Sugarcane crushing capacity from 9000 TCD to 15000 TCD, distillery capacity from 60 KLPD to 90 KLPD (Rectified spirit/ENA/Ethanol) and establishment of 21+5 MW Co-generation Power Plant vide file no SEIAA-EC-0000002257 dated 1<sup>st</sup> June 2020

Dear Sir,

With Reference to the above subject matter reference submitting the environmental status Report and Compliance of environmental Clearance conditions.

However, we may mention that factory expanded sugar factory capacity 9000 TCD to 9500 TCD only without any additional inputs such as Water, Fuel and Effluent Generation for which the Consent to operate is received vide 0000102937/CO-2103001364 dated 22<sup>nd</sup> March 2021.

Thanking You,

Yours faithfully,

(Managing Director)  
Shree Datta SSSK Ltd

**PROFARMA FOR COMPLIANCE OF ENVIRONMENT CLEARANCE CONDITIONS OF SUGAR UNIT**

1. Period of Submission of half yearly Compliance Report	December 2021 to June 2022
2. Air, Water Analysis Data	<b>Annexure I.</b>
3. Current States of the Project	(A) The factory expanded sugar factory capacity from 9000 TCD to 9500 TCD only without any additional inputs such as Water, Fuel and Effluent Generation for which the Consent to operate is received vide 0000102937/CO-2103001364 dated 22 <sup>nd</sup> March 2021.  (B) The factory having distillery capacity of 60 KLPD only for which the Consent to operate is received vide 0000075867/CR-2001000575 dated 7 <sup>th</sup> January 2020 and valid up to 31 <sup>st</sup> August 2024.
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: <a href="mailto:klp.dattsssk@gmail.com">klp.dattsssk@gmail.com</a> Website: <a href="http://www.dattasugar.co.in">www.dattasugar.co.in</a>
5. Legal Status	1) Court Case No.- R.C.C. 247/2018 for excess crushing filed by MPCB 2) Court Case No- 29/20 filed by Shri DastgirBandar in NGT regarding the Environmental Clearance for expansion of Sugar
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.



**Managing Director**  
Shri Datta Shetkari Sahakari Sakhar  
Karkhana Ltd. Post.-Dattanagar-416 120

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

Sr. No.	EC Conditions	Compliance
<b>Specific Conditions:</b>		
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. <b>Annexure-II</b>
2.	PP informed that they have obtained earlier EC vide No.SEIAA-EC-0000000326 dated 01.06.2018, 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. <b>Annexure-III</b>
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. <b>Annexure-IV</b>
4.	PP to submit letter mentioning exact project cost.	<b>Annexure-V</b>
<b>General Conditions:</b>		
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.
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 achieve.	Noted & shall be complied
6.	A stack of adequate height based on DG set capacity shall be provided for control and	The stack height provided for DG set is 6 meter above the

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**Managing Director**

Shri Datta Shetkari Sahakari Sakhar

Karkhana Ltd. Post-Dattanagar-416 120

**Shri Datta Shetkari Sahakari Sakhar Karkhana Ltd.**

	dispersion of pollutant from DG set. (If applicable).	roof level.
7.	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Complied.
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 <b>Annexure-I.</b>
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 <b>Annexure I</b>
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.	The industry planted 44460 trees as per the guidelines of the CPCB for greenbelt development.
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	The only hazardous waste generated is spent oil and

Six Monthly Compliance Report 2022-23



*[Signature]*  
Managing Director

Shri Datta Shetkari Sahakari Sakhar  
Karkhana Ltd. Post.-Dattanagar-416 120

**Shri Datta Shetkari Sahakari Sakhar Karkhana Ltd.**

	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.	disposed as lubricant oil for bullock carts within factory premises.
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.	M Sc. (Environmental Science) is designated as Deputy General Manager and Head of the Environmental Management cell with three chemists and five operators to assist him.
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 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 <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a>	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 <sup>st</sup> June & 1 <sup>st</sup> December of each calendar year.	Submitted regularly and also uploaded on "Parivesh" portal
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	Complied

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**Managing Director**  
**Shri Datta Shetkari Sahakari Sakhar**  
**Karkhana Ltd. Post-Dattanagar-416 120**

	same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral 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.	
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 <sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Submitted regularly.



Managing Director  
Shri Datta Shetkari Sahakari Sakhar  
Karkhana Ltd. Post.-Dattanagar-416 120

**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 Datta 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 filler material. The spent wash composting is carried out on seepage proof concrete 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.
- 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.



**Annexure I**

<b>TEST REPORT</b>	
Report Ref. No. : SEC/Stack-YX/01-22, ZY/02-22, AO/03-22	Nature of Sample: Stack
Name of Industry/Customer: Shri Datta SSSK Ltd.	Sample Collected By: SEC Lab
Address: A/p. Dattanagar – 416120, Tal: Shirol, Dist. Kolhapur	Date of Receipt : 5 <sup>th</sup> Jan 2022, 16 <sup>th</sup> Feb 2022, 7 <sup>th</sup> March 2022
Date of Collection / Sampling : 5 <sup>th</sup> Jan 2022, 16 <sup>th</sup> Feb 2022, 7 <sup>th</sup> March 2022	Report Date: 17 <sup>th</sup> Jan 2022, 27 <sup>th</sup> Feb 2022, 19 <sup>th</sup> March 2022
Name of Sample : <b>Stack Monitoring</b>	

Sr. No.	Parameter	Results			Limit	Method Used
		Jan	Feb	March		
1.	Stack Height (m)	40.0			--	--
2.	Stack Diameter (m)	2.0			--	--
3.	Boiler Capacity (TPH)	10.00			--	--
4.	Fuel Used	Bagasse			--	--
5.	Flue Gas Tem.(°C)	99	99	96		
6.	Flue Gas Velocity (m/sec.)	8.5	8.5	8.2		
7.	P.M.(mg/Nm <sup>3</sup> )	71	69	65	150	IS 11255m(Part 1): 1985, Reaffirmed 2003
8.	NO <sub>x</sub> (mg/Nm <sup>3</sup> )	43	42	41	80	IS-11255 (Part 2): 1985 Reaffirmed 2009
9.	SO <sub>2</sub> (mg/Nm <sup>3</sup> )	22	21	20	80	IS-11255 (Part 7): 2005 Reaffirmed 2012

**Remarks:**

The stack monitoring analysis results indicate that all the parameters are within prescribed limits, indicating the APC performance is satisfactory.



**Managing Director**  
Shri Datta Shetkari Sahakari Sakhar  
Karkhana Ltd. Post.-Dattanagar-416 12C



**TEST REPORT**

Report Ref. No. : SEC/AA-YX/01-22,ZZ/02-22,AO/03-22,BF/0422	Nature of Sample: Air
Name of Industry/Customer: Shri Datta SSK Ltd.	Sample Collected By: SEC Lab
Address: A/p. Dattanagar - 416120, Tal: Shirol, Dist. Kolhapur	Report Date: 17 <sup>th</sup> Jan 2022, 27 <sup>th</sup> Feb 2022, 19 <sup>th</sup> March 2022, 23 <sup>rd</sup> April 2022
Name of Sample : Ambient Air Monitoring	

Sr. No	Sampling Station	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	AQI
<b>NAAQ Standard 2009</b>		<b>100 µg/m<sup>3</sup></b>	<b>60 µg/m<sup>3</sup></b>	<b>80 µg/m<sup>3</sup></b>	<b>80 µg/m<sup>3</sup></b>	
<b>Hours</b>		24hr	24hr.	24hr	24hr	
<b>Sampling Date: 5<sup>th</sup> Jan 2022</b>						
1	Near Sugar factory main gate	72	34	12.0	19.0	72
2	Near ETP plant	70	32	11.0	17.0	70
<b>Sampling Date: 16<sup>th</sup> Feb 2022</b>						
1	Near Sugar factory main gate	79	35	12.0	14.0	79
2	Near ETP plant	76	33	12.70	15.90	76
<b>Sampling Date: 8<sup>th</sup> March 2022</b>						
1	Near Sugar factory main gate	78	34	13.70	16.10	78
2	Near ETP plant	77	34	12.50	15.0	77
<b>Sampling Date: 11<sup>th</sup> April 2022</b>						
1	Near Sugar factory main gate	71	29	12.0	14.0	
2	Near ETP plant	62	24	10.0	12.0	
<b>Mean</b>	Near Sugar factory main gate	75	33	12.43	15.78	
	Near ETP plant	71.25	30.75	11.55	14.98	
<b>Standard Deviation</b>	Near Sugar factory main gate	4.08	2.71	0.85	2.37	
	Near ETP plant	6.90	4.57	1.28	2.15	



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Managing Director  
Shri Datta Shetkari Sahakari Sakhar  
Karkhana Ltd. Post.-Dattanagar-416 120

Shri Datta Shetkari Sahakari Sakhar Karkhana Ltd.

**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 Jan 2022 to March 2022 for the parameters  $PM_{10}$ ,  $PM_{2.5}$ ,  $SO_2$  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 SSK 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 SSK Ltd.

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



Managing Director  
Shri Datta Shetkari Sahakari Sakhar  
Karkhana Ltd. Post.-Dattanagar-416 #20

**TEST REPORT**

Report Ref. No. :SEC/ W-YX/01-22,ZZ/02-22,AO/03-22	Report Date : 17 <sup>th</sup> Jan 2022, 27 <sup>th</sup> Feb 2022, 19 <sup>th</sup> March 2022
Name of Industry/Customer: Shri Datta SSSK Ltd., Dattanagar.	Lab ID/Sample Ref. No. : YX3,ZY6, AO4
Address: Dattanagar - 416120, Tal: Shirol,Dist. Kolhapur.	Nature of Sample: Water
Date of Collection / Sampling : 5 <sup>th</sup> Jan 2022, 16 <sup>th</sup> Feb 2022, 7 <sup>th</sup> March 2022	Sample Collected By: SEC Lab
Date of Receipt : 5 <sup>th</sup> Jan 2022, 16 <sup>th</sup> Feb 2022, 7 <sup>th</sup> March 2022	Sample Quantity : 1 lit
Name of Sample : Sugar ETP Inlet	

Sr. No.	Test Parameter	Result			Unit	Test Method
		Jan	Feb	March		
1	pH	4.69	4.96	4.02	-	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	3294	3088	4959	mg/l	IS:3025 (P-58) 2006
3	B.O.D. ( 3 days at 27°C)	1370	1261	2035	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	2790	2520	2950	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	350	345	510	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl <sup>-</sup>	334	318	396	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO <sub>4</sub>	190	189	236	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	10	10	10	mg/l	IS:3025 (P-39) 1991 (RA 2003)



*[Signature]*  
**Managing Director**  
 Shri Datta Shetkari Sahakari Sakhar  
 Karkhana Ltd. Post.-Dattanagar-416 120

**TEST REPORT**

Report Ref. No. :SEC/ W-YX/01-22,ZZ/02-22,AO/03-22	Report Date : 17 <sup>th</sup> Jan 2022, 27 <sup>th</sup> Feb 2022, 19 <sup>th</sup> March 2022
Name of Industry/Customer: Shri Datta SSSK Ltd., Dattanagar.	Lab ID/Sample Ref. No. : YX4,ZY7, AO5
Address: Dattanagar – 416120, Tal: Shirol,Dist. Kolhapur.	Nature of Sample: Water
Date of Collection / Sampling : 5 <sup>th</sup> Jan 2022, 16 <sup>th</sup> Feb 2022, 7 <sup>th</sup> March 2022	Sample Collected By: SEC Lab
Date of Receipt : 5 <sup>th</sup> Jan 2022, 16 <sup>th</sup> Feb 2022, 7 <sup>th</sup> March 2022	Sample Quantity : 1 lit
Name of Sample : Sugar ETP outlet	

Sr. No.	Test Parameter	Result			Unit	Test Method
		Jan	Feb	March		
1	pH	7.79	7.74	7.38	-	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	115	118	104	mg/l	IS:3025 (P-58) 2006
3	B.O.D. ( 3 days at 27°C)	35	37	33	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	470	460	450	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	45	44	47	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl <sup>-</sup>	102	105	103	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO <sub>4</sub>	69	68	65	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	ND	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

**Remark:**

The outlet concentrations are within prescribed limits of CPCB.



Managing Director  
Shri Datta Shetkari Sahakari Sakhar  
Karkhana Ltd. Post.-Dattanagar-4 16 120

**TEST REPORT**

Report Ref. No. :SEC/ W-YX/01-22,ZZ/02-22,AO/03-22	Report Date : 17 <sup>th</sup> Jan 2022, 27 <sup>th</sup> Feb 2022, 19 <sup>th</sup> March 2022
Name of Industry/Customer: Shri Datta SSSK Ltd., Dattanagar.	Lab ID/Sample Ref. No. : YX6,ZY4, AO8
Address: Dattanagar – 416120, Tal: Shirol,Dist. Kolhapur.	Nature of Sample: Water
Date of Collection / Sampling : 5 <sup>th</sup> Jan 2022, 16 <sup>th</sup> Feb 2022, 7 <sup>th</sup> March 2022	Sample Collected By: SEC Lab
Date of Receipt : 5 <sup>th</sup> Jan 2022, 16 <sup>th</sup> Feb 2022, 7 <sup>th</sup> March 2022	Sample Quantity : 1 lit
Name of Sample :Condensate Outlet	

Sr. No.	Test Parameter	Result			Unit	Test Method
		Jan	Feb	March		
1	pH	8.07	8.01	7.94	-	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	122	119	123	mg/l	IS:3025 (P-58) 2006
3	B.O.D. ( 3 days at 27°C)	31	30	34	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	95	90	95	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	ND	ND	ND	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl	10	8	10	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO <sub>4</sub>	7	5	5	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	ND	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)



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**Managing Director**  
 Shri Datta Shetkari Sahakari Sakhar  
 Karkhana Ltd. Post.-Dattanagar-416 120

**TEST REPORT**

Report Ref. No. : SEC/ W-YX/01-22,ZZ/02-22,AO/03-22	Report Date : 17 <sup>th</sup> Jan 2022, 27 <sup>th</sup> Feb 2022, 19 <sup>th</sup> March 2022
Name of Industry/Customer: Shri Datta SSSK Ltd., Dattanagar.	Lab ID/Sample Ref. No. : YX5,ZY5, AO9
Address: Dattanagar – 416120, Tal: Shirol,Dist. Kolhapur.	Nature of Sample: Water
Date of Collection / Sampling : 5 <sup>th</sup> Jan 2022, 16 <sup>th</sup> Feb 2022, 7 <sup>th</sup> March 2022	Sample Collected By: SEC Lab
Date of Receipt : 5 <sup>th</sup> Jan 2022, 16 <sup>th</sup> Feb 2022, 7 <sup>th</sup> March 2022	Sample Quantity : 1 lit
Name of Sample :Spraypond Overflow	

Sr. No.	Test Parameter	Result			Unit	Test Method
		Jan	Feb	March		
1	pH	7.54	7.63	7.51	-	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	290	370	263	mg/l	IS:3025 (P-58) 2006
3	B.O.D. ( 3 days at 27°C)	85	91	82	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	670	895	830	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	105	120	105	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl <sup>-</sup>	88	96	92	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO <sub>4</sub>	142	151	147	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	ND	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)



*[Handwritten Signature]*

**Managing Director**  
 Shri Datta Shetkari Sahakari Sakhar  
 Karkhana Ltd. Post.-Dattanagar-416 120

**TEST REPORT**

Report Ref. No. :SEC/ W-YX/01-22,ZZ/02-22, AO/03-22,BF/04-22	Report Date : 17 <sup>th</sup> Jan 2022, 27 <sup>th</sup> Feb 2022, 19 <sup>th</sup> March 2022, 23 <sup>rd</sup> April 2022
Name of Industry/Customer: <b>Shri Datta SSSK Ltd., Dattanagar.</b>	Lab ID/Sample Ref. No. : YX1,ZY1, AO1,BF1
Address: Dattanagar – 416120, Tal: Shirol,Dist. Kolhapur.	Nature of Sample: Water
Date of Collection / Sampling : 5 <sup>th</sup> Jan 2022, 16 <sup>th</sup> Feb 2022, 7 <sup>th</sup> March 2022,11 <sup>th</sup> April 2022	Sample Collected By: SEC Lab
Date of Receipt : 5 <sup>th</sup> Jan 2022, 16 <sup>th</sup> Feb 2022, 7 <sup>th</sup> March 2022, 12 <sup>th</sup> April 2022	Sample Quantity : 1 lit
Name of Sample : <b>Raw Spentwash</b>	

Sr. No.	Test Parameter	Unit	Result				Test Method
			Jan	Feb	March	April	
1	pH	-	2.69	2.72	2.60	3.49	IS:3025 (P-11) 1983
2	C.O.D	mg/l	1,39,672	1,34,690	1,95,917	1,79,530	IS:3025 (P-58) 2006
3	B.O.D	mg/l	58,360	57,110	82,325	74,165	IS:3025 (P-44) 1993
4	Total Solids	mg/l	2,10,940	2,05,480	2,94,730	2,41,360	APHA 22 <sup>nd</sup> Edition- 2012, 2540 B
5	Total Volatile Solids	mg/l	1,17,890	1,12,650	1,89,280	1,55,790	APHA 22 <sup>nd</sup> Edition- 2012, 2540-E,G
6	Total Inorganic Solids	mg/l	93,050	92,830	1,05,450	85,570	APHA 22 <sup>nd</sup> Edition- 2012, 2540 C
7	Chlorides	mg/l	11,062	10,931	12,184	11,568	IS:3025 (P-32) 1988
8	Sulphates	mg/l	7729	7698	8255	8170	IS:3025 (P-24) 1986
9	K	mg/l	16,100	15,800	18,200	16,600	IS:3025 (P-45) 1993



*[Signature]*  
**Managing Director**  
 Shri Datta Shetkari Sahakari Sakhar  
 Karkhana Ltd. Post.-Dattanagar-416 120

**TEST REPORT**

Report Ref. No. :SEC/ W-YX/01-22,ZZ/02-22, AO/03-22,BF/04-22	Report Date : 17 <sup>th</sup> Jan 2022, 27 <sup>th</sup> Feb 2022, 19 <sup>th</sup> March 2022, 23 <sup>rd</sup> April 2022
Name of Industry/Customer: <b>Shri Datta SSSK Ltd., Dattanagar.</b>	Lab ID/Sample Ref. No. : YX2,ZY2, AO2,BF2
Address: Dattanagar – 416120, Tal: Shirol,Dist. Kolhapur.	Nature of Sample: Water
Date of Collection / Sampling : 5 <sup>th</sup> Jan 2022, 16 <sup>th</sup> Feb 2022, 7 <sup>th</sup> March 2022,11 <sup>th</sup> April 2022	Sample Collected By: SEC Lab
Date of Receipt : 5 <sup>th</sup> Jan 2022, 16 <sup>th</sup> Feb 2022, 7 <sup>th</sup> March 2022, 12 <sup>th</sup> April 2022	Sample Quantity : 1 lit
Name of Sample : Spentlees Plant No.1	

Sr. No.	Test Parameter	Unit	Result				Test Method
			Jan	Feb	March	April	
1	pH	-	2.92	2.89	2.82	3.44	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	mg/l	124	129	145	125	IS:3025 (P-58) 2006
3	B.O.D. ( 3 days at 27°C)	mg/l	52	53	69	61	IS:3025 (P-44) 1993
4	Total Dissolved Solids	mg/l	155	145	150	130	IS:3025(P-16)1984
5	Total Suspended Solids	mg/l	ND	ND	ND	ND	IS:3025 (P-17) 1984
6	Chloride as Cl <sup>-</sup>	mg/l	18	17	21	17	IS:3025 (P-32) 1988
7	Sulphate as SO <sub>4</sub>	mg/l	12	9	10	9	IS:3025 (P-24) 1986
8	Oil & Grease	mg/l	ND	ND	ND	ND	IS:3025 (P-39) 1991 (RA 2003)



*[Signature]*  
**Managing Director**  
 Shri Datta Shetkari Sahakari Sakhar  
 Karkhana Ltd. Post.-Dattanagar-416 120



**TEST REPORT**

Report Ref. No. :SEC/ W-YX/01-22,ZZ/02-22, AO/03-22,BF/04-22	Report Date : 17 <sup>th</sup> Jan 2022, 27 <sup>th</sup> Feb 2022, 19 <sup>th</sup> March 2022, 23 <sup>rd</sup> April 2022
Name of Industry/Customer: <b>Shri Datta SSSK Ltd., Dattanagar.</b>	Lab ID/Sample Ref. No. : YX3,ZY3, AO3,BF3
Address: Dattanagar – 416120, Tal: Shirol,Dist. Kolhapur.	Nature of Sample: Water
Date of Collection / Sampling : 5 <sup>th</sup> Jan 2022, 16 <sup>th</sup> Feb 2022, 7 <sup>th</sup> March 2022,11 <sup>th</sup> April 2022	Sample Collected By: SEC Lab
Date of Receipt : 5 <sup>th</sup> Jan 2022, 16 <sup>th</sup> Feb 2022, 7 <sup>th</sup> March 2022, 12 <sup>th</sup> April 2022	Sample Quantity : 1 lit
Name of Sample : <b>Spentlees Plant No.2</b>	

Sr. No.	Test Parameter	Unit	Result				Test Method
			Jan	Feb	March	April	
1	pH	-	3.04	3.07	2.96	3.19	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	mg/l	110	118	128	106	IS:3025 (P-58) 2006
3	B.O.D. ( 3 days at 27°C)	mg/l	51	52	57	52	IS:3025 (P-44) 1993
4	Total Dissolved Solids	mg/l	130	130	140	115	IS:3025(P-16)1984
5	Total Suspended Solids	mg/l	ND	ND	ND	ND	IS:3025 (P-17) 1984
6	Chloride as Cl <sup>-</sup>	mg/l	18	15	17	15	IS:3025 (P-32) 1988
7	Sulphate as SO <sub>4</sub>	mg/l	10	8	9	7	IS:3025 (P-24) 1986
8	Oil & Grease	mg/l	ND	ND	ND	ND	IS:3025 (P-39) 1991 (RA 2003)



  
**Managing Director**  
 Shri Datta Shetkari Sahakari Sakhar  
 Karkhana Ltd. Post.-Dattanagar-416 120

**NOISE LEVEL MEASUREMENT REPORT**

Report Ref. No. : SEC/NL-YX/01-22	End of Analysis : 15 January 2022
Name of Industry/Customer: <b>Shri Datta Shetkari SSK Ltd., Dattanagar.</b>	Report Date : 17 January 2022
Address: Dattanagar – 416120, Tal: Shirol, Dist. Kolhapur.	Lab ID/Sample Ref. No. : YX-NL
Date of Collection / Sampling : 05 January 2022	Nature of Sample: Noise Level
Date of Receipt : 05 January 2022	Sample Collected By: SEC Lab

Sr. No.	Location of recording Sound level	Standard Limit dB (A) Leq	Time	dB (A) Leq
1.	Near Sugar Main Gate	75	Day	56.2
		70	Night	50.7
2.	Near Weigh Bridge	75	Day	68.4
		70	Night	63.9
3.	Near Cane Cutter	75	Day	69.1
		70	Night	67.6
4.	Near Sugar Mill House	75	Day	71.2
		70	Night	69.7
5.	Near Sugar Boiler House	75	Day	71.8
		70	Night	69.1
6.	Near Sugar ETP Plant	75	Day	60.9
		70	Night	57.5
7.	Near Distillery Gate	75	Day	59.3
		70	Night	55.7
8.	Near Urjankur Gate	75	Day	58.4
		70	Night	52.2
9.	Near Compost Site	75	Day	59.0
		70	Night	51.4
10.	Near General Office	75	Day	52.1
		70	Night	42.8

**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.



*[Signature]*  
**Managing Director**  
 Shri Datta Shetkari Sahakari Sakhar  
 Karkhana Ltd. Post.-Dattanagar-416 120



**TEST REPORT**

Report Ref. No. : SEC/C-YX/01-22, ZY/02-22,AO/03-22	Report Date : 17 <sup>th</sup> January 2022, 27 <sup>th</sup> Feb 2022, 16 <sup>th</sup> March 2022
Name of Industry/Customer: <b>Shri Datta Shetkari SSK Ltd., Dattanagar.</b>	Lab ID/Sample Ref. No. : YX11,ZY11, AO11,
Address: Dattanagar – 416120, Tal: Shirol, Dist. Kolhapur.	Nature of Sample: Compost
Date of Collection / Sampling : 05 <sup>th</sup> January 2022, 16 <sup>th</sup> Feb 2022, 8 <sup>th</sup> March 2022	Sample Collected By: SEC Lab
Date of Receipt : 05 <sup>th</sup> January 2022,	Sample Quantity : 1 kg
Name of Sample : <b>Ready Compost</b>	

Sr. No.	Test Parameter	Result			Unit	Standards
		Jan	Feb	March		
1	Moisture	33.29	31.47	30.96	%	< 35
2	pH (Saturated)	6.57	6.55	6.53	--	6.5 – 8.5
3	Total Volatile Solids	62.16	61.21	61.73	%	60 – 65
4	Residual Ash	37.84	38.79	38.27	%	40 – 45
5	Nitrogen as N	1.59	1.62	1.64	%	>2.0
6	Phosphorus as P2O5	1.91	1.93	1.95	%	>0.50
7	Potassium as K2O	2.85	3.17	3.15	%	>3.0
8	Organic Carbon	26.41	27.21	27.28	%	20 – 30
9	C/N	16.61	16.79	16.63	--	< 17
<b>Leachate Water (Filtrate)</b>						
10	pH	7.73	7.71	7.68	--	6.5 – 8.5
11	C.O.D.	210	212	210	mg/l	< 250
12	B.O.D.	23	22	21	mg/l	< 30
13	Chlorides	278	269	256	mg/l	< 600
14	E. Conductivity	1410	1370	1350	µmhos/cm	< 2100



  
**Managing Director**  
 Shri Datta Shetkari Sahakari Sakhar  
 Karkhana Ltd. Post.-Dattanagar-416 120

**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)	Industry
2.	Name of the Project	<p>The industry received Environment Clearance for Proposed Expansion of Sugarcane crushing capacity from 9000 TCD to 15000 TCD, Distillery capacity from 60 KLPD to 90 KLPD (Rectified Spirit/ENA/Ethanol) and establishment of 21 + 5 MW Co-generation Power Plant at Dattanagar, Tal. Shirol, Dist. Kolhapur, Maharashtra by Shree Datta Shetkari Sahakari Sakhar Karkhana Limited Environment Clearance is awarded- SEIAA-EC-0000002257 dated 1<sup>st</sup> June 2020. The industry expanded the sugarcane crushing capacity from 9000 TCD to 9500 TCD only, distillery capacity remains same as 60 KLPD and co-generation power plant is at yet to be established.</p> <p><b>Name of Previous Project-</b></p> <p>1. 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/II(I) Dtd 11/12/2001.</p> <p>2. 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 (SEIAASTATEMENT-0000000041) SEIAA-MINUTES-0000000450, SEIAA-EC-0000000326, dated-1 June, 2018.</p>
3.	Clearance Letter (s) / OM No. and date	SEIAA-EC-0000002257 Dated- 1 <sup>st</sup> June 2020
4.	Location	At Dattanagar, Tal. Shirol, Dist. Kolhapur, Maharashtra by Shree Datta Shetkari Sahakari Sakhar Karkhana Limited
	a. District (s)	a. Kolhapur
	b. State (s)	b. Maharashtra
	c. Latitude	c. 16 45'N
	d. Longitude	d. 74 36'E
5.	Address for correspondence	
	a. Address of concerned Project Chief Engineer (with Pin Code &	Managing Director:- Shree Datta Shetkari Sahakari sakhar Karkhana Ltd.,



**Managing Director**  
**Shri Datta Shetkari Sahakari Sakhar**  
**Karkhana Ltd. Post.-Dattanagar-416 12Q**

	Telephone/ Telex/ Fax Numbers) & Address of Executive Project Engineer / Manager (with pin code/fax numbers)	Shirol, Post-Dattanagar, 416120 Tal-Shirol, Dist-Kolhapur Tel No.: (02322) 236551 (6 lines) Fax. No.- (02322) 236600
6.	Salient features	
a.	Of the Project	The factory expanded sugar factory capacity 9000 TCD to 9500 TCD only for which the Consent to operate is received vide 0000102937/CO-2103001364 dated 22 <sup>nd</sup> March 2021. The factory having distillery capacity of 60 KLPD only for which the Consent to operate is received vide 0000075867/CR-2001000575 dated 7 <sup>th</sup> January 2020 and valid up to 31 <sup>st</sup> August 2024.
b.	Of the Environmental Management Plan	1. The industry has its own land of 854600 Sq. m. out of which 293916.82 sq.m. of land is utilized for Green belt development. 2. Rainwater harvesting is already implemented & collected in a pond & used for process/green belt development after treatment. 3. The industry has undertaken a number of social and cultural activities to the nearby local population and proposes to reserve 1.0 % of the capital cost of the project as CSR activities. 4. The industry has provided online monitoring system and connected to CPCB/MPCB servers. 5. The raw spentwash generated shall be treated based on concentration in MEE followed by composting in order to achieve the Zero Liquid Discharge.
7.	Breakup of the Project area	
a.	Submergence Area: Forest & Non b. Forest	Not Applicable.
b.	Others	
a.	Total Plot Area	85.46 Ha (Out of which the industry has sold 0.60 Ha of land to Datta Bhandar, 7.57 Ha of land to Educational trust & 15.25 Ha land is given on lease to Urjankr shree datta power ltd. The maintenance of the area & green belt development shall be carried out by Shree Datta SSSK Ltd. Thus the total area available with Datta SSSK ltd is only 62.04 hectares.
b.	Built - Up Area (Including Road)	22.11 Ha
c.	Open Space available	0.48 Ha
d.	Green belt area	29.64 ha
8.	Breakup 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	Not Applicable.
a.	SC, ST/Adivasis	
b.	Others	
	(Please indicate whether these figures are based on any scientific and systematic survey carried out	



*[Handwritten Signature]*

	or only provisional figures, if a survey carried out gives details and years of survey.)	
9.	Financial Details	
a.	Project costs as originally planned & subsequent revised estimates and the year of price reference.	Sugar - 151.16 Crores & Distillery - 26.3022 Crores
b.	Allocations made for Environmental Management Plan with item wise & year wise breakup.	The expansion project is yet to be commissioned. The budget allocation for EMP is 35.5 Crores.
c.	Benefit Cost Ratio / Internal rate of Return and the year of assessment	Not Applicable
d.	Whether (c) includes the cost of Environmental Management as shown in the above.	No
e.	Actual expenditure incurred on the Project so far	Nil
f.	Actual expenditure incurred on the Environmental Management Plan so far	Nil
10.	Forest land requirement	Nil
a.	The status of approval for diversion of Forestland for non-forestry use	
b.	The Status of clearing felling	
c.	The status of compensatory Afforestation programme 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	Not Applicable.
12.	Status of construction	Not Yet started Not Applicable
a.	Date of commencement (Actual and/or Planned)	
b.	Date of completion (Actual and/or Planned)	
13.	Reasons for the delay if the project is yet to start	Project approvals are still pending.
14.	Dates of site visits	24/09/2021
a.	The dates on which the Project was monitored by Regional Office on previous occasions, if any	
b.	Date of site visit for this monitoring Report	
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)	Enclosed



  
**Managing Director**  
 Shri Datta Shetkari Sahakari Kar. Ltd.  
 Parkhona Ltd. Post.-Dattanagar-416 121.





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/RO/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,  
Allganj, 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:

Water quality monitoring location need to be increased by considering sugar plant, distillery and in plant. Monitoring frequency shall be fixed as once in a month.



For Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd; Shirol

Managing Director

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-11011/73/2001-1A II(Q) 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 <sup>th</sup> 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 office regularly.
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\_PUBLIC\_HEARING\_COMPLIANCE/10

For Shree Datta Svetkar, Shakti Sakhar Karkhana Ltd, Shirol

Managing Director



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 (MAHARASHATRA STATE)

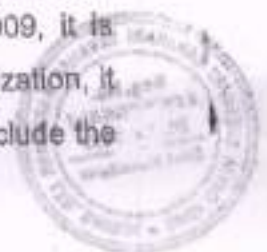
Public hearing for proposed expansion of sugar cane crushing capacity from 7500 TCD to 9000 TCD in respect of M/s. Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd., Shirol, Post: Dattanagar, Tal: Shirol, Dist: Kolhapur was held on 10.11.2016 at 11.00 AM at Late Dattajirao Kadam Kamgar Kalyan Mandal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

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

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

For Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd, Shirol

Managing Director



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 m<sup>3</sup> water per day out of which 100 m<sup>3</sup> utilized for domestic use and 800 m<sup>3</sup> water used for distillery. Karkhana lifts all required water from Panchaganga river. Sugar factory recycles approx. 1500 m<sup>3</sup> 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 (USDPCCL) 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.

USDPCCL has established a boiler of capacity 180 ton and 110 kg per cm<sup>2</sup> 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.  
For Shree Datta Shetkari Shakari Sakhar, Karkhana Ltd, Shirol



Managing Director

Managing Director

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 Koll, 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.



For Shree Datta Shetkari Sakhari Sakhar Karkhana Ltd, Shirur

Managing Director

	<p>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.</p>
--	--



For Shree Datta Sugarcane Growers' Cooperative Societies Ltd, Chik...

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 object 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,



For Shree Datta Shetkari Shakari Sakhar Karkhana Ltd Shirol

Managing Director



discharged into nallahs. 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.

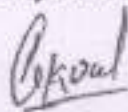
- 1 Grampanchayat, Shirol
- 2 Grampanchayat, Agar
- 3 Grampanchayat, Dharangutti
- 4 Grampanchayat, Arjunwad
- 5 Grampanchayat, Kondigre

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

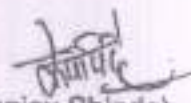
Hon'ble Chairman informed that this public hearing committee has no power to grant permission to the proposed project. It only conducts the public hearing and submits minutes of the meeting to the Government for further decision. Accordingly, the minutes of this public hearing will be submitted to the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



For Shree Datta Shetkar Shikari Sakhar Karkhana Ltd; Shirol

  
Managing Director



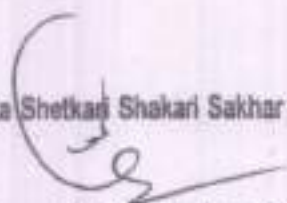
Annexure - V

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 stalled 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 TUFRRoller above the existing TRF	25
07	New Mill	Two roller mill as 6 <sup>th</sup> 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 <sup>th</sup> mill and replacement of chain by 200mm pitch, 80 T breaking load	25
10	Main Bagasse Carrier	Modification to suit new 6 <sup>th</sup> mill and replacement of chain by 200mm pitch and 80T breaking load	25
11	Mill House Crane	Modification and extension of gantry suit new 6 <sup>th</sup> mill	25
<b>Total-</b>			<b>910</b>



For Shree Datta Shetkar Shakar Sakhar Karkhana Ltd; Shiror

  
Managing Director



Managing Director

**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 <sup>2</sup> Heating surface Juice heater (4 Nos)	180
03.	400 m <sup>2</sup> 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
	<b>Total-</b>	<b>574</b>

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.

*AD*

**Chief Chemist**

*H. Sangar*

**Works Manager**

For Shree Datta Shetkar Shakari Sakhar Karkhana Ltd; Shi

Managing Director



For Shree Datta Shetkar Shakari Sakhar Karkhana Ltd; Shi

*[Signature]*  
**Managing Director**



सत्यमेव जयते

## STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,  
Room No. 217, 2nd floor,  
Mantralaya, Annexe,  
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, 217, 903, 129, 133/2, 135, 134, 136, 210, 213, 214, 230, 229,  
232 TO 237, 242, 246+241, 247 TO 249, 127 AND 131

**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 in its 138<sup>th</sup> 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 130<sup>th</sup> meetings.  
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. Subbe 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-1
8.Location of the project	AGAR BAGH- 343 TO 352, 354, 361 SHIROL- 251, 252, 217, 903, 129, 133/2, 135, 134, 136, 210, 213, 214, 230, 229, 232 TO 237, 242, 246+241, 247 TO 249, 127 AND 131
9.Taluka	SHIROL
10.Village	DATTANAGAR
11.Whether in Corporation / Municipal / other area	OTHER AREA
12.IOD/IOA/Concession/Plan Approval Number	NOT APPLICABLE IOD/IOA/Concession/Plan Approval Number: NOT APPLICABLE Approved Built-up Area:
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

SEIAA Meeting No: 130 Meeting Date: May 25, 2018 ( SEIAA-STATEMENT-0000000041 )  
SEIAA-MINUTES-0000000450  
SEIAA-EC-0000000326

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Shri. Anil Diggikar (Member Secretary SEIAA)

18 (b). Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
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	10087.5
4	MOLASSESS	8400	1687.5	10087.5
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
Wet season:	Source of water	Not applicable
	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)		
	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

<b>25. Rain Water Harvesting (RWH)</b>	Level of the Ground water table:	5m
	Size and no of RWH tank(s) and Quantity:	1 TANK- 34 X 50 X 2.5 m- 5100 CUM
	Location of the RWH tank(s):	NEAR GARDEN AREA
	Quantity of recharge pits:	0
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 5 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 50,000
	Details of UGT tanks if any :	NIL

<b>26. Storm water drainage</b>	Natural water drainage pattern:	SURFACE RUNOFF
	Quantity of storm water:	4160 CUM
	Size of SWD:	1 X 0.5 X 0.5m

<b>27. Sewage and Waste water</b>	Sewage generation in KLD:	80
	STP technology:	Septic Tank Followed by ETP
	Capacity of STP (CMD):	1 - 700 CUM
	Location & area of the STP:	Along with Process Effluent
	Budgetary allocation (Capital cost):	Rs. 1 Crores including process ETP
	Budgetary allocation (O & 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
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	Mixed with bagasse and burnt in Boiler
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used for Composting
	Others if any:	NA
Area requirement:	Location(s):	Dattanagar, Shirol.
	Area for the storage of waste & other material:	45 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 Maharashtra

### 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		Anaerobic Digestion followed by Aerobic			
Disposal of the ETP sludge		Manure			



# 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 Boiler.

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		
<b>Power requirement:</b>	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):	11 MW
	During Operation phase (Demand load):	10 MW
	Transformer:	VOLTAM- 2000 KVA
	DG set as Power back-up during operation phase:	500 KVA- 1 NOS.
	Fuel used:	DIESEL
	Details of high tension line passing through the plot if any:	YES, 33 KV

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 (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month 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.	Yes
	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 lifting water from the river. PP to comply with all terms and conditions mentioned in the agreement.
II	PP informed that they have obtained earlier EC vide No. J-11011/33/2001-IA-III(I) dated 11.12.2007; 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.
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 adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
VII	A detailed 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 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.
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 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 <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a>
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 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.
XXIII	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely, SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral 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 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.
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. Anil Diggikar (Member Secretary SEIAA)

**Copy to:**

1. SECRETARY MOEF & CC
2. IA- DIVISION MOEF & CC
3. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
4. REGIONAL OFFICE MOEF & CC NAGPUR
5. MUNICIPAL COMMISSIONER KOLHAPUR
6. REGIONAL OFFICE MPCB KOLHAPUR
7. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
8. COLLECTOR OFFICE KOLHAPUR
9. COLLECTOR OFFICE SANGLI

# Government of Maharashtra