



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

klp.dattsssk@gmail.com

Ref.No. 4889 /MoEF-Comp/2024

Date: 07/12/2024

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 reporting period of 1st December 2024 (1st Apr 2024 to 30th Sept 2024)
Reference: 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) & establishment of 21+5 MW Co-generation Power Plant vide file no SEIAA-EC-0000002257 dated 1st June 2020.

Dear Sir,

With Reference to the above subject matter we are submitting the environmental status Report and Compliance of environmental Clearance conditions. However, we may mention that industry expanded sugar factory capacity from 9000 TCD to 12000 TCD only and distillery unit from 90 KLPD to 135 KLPD under change in product mix (No Increase in Pollution load) & 2.5 MW Incineration Boiler.

Thanking You.

Yours faithfully,
For Shri Datta S.S.S.K.Ltd., Shirol

(M.V.Patil)
Managing Director

CC:

- 1) The Regional Office
Maharashtra Pollution Control Board
Udyog Bhavan Building, Near Collectarate Office, Kolhapur - 416 002
- 2) The Sub- Regional Office
Maharashtra Pollution Control Board
Udyog Bhavan Building, Near Collectarate Office, Kolhapur - 416 002

Shree Datta Shetakari Sahakari Sakhar Karkhana Ltd.

**HALF YEARLY / SIX MONTHLY COMPLIANCE REPORT
FOR THE REPORTING PERIOD OF 1ST DECEMBER 2024
(1ST APR 2024 TO 30TH SEPT 2024)**

Six Monthly Compliance Report

Shree Datta Shetakari Sahakari Sakhar Karkhana Ltd.

Shree Datta Shetakari Sahakari Sakhar Karkhana Ltd, Dattanagar Shirol

- Date of Commencement of project for Sugar: 15.07.2022
- Date of Commencement of project for Distillery: 05-09.2023
- Area of Project in Ha: 85.46 Ha

Sr. No.	Conditions	Attachment	Annexure	Page No.
1	For Greenbelt	1) No. of plants -44000 2) Funds incurred – 10 Lakh 3) Attach Photos of existing greenbelt	Annexure-1	1-1
2	Arrangements for installation of continuous online monitoring system (24x7 monitoring device)	Photos and-details of monitoring for all the six months	Annexure-2	2-2
3	Environment Management Cell	Details of Environment Cell	Annexure-3	3-3
4	PP to ensure that CER plan gets approved from Municipal Commissioner/District Collector	1) Approval letter 2) Funds incurred so far and details of expenditure incurred for task	Annexure-4	4-5
5	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.	Health records of the workers	Annexure-5	6-11
6	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.	Details of health certificate/ Details of regular checkup of workers/ Certificates and reports if any	Annexure-5	6-11
7	Proper Housekeeping programmers shall be implemented	Photographs	Annexure-6	12-12
8	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Design details along with Photos of Rainwater harvesting system and storage tank	Annexure-7	13-26
9	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	1) Photos of storage of Hazardous waste i.e. spent oil if any 2) Disposal proof of the authorized vendors	Annexure-8	27-27
10	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes	Photos / records	Annexure-9	28-33
11	Water lifting permission	Details of water lifting permission from the	Annexure-10	34-36

Six Monthly Compliance Report



Managing Director
Shree Datta Shetakari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tel. Shirol, Dist. Kolhapur, M.S.

Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd.

Sr. No.	Conditions	Attachment	Annexure	Page No.
		competent authority		
12	Earlier MoEF's regional office Nagpur/Bangalore 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.	Send details	Annexure-11	37-57
13	PP to submit copy of point wise reply to the issues raised in Public Hearing and the Compliance.	Send Compliance	Annexure-12	58-68
14	PP to submit letter mentioning exact project cost.	Send details	Annexure-13	69-70
15	Arrangement shall be made that effluent and storm water does not get mixed.	Photographs	Annexure-14	71-71
16	Periodic monitoring of ground water shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the respective State Pollution Control Board.	Analysis reports	Annexure-15	72-83
17	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.	Analysis report	Annexure-16	76-76
18	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.	Photographs of Leak detection device and any other	Annexure-17	84-84
19	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling	Details and photographs of fire extinguisher	Annexure-18	85-89
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	Send copies	Annexure-19	90-90

Six Monthly Compliance Report




Managing Director

Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post Daltanagar
Tal. Shirol, Dist. Kolhapur.

Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd.

Sr. No.	Conditions	Attachment	Annexure	Page No.
	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			
21	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	Send Letter	Annexure-20	91-91
22	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 sectorial 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.	Website details shall be attached	Annexure-21	92-97
23	Photos of ETP/STP/CPU	Photographs	Annexure- 22	98-104

Six Monthly Compliance Report


Managing Director
 Shree Datta Shetkari Sahakari Sakhar
 Karkhana Ltd., Shirol, Post, Dattanagar
 Tal. Shirol, Dist. Kolhapur.

Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd.

PRODUCTION CAPACITY:

Sr. No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid up to	Production During Last Financial Year	No. of Days
1	Sugar	Tons per Day(TPD)	15000	15000	MPCB- CONSENT- 0000211622/CO /2411001420	31-07-2025	0	0
2	Ethanol	Kilo Liters per Day(KLD)	90	135	MPCB- CONSENT- 0000213990/CO /2412000360	31-08-2025	5253874	49
3	RS/ENA	Kilo Liters per Day(KLD)	90	135	MPCB- CONSENT- 0000213990/CO /2412000360	31-08-2025	6560829	68



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

Six Monthly Compliance Report

ANNEXURE 01: PHOTOGRAPHS OF GREENBELT

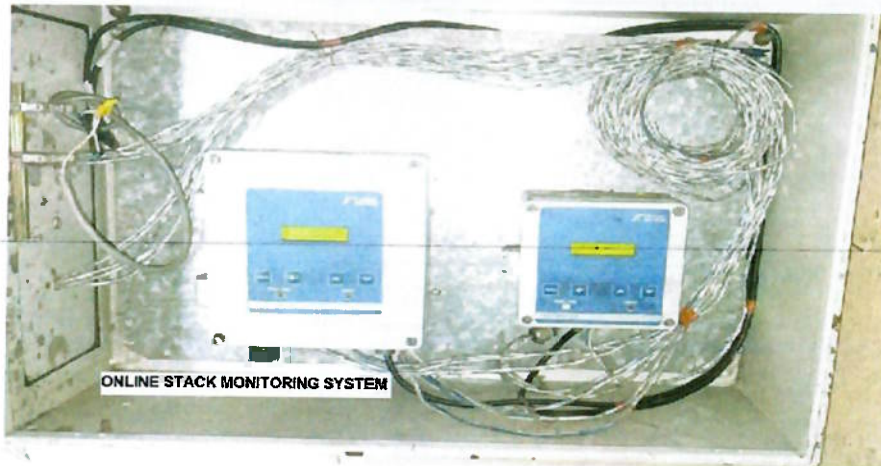
- 1) No. of plants -44000
- 2) Funds incurred – 10 Lakh



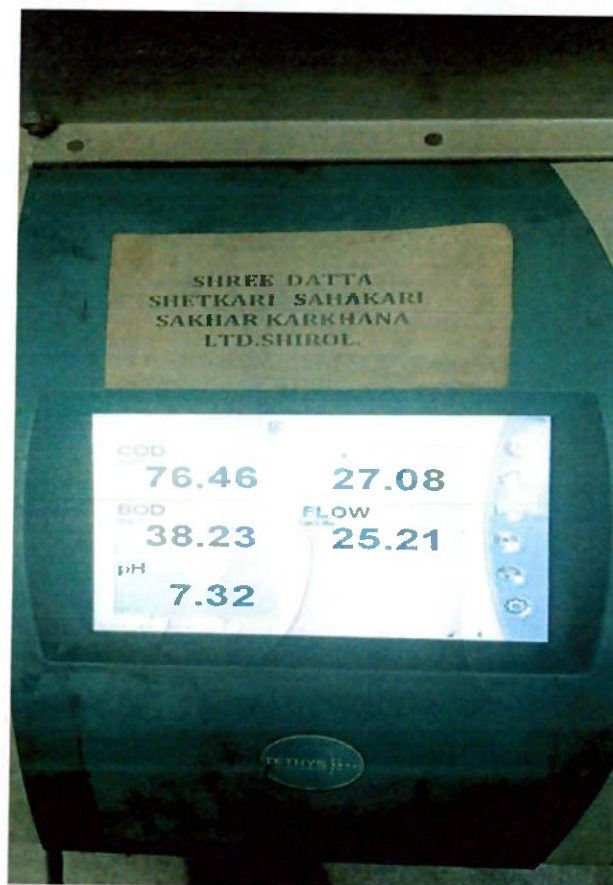
Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 02 : ONLINE MONITORING SYSTEM

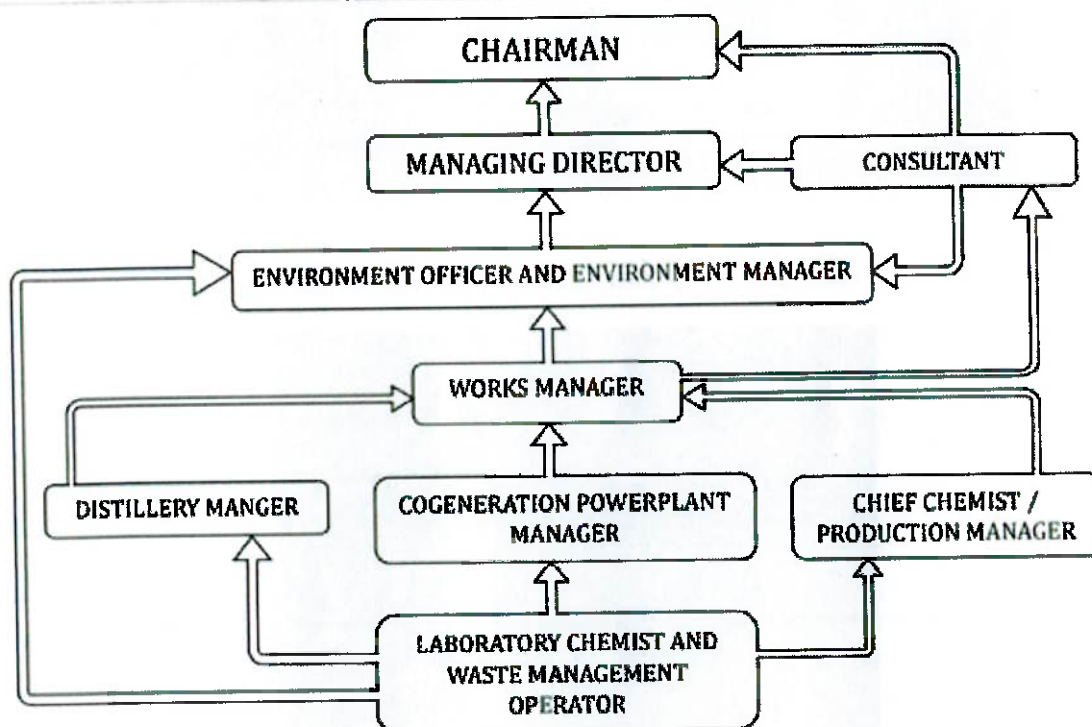
STACK ONLINE MONITORING SYSTEM



ETP ONLINE MONITORING SYSTEM



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post Dattanagar
Tal. Shirol, Dist. Kolhapur.



Six Monthly Compliance Report

ANNEXURE 04: APPROVED CER PLAN FROM DISTRICT COLLECTOR

क्र.कार्या-७/गृह/पोल/आरआर-२७२७/२०१९
जिल्हाधिकारी व जिल्हादंडाधिकारी कार्यालय,
नागाळा पार्क, कोल्हापूर ४१६ ००३.
दिनांक : ०५/०१/२०२०.

प्रति,

कार्यकारी संचालक,
मे. दत्त शेतकरी सहकारी साखर कारखाना लि.,
दत्तनगर, शिरोळ, ता. शिरोळ, जिल्हा कोल्हापूर

विषय :- Expansion of the Sugart Factory capacity from 9000 to 15000 TCD, Distillery capacity from 60 to 90 KLPD and establishing 24 MW Co-generation Power Plant at Shree Datta Shetkari Sakhar Karkhana Ltd. Dattanagar, Shirol.

संदर्भ :- १. आपलेकडील दिनांक २६/११/२०१९ रोजीचे पत्र.
२. उप प्रादेशिक अधिकारी, कोल्हापूर यांचेकडील जा.क्र.मप्रनि/
उप्राका/को/५०२/२०१९, दि. २४/१२/२०१९ रोजीचे पत्र.

उपरोक्त विषयास अनुसरून संदर्भ क्र. १ अन्वये श्री. दत्त शेतकरी सहकारी साखर लि. शिरोळ यांचे नियोजित विस्तारीकरण करिता पर्यावरण विषयक अनुमतीसाठी रितसर अर्ज पर्यावरण विभागास सादर करण्यात आलेला आहे. सदर अर्जाच्या निपटण्यासाठी कारखान्याकडून कार्पोरेट एन्व्हायरमेंट रिसपॉन्सीबिलिटी अंतर्गत विविध सामाजिक व पर्यावरणासाठी करणेत येणाऱ्या खर्चास परवानगी मागणी केलेली आहे.

याबाबत इकडील दिनांक ०३/१२/२०१९ रोजी उप प्रादेशिक अधिकारी, महाराष्ट्र प्रदूषण नियंत्रण महामंडळ, कोल्हापूर यांना कळविणेत आलेले होते. त्यास अनुसरून संदर्भ क्र. २ अन्वये पर्यावरण विभाग नवी दिल्ली यांच्या दि. ०१/०५/२०१८ रोजीच्या ऑफिस मेमोरंडम मध्ये नमुद केलेल्या मार्गदर्शानुसार शैक्षणिक, आरोग्य, पिण्याचे पाणी व स्वच्छता यासाठी खर्च करणे अपेक्षित आहे. (ऑफिस मेमोरंडम ची प्रत सोबत जोडली आहे.) कारखान्याने दाखल केलेली कामे व खर्च हा वरील संदर्भांमध्ये येतो. असे इकडे कळविलेले आहे. त्याची प्रत सोबत जोडलेली आहे. तरी पर्यावरण विभाग नवी दिल्ली यांच्या दि. ०१/०५/२०१८ रोजीच्या ऑफिस मेमोरंडम मध्ये नमुद केलेल्या मार्गदर्शक सूचनांचे उल्लंघन होणार नाही याची दक्षता घ्यावी. सदर मार्गदर्शक सूचनांचे उल्लंघन झालेस सदरचे पत्र रद्द समजणेत येईल. आवश्यकते नुसार कामे व त्यावरील खर्चात बदल करणेचा अधिकार इकडील कार्यालाकडे अबाधित ठेवणेत येत आहे. तसेच केलेल्या खर्चाचा दर सहा महिन्यांचा अहवाल महाराष्ट्र प्रदूषण नियंत्रण मंडळ व इकडील कार्यालयास दि. ०१/०५/२०१८ रोजीच्या ऑफिस मेमोरंडम मध्ये नमुद केलेल्या मुद्दा क्र. 6 (VI) नुसार सादर करावा.

(दोलत देसाई)
जिल्हादंडाधिकारी कोल्हापूर

प्रत :- उप प्रादेशिक अधिकारी, महाराष्ट्र प्रदूषण नियंत्रण मंडळ, उप प्रादेशिक कार्यालय, कोल्हापूर यांना माहितीसाठी.

G/Letters/

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Six Monthly Compliance Report



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 04: APPROVED CER PLAN FROM DISTRICT COLLECTOR



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

kip.dattsssk@gmail.com



Ref. No. 1127/ENV/MOEF/2023-24

Date: 31/05/2023

Implementation of activities under CER & CSR

Sr. No.	Activities	Amount Expenditure	Remark
01	Educational Purpose (Year-2020-21)	15,000.00	Donate for schools
02	Educational Purpose (Year-2021-22)	43,000.00	
03	Educational Purpose (Year-2022-23)	8,05,835.00	
04	Social activities (Year-2020-21)	22,38,259.00	Donate for different type of societies and CSR fund for construction of New III Building
05	Social activities (Year-2021-22)	8,39,768.00	
06	Social activities (Year-2021-22)	1,41,83,749.00	
07	Water supply (Year-2020-21)	29,41,051.00	Drinking water supply to nearby factory area
08	Water supply (Year-2021-22)	36,75,246.00	
09	Water supply (Year-2021-22)	20,37,616.00	
10	Environment Expenditure -2020-21	15,17,657.00	All maintain ace Environment expenditure on factory
11	Environment Expenditure -2021-22	25,53,735.00	
12	Environment Expenditure -2022-23	72,82,892.00	
13	Health & Sanitation (Year-2020-21)	18,57,698.00	All Health & Sanitation expenditure in factory premises
14	Health & Sanitation (Year-2021-22)	29,11,632.00	
15	Health & Sanitation (Year-2022-23)	45,73,292.00	
16	Saline soil Improvement --2021-22	11,90,500.00	Saline soil Improvement of farmers
17	Saline soil Improvement --2022-23	4,63,000.00	

Thanking you,

Yours faithfully,
For Shree Datta SSSK Ltd., Shirol

(M.V.PATIL)

Managing Director

Encl:- Attachments
D:\CVL2K14\Big ltr 14.doc



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd. Shirol Post Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 05: SAMPLE HEALTH REPORT OF WORKERS

**Mane Care
Diagnostics Center**
Pathology Laboratory



HEALTH REGISTER

**NAME OF COMPANY :- SHREE DATTA SHETKARI SAHAKARI SAKHAR KARKHANA LTD.
SHIROL.**

ADDRESS :- Post. Dattanagar 416 120, Taluka Shirol, Dist. Kolhapur. (Ms) India.

CONTACT NUMBER:- /

VALID FROM :- 27/02/2024 TO 26/02/2025

DR. ARVIND MANE
MBBS DPH AFIH.(Mumbai)

GOVT. OF INDIA-DGFASLI REGD. NO.-02388
Consultant Industrial Health Physician.



Kagal : Opp. Unichem Laboratories, Five Star MIDC, Kagal-Hatkangle, Kolhapur - 416 236 Ph. 926017111
Jaysingpur : 10th lane, Behind ST satnd Jaysingpur, Tal - Shirol, Dist. Kolhapur. 416 101. Ph. 9623711777
Kharghar : Monarch Luxuria Shop. No. 14, Plot No. 6, Sector 18, Navi Mumbai, 410 210. Ph. 8356044916
Karad : Shop No - 323, Gc 22 Police Patil, Saraswadi Nivas, Main Road, Malkapur 415 539. Ph. 9364111777

Managing Director

Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.



ANNEXURE 05: SAMPLE HEALTH REPORT OF WORKERS

Mane Care
Diagnostics Center
Pathology Laboratory



Employee Name : MR. DIPAK S KAMBLE
Company Name : SHREE DATTA SHETKARI SAHAKARI SAKHAR
KARKHANA LTD. SHIROL
Department : -
Employee No : 2895
Sr. No. : 301

Age / Sex : 45 Yrs. / M
CheckUp Date : 29/02/2024
Weight (Kg) : 95
Height (Cms) : 170
BMI : 32.87

PERIODIC MEDICAL EXAMINATION REPORT

Summary Report

FIT FOR JOB AT PRESENT EXAMINATION

Conclusion / Remark

THE EMPLOYEE IS NOT SUFFERING FROM ANY CONTAGIOUS, COMMUNICABLE, INFECTIOUS, OBNOXIOUS DISEASES.

Personal History

Allergic to : NAD

Diet : MIX

Present Complaints: NORMAL

Past History : NAD

Family History : NAD

Personal Habits : NAD

General Examination

Pulse (min) : 82

BP (mmHg) : 130 / 80

Skin : NORMAL

Appearance : GOOD

Built : AVERAGE

Deformities : NAD

Systemic Examination

ENT : NORMAL

RS : NAD

CVS : NAD

CNS : NAD

GUS : NAD

GIT : NAD

Vision

	Without Glass		With Glass	
Near	RE/12	LE/12	RE/12	LE/12
Distant	6/6	6/6	6/6	6/6

Color Vision : NORMAL

Refractory Error : ABSENT

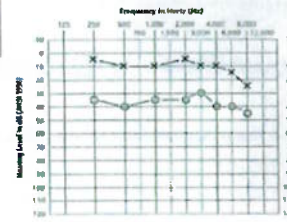
Test Frequency

- 1) Air Condition Threshold : Left : NORMAL Right : NORMAL
2) Bone Condition Threshold : Left : NORMAL Right : NORMAL

Audiogram Reports

Right Ear : NORMAL Left Ear : NORMAL

AUDIOMETRY



Spirometry

Measured Peak Flow	450 L/Min
Predicted Peak Flow	460
% of Predicted Peak Flow	98
Remark	NORMAL

ECG : NA

X-Ray : NA

Vaccination : NA

Pathology Lab Investigation Results :
ALL REPORTS ARE ATTACHED WITHIN NORMAL LIMITS.



DR. ARVIND MANE
MBBS DPM APM (Kolhapur)

Kagal : Opp. Unichem Laboratories, Five Star MIDC, Kagal-Hatkalangle, Kolhapur - 416 236 Ph. 9260171111
Jaysingpur : 10th lane, Behind ST satnd Jaysingpur, Tal - Shirol, Dist. Kolhapur. 416 101. Ph. 9623711777
Kharghar : Monarch Luxuria Shop. No. 14, Plot No. 6, Sector 18, Navi Mumbai, 410 210. Ph. 8356044916
Karad : Shop No - 323, Gc 22 Police Patil, Saraswati Nivas, Main Road, Malkapur 415 539. Ph. 9364111777



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 05: SAMPLE HEALTH REPORT OF WORKERS

Mane Care
Diagnostics Center
Pathology Laboratory



Employee Name : MR. DIPAK S KAMBLE
Company Name : SHREE DATTA SHETKARI SAHAKARI SAKHAR
KARKHANA LTD SHIROL
Department : -
Employee No : 2895
Sr. No. : 301

Age / Sex : 45 Yrs. / M
CheckUp Date : 29/02/2024
Weight (Kg) : 95
Height (Cms) : 170
BMI : 32.87

PERIODIC MEDICAL EXAMINATION REPORT

Summary Report : FIT FOR JOB AT PRESENT EXAMINATION
Conclusion / Remark : THE EMPLOYEE IS NOT SUFFERING FROM ANY CONTAGIOUS ,COMMUNICABLE ,INFECTIOUS ,OBNOXIOUS DISEASES.

Personal History : Allergic to : NAD
Present Complaints : NORMAL
Family History : NAD
Diet : MIX
Past History : NAD
Personal Habits : NAD

General Examination
Pulse (/min) : 82
BP (mmHg) : 130 / 80
Skin : NORMAL
Appearance : GOOD
Built : AVERAGE
Deformities : NAD

Systemic Examination
ENT : NORMAL
RS : NAD
CVS : NAD
CNS : NAD
GUS : NAD
GIT : NAD

Vision	Without Glass		With Glass	
	Near	RE/12 LE/12	RE/12	LE/12
Distant		6/6 6/6	6/6	6/6

Color Vision : NORMAL

Refractory Error : ABSENT

Test Frequency

1) Air Condition Threshold : Left : NORMAL Right : NORMAL
2) Bone Condition Threshold : Left : NORMAL Right : NORMAL

Audiogram Reports Right Ear : NORMAL Left Ear : NORMAL

Spirometry	Measured Peak Flow	450 L/Min
	Predicted Peak Flow	460
	% of Predicted Peak Flow	98
	Remark	NORMAL

ECG : NA

X-Ray : NA

Vaccination : NA

Pathology Lab Investigation Results :
ALL REPORTS ARE ATTACHED WITHIN NORMAL LIMITS.



(Signature)
DR. ARVIND MANE

Kagal : Opp. Unichem Laboratories, Five Star MIDC, Kagal-Hatkalgale, Kolhapur - 416 236 Ph. 9260171111
Jaysingpur : 10th lane, Behind ST satnd Jaysingpur, Tal - Shirol, Dist. Kolhapur. 416 101. Ph. 9623711777
Kharghar : Monarch Luxuria Shop. No. 14, Plot No. 6, Sector 18, Navi Mumbai, 410 210. Ph. 8356044916
Karad : Shop No - 323, Gc 22 Police Patil, Saraswati Nivas, Main Road, Malkapur 415 539. Ph. 9364111777



Managing Director
Shree Datta Shetakari Sahakari Sakhar
Karkhana Ltd., Shirol, Post, Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 05: SAMPLE HEALTH REPORT OF WORKERS

Mane Care
Diagnostics Center
Pathology Laboratory



Employee Name : MR. DIPAK S KAMBLE
Company Name : SHREE DATTA SHETKARI SAHAKARI SAKHAR KARKHANA LTD SHIROL
Department : -
Employee No : 2895
Sr. No. : 301
Age / Sex : 45 Yrs. / M
CheckUp Date : 29/02/2024
Weight (Kg) : 95
Height (Cms) : 170
BMI : 32.87

PERIODIC MEDICAL EXAMINATION REPORT

Summary Report : FIT FOR JOB AT PRESENT EXAMINATION
Conclusion / Remark : THE EMPLOYEE IS NOT SUFFERING FROM ANY CONTAGIOUS ,COMMUNICABLE ,INFECTIOUS ,OBNOXIOUS DISEASES.

Personal History : Allergic to : NAD
Present Complaints : NORMAL
Family History : NAD
Past History : NAD
Personal Habits : NAD
Diet : MIX

General Examination

Pulse (/min) : 82
BP (mmHg) : 130 / 80
Skin : NORMAL
Appearance : GOOD
Built : AVERAGE
Deformities : NAD

Systemic Examination

ENT : NORMAL
RS : NAD
CVS : NAD
CNS : NAD
GUS : NAD
GIT : NAD

Vision	Without Glass		With Glass	
	Near	RE/12 LE/12	RE/12	LE/12
Distant		6/6 6/6	6/6	6/6

Color Vision : NORMAL

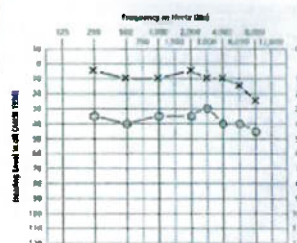
Refractory Error : ABSENT

Test Frequency

1) Air Condition Threshold : Left : NORMAL Right : NORMAL
2) Bone Condition Threshold : Left : NORMAL Right : NORMAL

Audiogram Reports : Right Ear : NORMAL Left Ear : NORMAL

AUDIOMETRY



Spirometry

Measured Peak Flow : 450 L/Min
Predicted Peak Flow : 460
% of Predicted Peak Flow : 98
Remark : NORMAL

ECG : NA

X-Ray : NA

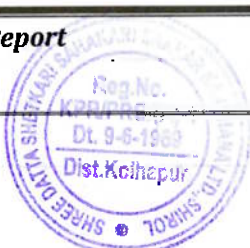
Vaccination : NA

Pathology Lab Investigation Results :
ALL REPORTS ARE ATTACHED WITHIN NORMAL LIMITS.



DR. ARVIND MANE
MBBS DPH (Mumbai)

Kagal : Opp. Unichem Laboratories, Five Star MIDC, Kagal-Hatkalangle, Kolhapur - 416 236 Ph. 9260171111
Jaysingpur : 10th lane, Behind ST satnd Jaysingpur, Tal - Shirol, Dist. Kolhapur. 416 101. Ph. 9623711777
Kharghar : Monarch Luxuria Shop. No. 14, Plot No. 6, Sector 18, Navi Mumbai, 410 210. Ph. 8356044916
Karad : Shop No - 323, Ge 22 Police Patil, Saraswati Nivas, Main Road, Malkapur 415 539. Ph. 9364111777



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 05: HEALTH REPORT OF WORKERS

Certifying Surgeon
DR. ARVIND MANE
MBBS DPH AFH (Mumbai)

Form No 7 (Prescribed under Rule 18 (7))
HEALTH REGISTER

From: 27/02/2024 To 26/02/2025

Company Name : SHREE DATTASHEETKARI SAHAKARI SAKHAR KARKHANA LTD. SHIROL.

Sr. No.	Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other work	Reason for leaving	Transfer of discharging	Nature of job or occupation	Raw material or by product handled	Exam. Date	Result of Medical Examination	If suspended from work, state period of suspension with detailed reasons	Certified fit to resume duty on with signature of Certifying Surgeon	If Certificate of unfitness or suspension issued to worker	Signature with gate certifying surgeon.
1	2026	MR. SANJAY K KADAM	54	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA
2	2955	MR. PRADIP Y MAGDUM	46	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA
3	2499	MR. BALASO D SAWANT	51	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA
4	6130	MR. AANNASO J PATIL	54	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA
5	6168	MR. SAMPAT D PATIL	57	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA
6	2113	MR. SHIVAJI V HALVAI	58	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA
7	864	MR. PIRGONDA J PATIL	58	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA
8	2456	MR. ASLAM R BHUSARI	52	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA
9	2829	MR. DIGAMBAR B KAMBLE	50	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA
10	3182	MR. DEEPAK B GASTE	32	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA
11	2832	MR. YUNUS J PATHAN	45	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA
12	6182	MR. AAYUBKHAN S MUJAWAR	58	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA
13	2461	MR. BHIKAN N TAHASILDAR	50	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA
14	6152	MR. ILAI H LATIF	57	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA
15	2141	MR. SUDARSHAN J KARVE	57	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA
16	2610	MR. SUNIL T PATIL	51	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA
17	3278	MR. LAXMAN G PATIL	55	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA
18	3225	MR. PRADIP B KOLI	33	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA
19	3273	MR. KRUSHNAT S PATIL	27	M	-	NA	NA	NA	NA	NA	27/02/2024	Fit	NA	Fit	NA	NA

NA कलवामे अधिकृत डॉ. आर. वल्लभ १०(२) प्रमाणे कोविडपसु निजंकरिता

प्राधिकृत प्रमाणकस्थपतिके त्साक



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 05: HEALTH REPORT OF WORKERS

Certifying Surgeon-
DR. ARVIND MANE
MBBS DPH AFPH (Mumbai)

Form No 7 (Prescribed under Rule 18 (7))

HEALTH REGISTER

From: 27/02/2024 To 26/02/2025

Company Name : SHREE DATTA SHETKARI SAHAKARI SAKHAR KARKHANA LTD. SHIROL.

Sr. No.	Emp. No.	Name	Age	Sex	Dept of employment	Date of leaving or transfer to other work	Reason for leaving	Nature of job or occupation	Raw material or by product handled	Exam. Date	Result of Medical Examination	If suspended from work, state period of suspension with detailed reasons	Certified fit to resume duty on withdrawal of suspension	Signature of Certifying Surgeon	If Certificate of unfitness or suspension issued to worker	Signature with gate certifying surgeon.
20	2942	MR. BASHIR A PENDHARI	47	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA
21	2942	MR. BABAJAN M PATEL	48	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA
22	6037	MR. RAJUKUMAR A KAMBLE	54	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA
23	1363	MR. MOHAN B PATIL	57	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA
24	2464	MR. SASHIKANT K KAMBLE	58	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA
25	2444	MR. DHINYKUMAR DEYMORE	48	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA
26	2779	MR. DHANAJI B MANE	50	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA
27	3158	MR. RAVINDRAJ MORE	38	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA
28	6277	MR. SUNIL J SUTAR	50	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA
29	2104	MR. SANJAY V CHAVAN	58	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA
30	639	MR. RAJARAM B MORE	59	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA
31	2085	MR. RAJARAM B DHVALE	59	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA
32	208	MR. KIRAN S KOLHAPURE	58	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA
33	2168	MR. ANNASO B SHIRDHONE	53	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA
34	6040	MR. SADASHI B KHOT	54	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA
35	3202	MR. SACHIN D KOLI	32	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA
36	6312	MR. RAJENDRA A SAHAPURE	51	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA
37	3282	MR. PANDURANG S KHOT	36	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA
38	1852	MR. KUMAR S CHOUGULE	57	M	-	NA	NA	NA	NA	27/02/2024	Fit	NA	NA	Fit	NA	NA

कायाने जोडिले आहे/कायाने नोंदी प्रमाणे कोल्हापूर जिल्हाकरिता



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post, Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 06: PROPER HOUSEKEEPING PHOTOGRAPHS




Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 07
RAIN WATER HARVESTING



A handwritten signature in blue ink, consisting of a large loop followed by a series of strokes.

Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

Storm Water Drainage System Report on Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd., Dattanagar, Tq- Shirol, Dist- Kolhapur.

Designing a simple storm water drainage system:-

The size of the drain for collecting and carrying storm water at a given catchment area is calculated as below:

Data required-

1. A map of the catchment area with gradient lines and contour lines, the gradients and boundaries can be calculated.
2. Rainfall intensity in the catchment area.

The rainfall intensity of the area is found out from the local IDF -curves (intensity-duration-frequency curve), if IDF-curve is not available, rainfall intensity of 100 mm/hr shall be considered (this value is for tropical countries, with catchment areas smaller than 150 ha).

Analysis of the catchment area-

The gradient of the catchment area, terrain configuration in the catchment area can be found out from the Map and the Runoff factors for the different terrain are given as below.

Table 1: Coefficient of Runoff Values for Different Terrain.

Sr. No.	Terrain type	'C' Coefficient of Runoff (Flat terrain)
1	Clayey soil	0.8
2	Parking area	0.75
3	Roads and other concrete works	0.85
4	Greenbelts	0.1

From the study the average gradients of respective area is 2% and rainfall intensity is taken as 100 mm/hr (i.e. 4 inch/hr).

➤ **Storm water Discharge calculations:**

Using Rational formula i.e. $Q = CIA$

Where Q - is design peak runoff rate Ft^3/sec .

I - Rainfall Intensity value in inch/hr.

A - Catchment area in Acre.

C - Unit less quantity called Coefficient of Runoff, shown in table1.

➤ **Velocity Calculations:**

1. Minimum Velocity for Preventing Sedimentation-

To ensure that deposition of suspended solids does not take place, self-cleansing velocities using Shield's formula is considered in the design of drainage.



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 07: RAIN WATER HARVESTING

$$V = 1/n [R^{(1/6)} \{K_s (S_s - 1) d_p\}]^{0.5}$$

Where, n – Mannings “ n ”

R - Hydraulic Mean Radius in m

K_s - Dimensionless constant with a value of about 0.04 to start motion of granular particles and about 0.8 for adequate self cleansing of sewers.

S_s – Specific gravity of particles

d_p – Particle size in mm

In above formula velocity depend on the particle size and specific gravity and slightly dependent on conduit shape and depth of flow.

Table 2: Design velocities to be ensured in gravity flow

Sr. No.	Criteria	Value
1	Minimum velocity at initial peak flow	0.6 m/s
2	Minimum velocity at ultimate peak flow	0.8 m/s
3	Maximum velocity	3 m/s

Source: WPCF, ASCE, 1982

2. Maximum Velocity-

Erosion is caused by sand and other gritty material and is compounded by high velocities and hence the maximum velocity shall be limited to 3 m/s.

Mannings formula for gravity flow -

$$V = 1/n [R^{(2/3)} . S^{(1/2)}]$$

Where, V – Velocity

S – Slope of hydraulic gradient

R – Hydraulic radius in meter ($R = A/P$, A – wetted area & P – Wetted perimeter)

n – Mannings coefficient of roughness (n for concrete is 0.011)

I. Storm water Discharge calculations:

Using Rational formula i.e. $Q = CIA$

Where Q - Design peak runoff rate in cfs

I - Rainfall Intensity value in inch/hr (taken as 4 inch/hr).

A - Catchment area in Acre.

C – Unit less quantity called Coefficient of Runoff, (taken from Table1).



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 07: RAIN WATER HARVESTING

Table3: Storm water discharge calculations.

Sr. No.	Area Description	C	I in inch/hr	A in m ²	Factor for (m ² to Acre)	A in Acre	Q (cfs)	Factor for (cfs to m ³ /s)	Q (m ³ /s)
1	GB12	0.1	4	11086	4046.86	2.73940784	1.095763	35.3147	0.031
2	Open Space	0.8	4	12770	4046.86	3.15553293	10.09771	35.3147	0.286
3	GB16	0.1	4	2850	4046.86	0.70424971	0.2817	35.3147	0.008
4	Open Space	0.8	4	9390	4046.86	2.32031748	7.425016	35.3147	0.210
5	Open Space	0.8	4	17325	4046.86	4.28109695	13.69951	35.3147	0.3879
6	Open Space	0.8	4	23497	4046.86	5.80623002	18.57994	35.3147	0.5261
	GB14	0.1	4	3605	4046.86	0.89081411	0.356326	35.3147	0.010
7	Open Space	0.8	4	19090	4046.86	4.71723756	15.09516	35.3147	0.427
8	PK3	0.75	4	9137	4046.86	2.25779987	6.7734	35.3147	0.192
	PK5	0.75	4	1184	4046.86	0.29257251	0.877718	35.3147	0.025
	Open Space	0.8	4	1684	4046.86	0.41612509	1.3316	35.3147	0.038
9	Open Space	0.8	4	31717	4046.86	7.83743446	25.07979	35.3147	0.710
10	GB15	0.1	4	4475	4046.86	1.1057956	0.442318	35.3147	0.013
	Open Space	0.8	4	3747	4046.86	0.92590305	2.96289	35.3147	0.084
11	PK1	0.75	4	65292	4046.86	16.1339903	48.40197	35.3147	1.371
	GB8	0.1	4	8966	4046.86	2.21554489	0.886218	35.3147	0.025
	GB6	0.1	4	6216	4046.86	1.53600569	0.614402	35.3147	0.017
	GB7	0.1	4	5846	4046.86	1.44457678	0.577831	35.3147	0.016
12	PK2	0.75	4	16360	4046.86	4.04264047	12.12792	35.3147	0.343
13	GB4	0.1	4	17205	4046.86	4.25144433	1.700578	35.3147	0.048
	GB5	0.1	4	1450	4046.86	0.35830249	0.143321	35.3147	0.004
	PK4	0.75	4	1284	4046.86	0.31728303	0.951849	35.3147	0.027
14	GB2	0.1	4	5976	4046.86	1.47670045	0.59068	35.3147	0.017
15	GB3	0.1	4	2811	4046.86	0.69461261	0.277845	35.3147	0.008



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shircl, Post. Dattanagar
Tal. Shircl, Dist. Kolhapur.

ANNEXURE 07: RAIN WATER HARVESTING

Sr. No.	Area Description	C	I in inch/hr	A in m ²	Factor for (m ² to Acre)	A in Acre	Q (cfs)	Factor for (cfs to m ³ /s)	Q (m ³ /s)
	Open Space	0.8	4	2492	4046.86	0.61578607	1.970515	35.3147	0.056
16	PK7	0.75	4	2120	4046.86	0.52386295	1.571589	35.3147	0.045
17	PK6	0.75	4	7924	4046.86	1.95806131	5.874184	35.3147	0.166
18	GB1	0.1	4	172946	4046.86	42.7358495	17.09434	35.3147	0.484
19	GB11 some part	0.1	4	20000	4046.86	4.94210326	1.976841	35.3147	0.056
20	GB11 some part	0.1	4	14000	4046.86	3.45947228	1.383789	35.3147	0.039
21	GB10	0.1	4	4439	4046.86	1.09689982	0.43876	35.3147	0.012
22	GB9	0.1	4	6240	4046.86	1.54193622	0.616774	35.3147	0.017

Note:

To convert m² to Acre: $A \text{ (Acre)} = [A \text{ (m}^2\text{)} / 4046.86]$

To convert Q (cfs) in to Q (m³/s): $[Q \text{ (m}^3\text{/s)} = Q \text{ (cfs)} / 35.3147]$



[Signature]
Managing Director
 Shree Datta Shetkari Sahakari Sakhar
 Karkhana Ltd., Shirol Post Dattanagar
 Tal. Shirol, Dist. Kolhapur.

ANNEXURE 07: RAIN WATER HARVESTING

Table 4: Discharge calculation along the drainage path

Path	Description of path	Discharge
A	Half discharge of area 1	0.016
A'	Total discharge generated from area 1	0.036
B	Half discharge of area 2	0.143
B'	$A' + B/2$	0.179
C	Total discharge of area 3	0.008
C'	Half discharge of area 4	0.105
C''	$C + B' + C'/2$	0.38
D	Half discharge of area 5	0.194
D'	Total discharge of area 5 + C'' + C'	0.873
E	Half discharge of area 6	0.2631
E'	Half discharge of area 6 + D'	1.1361
F	Half discharge of area 7	0.214
F'	Half discharge of area 7 + E' + E	1.6131
G	Half discharge of area 8	0.1
H	Half discharge of area 9	0.36
I	Half discharge of area 10	0.049
I'	Total discharge of area 9 + Total discharge of area 10	0.818
J	Half discharge of area 11 without green belt	0.6855
J'	J + Total discharge of green belt area 8 + Total discharge of area 12	1.0535
J''	$J' + J''' +$ Half discharge of green belt area 6 & 7	1.852
J'''	Half discharge of area 11 without green belt + I'	0.7825
J''''	Half discharge of green belt area 6 & 7	0.017
K	Total discharge of area 12	0.172
L	Half discharge of area 13	0.079
L'	Half discharge of area 13 + J''	1.931
L''	Half discharge of area 13 + Total discharge of area 8	2.1061
M	Total discharge of area 15	0.064
N	Half discharge of area 14	0.081
O	Total discharge of area 16	0.085
P	Total discharge of area 17 + O	0.251
Q	Half discharge of area 18	0.232
Q'	Total discharge of area 18 + P	0.483
R	Half discharge of area 19	0.028
R'	Total discharge of area 19 + Total discharge of area 20	0.096
S	Half discharge of area 20	0.02
T	Half discharge of area 21	0.006
U	Half discharge of area 22 + R'/2 + T/2	0.059
U'	Double of U	0.118

Descriptions of all the areas and drainage line and all the notations used in the report shown in figure 1



Managing Director
Shree Datta Shekari Sahakari Sakhar
 Karkhana Ltd., Shiroli, Post. Dattanagar
 Tal. Shiroli, Dist. Kolhapur.

ANNEXURE 07: RAIN WATER HARVESTING

Drainage line design

A. Area, Breadth and Height calculations of the Drainage system:

Where, Q – Discharge or runoff flow in m^3/s

V – Assumed velocity of flow in drainage line (m/s)

A- Cross section area of drainage line (m^2)

B – Breadth of the drainage line in meter

H – Height of the drainage system in meter

Table 5: Calculations of A, B, & H based on assumed velocity

Drainage Path	Q	V	A	L:B Ratio	B	H
A	0.016	1.3	0.0123	1.5	0.091	0.136
A'	0.036	1.7	0.0212	1.5	0.119	0.178
B	0.143	2.4	0.0596	1.5	0.199	0.299
B'	0.179	2.5	0.0716	1.5	0.218	0.328
C	0.008	1	0.0080	1.5	0.073	0.110
C'	0.105	2.3	0.0457	1.5	0.174	0.262
C''	0.38	2.9	0.1310	1.5	0.296	0.443
D	0.194	2.6	0.0746	1.5	0.223	0.335
D'	0.873	2.8	0.3118	1.5	0.456	0.684
E	0.2631	2.8	0.0940	1.5	0.250	0.375
E'	1.1361	3	0.3787	1.5	0.502	0.754
F	0.214	2.7	0.0793	1.5	0.230	0.345
F'	1.6131	3	0.5377	1.5	0.599	0.898
G	0.1	2.2	0.0455	1.5	0.174	0.261
H	0.36	2.9	0.1241	1.5	0.288	0.432
I	0.049	1.8	0.0272	1.5	0.135	0.202
I'	0.818	3	0.2727	1.5	0.426	0.640
J	0.6855	3	0.2285	1.5	0.390	0.585
J'	1.0535	3	0.3512	1.5	0.484	0.726
J''	1.852	3	0.6173	1.5	0.642	0.962
J'''	0.7825	3	0.2608	1.5	0.417	0.625
j''''	0.017	1.3	0.0131	1.5	0.093	0.140
K	0.172	2.5	0.0688	1.5	0.214	0.321
L	0.079	2.1	0.0376	1.5	0.158	0.238
L'	1.931	3	0.6437	1.5	0.655	0.983
L''	2.1061	3	0.7020	1.5	0.684	1.026
M	0.064	2	0.0320	1.5	0.146	0.219
N	0.081	2.1	0.0386	1.5	0.160	0.241
O	0.085	2.2	0.0386	1.5	0.160	0.241
P	0.251	2.7	0.0930	1.5	0.249	0.373
Q	0.232	2.7	0.0859	1.5	0.239	0.359
Q'	0.483	3	0.1610	1.5	0.328	0.491



Managing Director
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Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 07: RAIN WATER HARVESTING

Drainage Path	Q	V	A	L:B Ratio	B	H
R	0.028	1.5	0.0187	1.5	0.112	0.167
R'	0.096	2.2	0.0436	1.5	0.171	0.256
S	0.02	1.4	0.0143	1.5	0.098	0.146
T	0.006	0.9	0.0067	1.5	0.067	0.100
U	0.059	1.9	0.0311	1.5	0.144	0.216
U'	0.118	2.3	0.0513	1.5	0.185	0.277

Note:

- We know, $A = Q/V$, consider L/B ratio is 1.5 then calculate B & H.
- Therefore above mentioned that velocity of flow is not less than 0.8 m/s and not greater than 3.0 m/s. So, maintain the velocity of flow in between 0.8 m/s to 3.0 m/s.



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 Tal. Shirol, Dist. Kolhapur.

ANNEXURE 07: RAIN WATER HARVESTING

Drainage path	B	H	B*H	Area occupy by flow	h	h _{FB}	H _T	P _w	A _w	R	R ^{2/3}	1/n	S	S ^{1/2}	V
E	0.3	0.45	0.135	0.094	0.3132	--	0.45	0.926	0.094	0.101	0.217	90.91	0.0200	0.141	2.796
E'	0.5	0.75	0.375	0.375	0.7500	0.1	0.85	2.000	0.375	0.188	0.328	90.91	0.0102	0.101	3.000
F	0.3	0.45	0.135	0.079	0.2642	--	0.45	0.828	0.079	0.096	0.209	90.91	0.0200	0.141	2.689
F'	0.6	0.9	0.540	0.540	0.9000	0.1	1	2.400	0.540	0.225	0.370	90.91	0.0080	0.089	3.000
G	0.3	0.45	0.135	0.045	0.1515	--	0.45	0.603	0.045	0.075	0.178	90.91	0.0200	0.141	2.294
H	0.3	0.45	0.135	0.124	0.4138	0.05	0.5	1.128	0.124	0.110	0.230	90.91	0.0200	0.141	2.953
I	0.3	0.45	0.135	0.027	0.0907	--	0.45	0.481	0.027	0.057	0.147	90.91	0.0200	0.141	1.894
I'	0.43	0.64	0.275	0.275	0.6400	0.1	0.74	1.710	0.275	0.161	0.296	90.91	0.0124	0.112	3.000
J	0.39	0.59	0.230	0.230	0.5900	0.1	0.69	1.570	0.230	0.147	0.278	90.91	0.0141	0.119	3.000
J'	0.48	0.73	0.350	0.350	0.7300	0.1	0.83	1.940	0.350	0.181	0.320	90.91	0.0107	0.103	3.001
J''	0.64	0.96	0.614	0.614	0.9600	0.1	1.06	2.560	0.614	0.240	0.386	90.91	0.0073	0.085	3.000
J'''	0.42	0.63	0.265	0.265	0.6300	0.1	0.73	1.680	0.265	0.158	0.292	90.91	0.0128	0.113	3.000
j'''	0.3	0.45	0.135	0.013	0.0436	--	0.45	0.387	0.013	0.034	0.104	90.91	0.0200	0.141	1.343
K	0.3	0.45	0.135	0.069	0.2293	--	0.45	0.759	0.069	0.091	0.202	90.91	0.0200	0.141	2.595
L	0.3	0.45	0.135	0.038	0.1254	--	0.45	0.551	0.038	0.068	0.167	90.91	0.0200	0.141	2.148
L'	0.66	0.98	0.647	0.647	0.9800	0.1	1.08	2.620	0.647	0.247	0.394	90.91	0.0070	0.084	3.000
L''	0.68	1	0.680	0.680	1.0000	0.1	1.1	2.680	0.680	0.254	0.401	90.91	0.0678	0.260	9.487
M	0.3	0.45	0.135	0.032	0.1067	--	0.45	0.513	0.032	0.062	0.157	90.91	0.0200	0.141	2.021
N	0.3	0.45	0.135	0.039	0.1286	--	0.45	0.557	0.039	0.069	0.169	90.91	0.0200	0.141	2.168
O	0.3	0.45	0.135	0.039	0.1288	--	0.45	0.558	0.039	0.069	0.169	90.91	0.0200	0.141	2.169
P	0.3	0.45	0.135	0.093	0.3099	0.05	0.5	0.920	0.093	0.101	0.217	90.91	0.0200	0.141	2.790
Q	0.3	0.45	0.135	0.086	0.2864	0.05	0.5	0.873	0.086	0.098	0.213	90.91	0.0200	0.141	2.741
Q'	0.33	0.49	0.162	0.162	0.4900	0.05	0.54	1.310	0.162	0.123	0.248	90.91	0.0177	0.133	3.000
R	0.3	0.45	0.135	0.019	0.0622	--	0.45	0.424	0.019	0.044	0.125	90.91	0.0200	0.141	1.602
R'	0.3	0.45	0.135	0.044	0.1455	--	0.45	0.591	0.044	0.074	0.176	90.91	0.0200	0.141	2.263
S	0.3	0.45	0.135	0.014	0.0476	--	0.45	0.395	0.014	0.036	0.109	90.91	0.0200	0.141	1.405



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Tal. Shirel, Dist. Kolhapur.

Drainage path	B	H	B*H	Area occupy by flow	h	h_{FB}	H_T	P_w	A_w	R	$R^{2/3}$	1/n	S	$S^{1/2}$	V
T	0.3	0.45	0.135	0.007	0.0222	--	0.45	0.344	0.007	0.019	0.072	90.91	0.0200	0.141	0.927
U	0.3	0.45	0.135	0.031	0.1035	--	0.45	0.507	0.031	0.061	0.155	90.91	0.0200	0.141	1.998
U'	0.3	0.45	0.135	0.051	0.1710	--	0.45	0.642	0.051	0.080	0.186	90.91	0.0200	0.141	2.385

Note: The minimum width and height of concrete Gutter is considered as 0.3m & 0.45 m respectively.

C. Restrictions on Velocity of Flow:

To maintained the velocity of flow in between 0.8 m/s to 3.0 m/s, by adjusting slop of the drainage line.

Some of the drainage path exceeds the velocity of flow more than 3.0 m/s. Therefore by adjusting the slop of the drainage line we can maintain the velocity of flow below 3.0 m/s.

Table 7: Calculations to maintained velocity of flow by adjusting slop of the drainage line.

Description of path	n	$R^{2/3}$	V	$S^{1/2}$	S
D'	0.011	0.3288	3	0.1004	0.0101
E'	0.011	0.3276	3	0.1007	0.0101
F'	0.011	0.3699	3	0.0892	0.0080
I'	0.011	0.2959	3	0.1115	0.0124
J	0.011	0.2780	3	0.1187	0.0141
J'	0.011	0.3195	3	0.1033	0.0107
J''	0.011	0.3862	3	0.0854	0.0073
J'''	0.011	0.2916	3	0.1132	0.0128
L'	0.011	0.3935	3	0.0839	0.0070
L''	0.011	0.4008	3	0.0823	0.0068
Q'	0.011	0.2479	3	0.1331	0.0177

Note: $V = 1/n [R^{(2/3)} S^{(1/2)}]$, i.e. $S^{(1/2)} = V \cdot n / R^{(2/3)}$. Here, velocity of flow exceed the 3.0 m/s, hence velocity is taken, as 3.0 m/s for cross calculation purpose.



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Tal. Shirol, Dist. Kolhapur.

III. Calculations on Cross Drainage Work:**A. Calculations of area and diameter of cross drainage pipe based on assumed velocity:**Where, Q – Discharge in m³/s

V – Assumed velocity in m/s

A- Area in m²

d – Diameter of the cross drainage system in meter.

Table 8: Calculations of Area & diameter of cross drainage pipe based on assumed velocity

Description of cross Drainage	Q	V	A	$\pi*d^2/4$	d^2	d
I	0.036	1.5	0.024	0.7854	0.030558	0.174808
II	0.143	2.2	0.065	0.7854	0.08276	0.287681
III	0.485	3	0.161667	0.7854	0.20584	0.453696
IV	0.873	3	0.291	0.7854	0.370512	0.608697
V	0.71	3	0.236667	0.7854	0.301333	0.548938
VI	0.807	3	0.269	0.7854	0.342501	0.585236
VII	1.4	3	0.466667	0.7854	0.594177	0.770829
VIII	1.869	3	0.623	0.7854	0.793226	0.890633
IX	1.8271	3	0.609033	0.7854	0.775444	0.880593
X	2.0821	3	0.694033	0.7854	0.883669	0.940036
XI	0.085	1.9	0.044737	0.7854	0.056961	0.238664
XII	4.1181	3	1.3727	0.7854	1.747772	1.322033
XIII	0.064	1.8	0.035556	0.7854	0.045271	0.212769
XIV	0.064	1.8	0.035556	0.7854	0.045271	0.212769
XV	0.064	1.8	0.035556	0.7854	0.045271	0.212769
XVI	0.064	1.8	0.035556	0.7854	0.045271	0.212769
XVII	0.04	1.6	0.025	0.7854	0.031831	0.178412
XVIII	0.096	2	0.048	0.7854	0.061115	0.247215
XIX	0.012	1.2	0.01	0.7854	0.012732	0.112838

B. Actual Velocity Calculations:

Actual Velocity calculations by using Manning's formula:

Manning's formula for gravity flow -

$$V = 1/n [R^{(2/3)} \cdot S^{(1/2)}]$$

Where, V – Velocity in m/s.

S – Slope of hydraulic gradient.

n – Manning's coefficient of roughness (n for concrete is 0.011 & 1/n = 90.91)

d – Calculated diameter of pipe (actual diameter of pipe calculated according to runoff flow)

P_w – Wetted perimeter (for running full condition P_w = $\pi*d$)

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A_w – Wetted area ($A_w = \pi \cdot d^2/4$)

R – Hydraulic radius in meter.

D* – Diameter of pipe, which shall be provided, (i.e. 'D*' replaces to 'd').

Note:

Consider the drainage pipe running full condition and also consider some extra diameter of pipe for safety purpose.

The available diameter of pipe in the market is 300, 400, 450, 600, 800, 1000, 1200, 1400, 1600, 1800, 2000 and 2200 mm. Hence replace the calculated diameter by this available pipe size.

Table 9: Actual velocity calculation by using Manning's formula

Description of cross drainage	π	d	P_w	A_w	1/n	R	$R^{2/3}$	S	$S^{1/2}$	V	D*
I	3.1416	0.175	0.549	0.024	90.91	0.044	0.124	0.02000	0.1414	1.595	0.3
II	3.1416	0.288	0.904	0.065	90.91	0.072	0.173	0.02000	0.1414	2.224	0.3
III	3.1416	0.454	1.425	0.162	90.91	0.113	0.234	0.01983	0.1408	3.000	0.6
IV	3.1416	0.609	1.912	0.291	90.91	0.152	0.285	0.01340	0.1158	3.000	0.8
V	3.1416	0.549	1.725	0.237	90.91	0.137	0.266	0.01538	0.1240	3.000	0.6
VI	3.1416	0.585	1.839	0.269	90.91	0.146	0.278	0.01413	0.1188	3.000	0.6
VII	3.1416	0.771	2.422	0.467	90.91	0.193	0.334	0.00978	0.0989	3.000	0.8
VIII	3.1416	0.891	2.798	0.623	90.91	0.223	0.367	0.00807	0.0898	3.000	1
IX	3.1416	0.881	2.766	0.609	90.91	0.220	0.365	0.00819	0.0905	3.000	1
X	3.1416	0.940	2.953	0.694	90.91	0.235	0.381	0.00751	0.0867	3.000	1
XI	3.1416	0.239	0.750	0.045	90.91	0.060	0.153	0.02000	0.1414	1.963	0.3
XII	3.1416	1.322	4.153	1.373	90.91	0.331	0.478	0.00477	0.0691	3.001	1.4
XIII	3.1416	0.213	0.668	0.036	90.91	0.053	0.141	0.02000	0.1414	1.818	0.3
XIV	3.1416	0.213	0.668	0.036	90.91	0.053	0.141	0.02000	0.1414	1.818	0.3
XV	3.1416	0.213	0.668	0.036	90.91	0.053	0.141	0.02000	0.1414	1.818	0.3
XVI	3.1416	0.213	0.668	0.036	90.91	0.053	0.141	0.02000	0.1414	1.818	0.3
XVII	3.1416	0.178	0.560	0.025	90.91	0.045	0.126	0.02000	0.1414	1.617	0.3
XVIII	3.1416	0.247	0.777	0.048	90.91	0.062	0.156	0.02000	0.1414	2.010	0.3
XIX	3.1416	0.113	0.354	0.010	90.91	0.028	0.093	0.02000	0.1414	1.191	0.3



Managing Director
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Karkhana Ltd., Shirol, Post, Dattanagar
Tal. Shirol, Dist. Kolhapur.

C. Restrictions on Velocity of Flow:

To maintained the velocity of flow in between 0.8 m/s to 3.0 m/s, by adjusting slop of the drainage line. Some of the drainage path exceeds the velocity of flow more than 3.0 m/s. Therefore by adjusting the slop of the drainage line we can maintain the velocity of flow below 3.0 m/s.

Table 10: Calculations to maintained velocity of flow by adjusting slop of the cross drainage pipe

Description of Cross Drainage	n	$R^{2/3}$	V	$S^{1/2}$	S
III	0.011	0.234317	3	0.14083485	0.019834
IV	0.011	0.285032	3	0.11577647	0.013404
V	0.011	0.266058	3	0.12403311	0.015384
VI	0.011	0.27766	3	0.11885039	0.014125
VII	0.011	0.33363	3	0.09891197	0.009784
VIII	0.011	0.367361	3	0.08982989	0.008069
IX	0.011	0.364595	3	0.09051139	0.008192
X	0.011	0.380823	3	0.08665443	0.007509
XII	0.011	0.47803	3	0.06903332	0.004766

Note: $V = 1/n [R^{2/3} S^{1/2}]$, i.e. $S^{1/2} = V \cdot n/R^{2/3}$

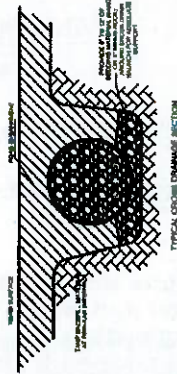
Here, velocity of flow exceed the 3.0 m/s, hence velocity is taken as 3.0 m/s for cross calculation purpose.



Managing Director
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Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 07: RAIN WATER HARVESTING

SYMBOL	DESCRIPTION	REVISION
1	ROAD SIDE DRAIN	
2	CONCRETE AREA WITH DRAIN	
3	CONCRETE DRAINAGE	
4	LAKE	
5	CONTOUR LINE	
6	DIRECTION OF FLOW BY GRAVITY	
7	PUTT BOUNDARY	
8	ROAD DRAIN END	
9	CONCRETE DRAINAGE	



DATE - 08.11.2019	SCALE - 1:500	DRWING BT - VS	VAIBHAV SALUNKHE & ASSO. B.E. (CIVIL) ARCHITECTURAL & STRUCTURAL ENGINEER KACHUKARALE, M - 9551765194 MAIL - vaibhavsalkar@yahoo.com
DRAWING TITLE - CONTOUR MAP & DRAINAGE LAYOUT			
FOR - SHREE DATTI SHETAKARI SAHAKARI SAKHAR KARAKHANA LTD,			
AT - SHIROL 415 120.			



Managing Director
Shree Datti Shetakari Sahakari Sakhar
Karkhana Ltd., Shirol Post, Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 08: HAZARDOUS WASTE & DISPOSAL

MPCB-CONSENT-0000211622/CO/2411001420

Renewal of Consent to operate for Sugar unit 15000 TCD Capacity granted under Red category.

The consent to operate is granted upto 31.07.2025

Conditions under Hazardous & Other Wastes (M & T M) Rules 2008 for treatment and disposal of hazardous waste:


Sr No	Type of Waste	HW Category.	Quantity & UoM	Treatment	Disposal
1	5.1 Used or spent oil	5.1	0.4 MT/M	Burned in boiler with bagasse/sale to authorized recycler	Burned in boiler with bagasse/sale to authorized recycler

The applicant shall ensure disposal to the Actual user having permissions under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016.

a. The applicant shall properly collect, transport & regularly dispose of the hazardous waste to CHWTSDf, in compliance of the Hazardous & Other Wastes (Management & Transboundry Movement) Rules, 2016 and keep proper manifest thereof.

Note: The Industry is collecting Hazardous waste which is used or spent oil is mixed with bagasse and burned in to the boiler.




Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 09: MOCK DRILL DETAILS



Registered Post A/D
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

kip.dattsssk@gmail.com

जा.क्र. २६९०

/एलडब्ल्यूओ/मॉकड्रिल/२०२४

दि ०३/०८/२०२४

रजि ए.डी

मा.ए.एम.अवसारेसाहे,

मा.सह संचालकसौ

औद्योगिक सुरक्षा व आरोग्य,

सिटी सर्वे नं.८५२/८, बी वॉर्ड,

रघुकुल बिल्डींग, तळमजला, सुभाष रोड, कोल्हापूर.

ई मेल आय डी- jddish.kol-mh@gov.in

विषय:- कारखान्यामध्ये मॉकड्रिल (Mock Drill) घेऊन अहवाल सादर करणेबाबत.

महोदय,

उपरोक्त विषयास अनुसरून कळविणेत येते की कारखान्याच्या मॅन्युफॅक्चरिंग विभागाकडे दि २२/०७/२०२४ रोजी अपघात हाताळण्याची रंगीत तालीम (Mock Drill) घेणेत आले आहे. सदर रंगीत तालीम (Mock Drill) चा अहवाल फोटोग्राफसह यासोबत सादर करीत आहोत.

फळावे.

आपला विश्वासू
श्री.दत्त शेत.सह.सा.का.लि.शिरोळ

(आय एम मुल्लाणी)
फॅक्टरी मॅनेजर

(एम व्ही पाटील)
कार्यकारी संचालक

सोबत वरील प्रमाणे

D:\A C\SAFETY OFFICER\Mock Drill File\Fitnet\Mock Drill July 2024.docx



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post Dattanagar
Tal. Shirol, Dist. Kolhapur.

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ANNEXURE 09: MOCK DRILL DETAILS



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

klp.dattsssk@gmail.com

OBSERVATION RECORD OF MOCK DRILL

Date : 22/07/2024 Time: 9.05 AM
Area : Sulphatation Section Manufacturing Department
Communication : Production Manager, Safety Officer
Scenario : SO₂ Gas exposure to Worker while cleaning Gas line (sparger) in Sulphiter.

Sequence of events:-

1. At around 9.05 AM Mr. Anil Patil enters the Sulphiter for Gas line cleaning.
2. At 9.13 AM Mr. Anil Patil feels irritation of the nose and throat also difficulty in breathing and nausea.
3. Mr. Ramesh Mane & Sanjay Parit Standing outside the sulphiter as observer immediately pull the victim from Sulphiter manhole & reported the incident to Production Manager Mr. Vishwajit Shinde.
4. Mr. Vishwajit Shinde instructs the workers to shift the victim in fresh Air Area and informs the incident to emergency control Room.
5. Mr. S. B. Koli Security Officer Operated the Emergency siren immediately and called the Ambulance.
6. All employees in sulphatation section on hearing the emergency siren rush to assembly point.
7. First -Aid Team told victim to take deep breaths at slow and steady pace also they tried to keep victim hydrated.
8. Ambulance arrived at 9.20 AM. Victim was shifted to Hospital at 9.23 AM for Further treatment.
9. Emergency closed at 9.26 AM After Sharing the findings and suggestions for Improvement.

Page 2 of 5



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 09: MOCK DRILL DETAILS



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

klp.dattsssk@gmail.com

After Emergency Mr. Sachin Patil-Safety Officer discussed in brief precautions to be taken while working in confined Space. In a Follow up meeting along with team members discussion about observations done & Feedback taken.

Positive Findings:-

1. Observers Mr.Ramesh Mane & Sanjay Parit immediately pulled victim from sulphiter & Shifted him to fresh Air.

Short Comings:-

Cleaning from outside with water before entering the sulphiter was not done properly also fan was not applied to remove gases. Monitoring of gases present in sulphiter was not done before entering.

Action plan for non-Compliances observed during Mock Drill:-

Use of Multi Gas monitor to perform atmospheric testing prior to entering a Confined Space Must be done.

Details of Mock Drill:→

Date of Mock drill : 22/07/2024

Time : 09.05 AM

Emergency Control Center: Sulphation Section.

Name of Chief Controller: M.V.Patil – Managing Director

Name of Site Controller: I.M.Mullani – Works & Factory Manager.

Responses: →

Mock Drill Started: 09.05 PM

Mock Drill Completed: 09.26 PM

Total time for Mock Drill Completion: 21 Min

Response of various Teams: 5 Min

Reponses of people after hearing emergency siren: 2 min

Page 3 of 5



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post.Dattanagar
Tal.Shirol, Dist Kolhapur.

ANNEXURE 09: MOCK DRILL DETAILS



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

klp.dattsssk@gmail.com

PHOTOS

Entering in Sulphiter for Gas line cleaning



Pulling victim from sulphiter



Shifting victim in fresh air area



First-Aid



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

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ANNEXURE 09: MOCK DRILL DETAILS



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

klp dattssk@gmail.com

Shifting of victim to Hospital



Addressing on Mock-Drill



	Presented by	Approved by
Sign		
Name	I. M. Mullani	M.V. Patil
Designation	Factory Manager	Managing Director
Date	03/08/2024	03/08/2024



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post Dattanagar
Tal. Shirol, Dist. Kolhapur.

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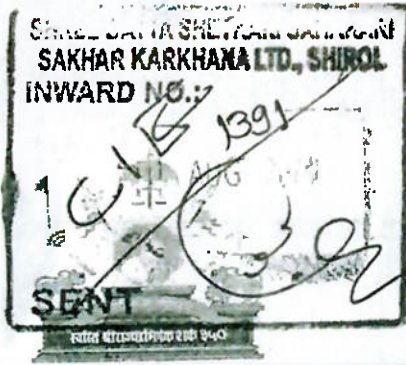
Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd.

ANNEXURE 10:
WATER LIFTING PERMISSION



A handwritten signature in blue ink, consisting of a large 'S' followed by a checkmark-like flourish.

Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol Post, Dattanagar
Tal. Shirol, Dist. Kolhapur.



ANNEXURE 10: WATER LIFTING PERMISSION



महाराष्ट्र शासन जलसंपदा विभाग
कोल्हापूर पाटबंधारे विभाग (उत्तर), कोल्हापूर
सिंचन भवन, ताराबाई पार्क कोल्हापूर पिन- ४१६००३



ई मेल - eekidkopn@gmail.com
दूरध्वनी क्र. ०२३१-२६५४७३६
फॅक्स- ०२३१-२६५४७३५

जा.क्र. कोपावि(उ)/ प्रशा-३/ बिगरसिंचन / ८४११/सन २०२४ दिनांक - १३/०८/२०२४

प्रति,

मा. कार्यकारी संचालक,
श्री दत्त सहकारी साखर कारखाना, दत्तनगर शिरोळ,
ता. शिरोळ जि.कोल्हापूर पिन-४१६१२०

विषय : श्री दत्त सहकारी साखर कारखाना, दत्तनगर शिरोळ, ता. शिरोळ जि.कोल्हापूर पिन-४१६१२० यांना मूळ मंजूर बिगरसिंचन पाणी आरक्षण परवान्या अंतर्गत औद्योगिक प्रयोजन व घरगुती प्रयोजनासाठीचा सन २०२४ - २०२५ करिता (दि.०१/०७/२०२४ पासून दि.३०/०६/२०२५ वर्षाकरिता वार्षिक करारनामा मंजूर करणेबाबत.

संदर्भ : १) शासन परिपत्रक क्र. बिपापु१००१/(७१३/२००१)सिव्य(धो)/दिनांक ११/०३/२००३
२) शासन परिपत्रक क्र. पापव-२०१५/(प्र.क्र.४००/२०१५)सिव्य(महसूल)/दिनांक १५/१२/२०१५ .
३) शासन निर्णय क्र. पापव-२०१५/(प्रक्र.८८/२०१५)/सिव्य(महसूल) दि. २१/०४/२०१६.
४) महाराष्ट्र जलसंपत्ती नियमन प्राधिकरण यांचे आदेश जा.क्र. मजनिप्र/ २०२२/ ठो.ज.प्र. आ/ २०२२/ २१२ दिनांक ३०/०३/२०२२
५) महाराष्ट्र शासन जलसंपदा विभाग, शासननिर्णय क्र.बिसिआ-२०१९/(३६५/२०१९)सि.व्य.(धो) दिनांक ०१/११/२०२३
६) मुख्य अभियंता (जसं) पुणे यांचे ज्ञापन मुअ/काअ-२/मुदका/७०१६/ ३५३९, दि. ८/८/२००३
७) आपले पत्र जा.क्र. १६००/सिक्कील/इरिगेशन दिनांक १७/०६/२०२४ प्राप्त दिनांक २७/०६/२०२४
८) या कार्यालयाचे पत्र जा. क्र. कोपावि(उत्तर)/ प्रशा -३/ बिगरसिंचन/ ५७३१/ दिनांक ०८/०७/२०२४

उपरोक्त विषयान्वये विभागांतर्गत येणा-या राधानगरी प्रकल्प पंचगंगा नदीवरील शिरोळ को.प.बंधारावरून औद्योगिक प्रयोजनासाठी ०.२७७० द.ल.घ.मी व पिण्यासाठी ०.१९९० द.ल.घ.मी असे एकूण ०.४७६ द.ल.घ.मी आरक्षण मंजूर आहे.

संदर्भ क्र.७ अन्वये आपण केलेल्या विनंती अर्जानुसार सन २०२४-२०२५ (दि.०१/०७/२०२४ पासून दि.३०/०६/२०२५) या कालावधीसाठी एक वर्षाकरिता औद्योगिक प्रयोजनासाठी ०.२१३० द.ल.घ.मी व घरगुती प्रयोजनासाठी ०.१७०० द.ल.घ.मी असे एकूण ०.३८३० द.ल.घ.मी इतके पाणी आरक्षित/ कमी करणेसाठीचा वार्षिक करारनामा खालील अटीच्या अधिन राहून मंजूर करणेत येत आहे.

१) महाराष्ट्र शासनामार्फत बिगरसिंचन पाणी वापराबाबत वेळोवेळी निर्गमित होणारे शासन निर्णय व मूळ मंजूर परवान्यातील अटी आपल्यावर बंधनकारक राहतील याची कृपया नोंद घ्यावी.

२) करारनाम्याचे नुतनीकरण करणेपूर्वी शासनाचे उपरोक्त संदर्भित पत्रामधील सर्व अटी व शर्ती बंधनकारक राहतील तसेच त्यांचे काटेकोरपणे पालन घेणे महत्वाचे आहे.



Managing Director

G. RAJESHWARI, SHIROOL, DIST. KOLHAPUR, MAHARASHTRA. 1 वर्ष कारारनामा, 1 वर्ष कारारनामा मंजूरी.docx

Karkhana Ltd., Shirol, Post, Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 10: WATER LIFTING PERMISSION

- ३) मंजूर पाणी अथवा प्रत्यक्ष पाणी वापर यापैकी जे अधिक असेल त्या परिमाणाच्या प्रमाणात होणारा वहनव्यय पाणी वापर कर्त्याला सोसावयाचा आहे.
- ४) आपल्या संस्थेस एक वर्षाकरिता मंजूर करण्यात येणा-या पाणी कोट्याच्या १०० % पर्यंत वार्षिक पाणी वापराकरिता अनुज्ञेय दर आकारण्यात येईल. १००% ते १२५ % पाणी वापराकरिता अनुज्ञेय दराच्या १.५० पट दर आणि १२५% पेक्षा जास्त वापरास ३.० पट दर लागू असतील याची नोंद घ्यावी.
- ५) मुख्य अभियंता (जस) पुणे यांचे पत्र जा.क्र. मुअ (जस) /का अ-२/उअ-३/प्रशा-८/०४ दिनांक ०२/०१/२०२३ यांचे पत्रानुसार ज्या संस्थांचा वाणिज्य पाणी वापरामध्ये शाळा व कॉलेज (महाविद्यालय), हॉस्टेल, बाग बगीचा, यामध्ये समावेश होत असेल त्यांना बिगरसिंचन देयकामध्ये वाणिज्य प्रयोजनाचा दर लागू राहील.
- ६) तसेच संदर्भ क्र.८ अन्वये कळविणेत आलेल्या सर्व अटीच्या अधिन राहून सदरचा वार्षिक करारनामा हा दिनांक ०१/०७/२०२४ ते ३०/०६/२०२५ पर्यंत (एक वर्ष) मंजूर करणेत येत आहे.

सोबत: मंजूर वार्षिक करारनामा प्रत

(स्मिता चेतन माने)
कार्यकारी अभियंता
कोल्हापूर पाटबंधारे विभाग(उत्तर)
कोल्हापूर.

प्रत : सहायक अभियंता श्रेणी -१, शिरोळ पाटबंधारे उपविभाग शिरोळ-कुरंदवाड यांना माहिती व आवश्यक कार्यवाहीसाठी

२/- सदर वार्षिक पाणी आरक्षणानुसार १ जुलै २०२४ ते ३० जून २०२५ या जलवर्षासाठी परिशिष्टातील दर हे प्रतिवर्ष १०% सरळदराने वार्षिक देयक आकारणी करणेत यावी



(Signature)

ANNEXURE 11:
SITE VISIT REPORT





ANNEXURE 11: SITE VISIT REPORT

भारतसरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE
क्षेत्रीय कार्यालय
REGIONAL OFFICE
Ground Floor, East Wing, New Secretariat Building
Civil Lines, Nagpur - 440001
E-mail: apecfcentral-ngp-mef@gov.in



F.No: EC-1022/RON/2021-NGP/12006

Date: 09.08.2023

To,

The Member Secretary,
Environment department
Room No. 217, 2nd Floor
Mantralaya, Annexe
Mumbai- 400 032

Sub: Environment clearance granted for Expansion of sugar factory Capacity from proposed Expansion of Sugarcane crushing capacity from 9000 TCD to 15000 TCD, Distillery capacity from 60 KLPD to 90 KLPD and establishment of 21+5 MW Co-Generation Power Plant by M/s Shree Datta Shetkari Sahakari Sakhar Karkhana Limited at Agar bagh shirol, Maharashtra.

Ref: SEIAA, Government of Maharashtra vide letter no. SEIAA-EC-0000002257 Dated 01.06.2020

Sir,

I am directed to invite your kind attention on the above subject and letters under reference. Site inspection of sugar and distillery plants of M/s. Shree Datta Shetkari Sahakari Sakhar Karkhana Limited at Datta Nagar, Shirol, Kolhapur, Maharashtra has been carried out on 25.05.2023. Inspection report is enclosed herewith. Following observations were made during the site inspection:

Site inspection of the project has been carried out on 25.05.2023. SEIAA, Maharashtra vide letter dated 01.06.2020 granted environmental clearance for the expansion of Sugar Plant with crushing capacity from 9000 TCD to 15000 TCD, Molasses based distillery from 60 KLPD to 90 KLPD and establishment of co-gen power plant with 21 MW (Bagasse based boiler) + 5 MW (Incineration Boiler). During the site inspection it was observed that, the sugar plant was in not in operation (off-season). Installation for distillery was completed the production is yet to be. The co-generation power plant was yet to be established. Sugar Plant expansion was carried out from 9000 TCD to 12000 TCD.

ESP has been provided for the bagasse fired boiler. Online stack emission monitoring system was provided. ETP has been provided for the treatment of effluent being generated at



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 11: SITE VISIT REPORT

the plant. Treated water is being recycled into the process. PP submitted that the excess treated effluent is being used for irrigation in the company owned lands. Spent wash generated in the distillery is being utilised in composting process. Online effluent quality monitoring system was provided for monitoring of the treated water. Collection tanks have been provided for rain water. Housekeeping found to be good.

Following conditions were partly complied:

General Condition no. 1

Advertisement was made, however the clause of seven days was not followed.

General Condition no. 12

During the site inspection, it was observed that plantation was carried out in and around the plant along with colony area and internal roads. As per the information provided, green belt has been developed over an area of 29.39 ha. with the plantation of trees of different species. However, plantation needs to be strengthened around the bagasse yard to avoid bagasse particles getting airborne.


PP shall ensure implementation of Green belt development plan along with CSR/CER/EMP works. 30% of the fund must be earmarked for Water/moisture conservation and planting/distribution of seedlings as per the choice of local people.


Surender Gugloth
Scientist 'E'

Encl: as above

Copy to:

1. The Managing Director, Shree Datta SSSK Limited, Post: Datta Nagar, Taluka Shirol, Kolhapur, Maharashtra-416120 (Project shall submit action plan for the compliance of the non/partial compliances raised in the monitoring report).


Surender Gugloth
Scientist 'E'




Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post: Dattanagar
Tal. Shirol, Dist. Kolhapur.

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 1st June 2020.</p> <p>The industry expanded the sugarcane crushing capacity from 9500 TCD to 12000 TCD only, distillery capacity remains same as 60 KLPD even though the expansion up to 90 KLPD is already completed but the production is yet to start and co-generation power plant is yet to be established.</p>
3.	Clearance Letter (s) / OM No. and date	SEIAA-EC-0000002257 Dated- 1 st June 2020
4.	Location District (s) State (s) Latitude Longitude	At Dattanagar, Tal. Shirol, Dist. Kolhapur, Maharashtra by Shree Datta Shetkari Sahakari Sakhar Karkhana Limited Kolhapur Maharashtra 16 45'N 74 36'E
5.	Address for correspondence 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 Shetkari Sahakari Sakhar Karkhana Ltd., Shirol, Post-Dattanagar, 416120 Tal-Shirol, Dist-Kolhapur Tel No.: (02322) 236551 (6 lines) Fax. No.- (02322) 236600
6.	Salient features Of the Project	The factory expanded sugar factory



Managing Director
 Shree Datta Shetkari Sahakari Sakhar
 Karkhana Ltd., Shirol, Post-Dattanagar
 Tal. Shirol, Dist. Kolhapur.

ANNEXURE 11: SITE VISIT REPORT

		<p>capacity 9500 TCD to 12000 TCD only for which the Consent to operate is received vide MPCB-CONSENT-0000150628/CO/2212000050 dated 01/12/2022.</p> <p>The industry has fully executed expansion of distillery capacity from 60 KLPD to 90 KLPD, but the production is yet to start.</p>
	Of the Environmental Management Plan	<p>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.</p> <p>2. Rainwater harvesting is already implemented & collected in a pond & used for green belt development/ process after treatment.</p> <p>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.</p> <p>4. The industry has provided online monitoring system and connected to CPCB/MPCB servers.</p> <p>5. The raw spentwash generated is treated based on concentration in MEE followed by composting for 30 KLPD distillery and for 60 KLPD distillery MEE followed by incineration in order to achieve the Zero Liquid Discharge.</p>
7.	Breakup of the Project area Submergence Area: Forest & Non Forest Others	Not Applicable.
	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 Urjankur Shree Datta power ltd. The maintenance of the area & green belt development is carried out by Shree Datta SSSK Ltd. Thus the total area available with Datta SSSK Ltd is only 62.04hectares.
	Built - Up Area (Including Road)	22.11 Ha
	Open Space available	0.48 Ha
	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 SC, ST/Adivasis Others (Please indicate whether these figures are	Not Applicable.



Managing Director
Shree Datta Sahakari Sahakari Sakhar
Karkhana Ltd., Shirol, Post Dattanagar
Tal. Shirol, Dist. Kolnapur.

ANNEXURE 11: SITE VISIT REPORT

	based on any scientific and systematic survey carried out or only provisional figures. If a survey carried out gives details and years of survey.)	
9.	Financial Details	
	Project costs as originally planned & subsequent revised estimates and the year of price reference.	Sugar - 151.16 Crores & Distillery - 26.3022 Crores.
	Allocations made for Environmental Management Plan with item wise & year wise breakup.	The budget allocation for EMP is 35.5 Crores.
	Benefit Cost Ratio / Internal rate of Return and the year of assessment	Not Applicable
	Whether (c) includes the cost of Environmental Management as shown in the above.	No
	Actual expenditure incurred on the Project so far	Expansion of Sugar unit: 119.31 Cr/ 104.51 Cr Expansion of distillery unit: 119.72Cr
	Actual expenditure incurred on the Environmental Management Plan so far	Expansion of Sugar unit: 9.28 Cr (For up gradation of ETP- 4.58 Cr, installation of CPU-4.29 Cr and installation of STP- 41 Lakhs)
10.	Forest land requirement The status of approval for diversion of Forestland for non-forestry use The Status of clearing felling The status of compensatory Afforestation programme in the light of actual field experience	Nil
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 Date of commencement (Actual and/or Planned) Date of completion (Actual and/or Planned)	For 9500 TCD to 12000 TCD Sugar unit Commencement date: 15/07/2022 Completion date: 06/10/2022 For 60 KLPD to 90 KLPD distillery Unit: Commencement date: 26/06/2022 Completion Date: 12/12/2022 (Distillery Production shall be started in the 1 st week of January 2023)
13.	Reasons for the delay if the project is yet to start	NA
14.	Dates of site visits The dates on which the Project was monitored by Regional Office on previous occasions, if any Date of site visit for this monitoring Report	24/09/2021 10/11/2022 & RO Visit: 07/12/2022
15.	Details of correspondence with project	Enclosed.



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

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ANNEXURE 11: SITE VISIT REPORT

<p>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)</p>	
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A handwritten signature in blue ink, consisting of a large loop followed by a horizontal stroke.

Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 11: SITE VISIT REPORT

Compliance status of conditions stipulated in environment clearance granted for Expansion of sugar factory Capacity from proposed Expansion of Sugarcane crushing capacity from 9000 TCD to 15000 TCD, Distillery capacity from 60 KLPD to 90 KLPD and establishment of 21+5 MW Co-Generation Power Plant by M/s Shree Datta Shetkari Sahakari Sakhar Karkhana Limited at Agarbagh shirol, Maharashtra granted by SEIAA, Maharashtra vide letter no. SEIAA-EC-0000002257 Dated 01.06.2020

SEIAA, Maharashtra vide letter dated 01.06.2020 granted environmental clearance for the expansion of Sugar Plant with crushing capacity from 9000 TCD to 15000 TCD, Molasses based distillery from 60 KLPD to 90 KLPD and establishment of co-gen power plant with 21 MW (Bagasse based boiler) + 5 MW (Incineration Boiler). The site inspection was carried out on 24.09.2021. The sugar plant was in not in operation (off-season), Installation for distillery 60 KLPD to 90 KLPD completed the production is yet to be start. The co-generation power plant was yet to be established. Sugar Plant expansion was carried out from 9000 TCD to 12000 TCD.

Specific Conditions:

Sr. No.	Condition	Compliance Status
1.	PP to prepare and implement year wise plan to achieve 100% drip irrigation for the area under sugar cane cultivation.	Complying with As per information provided, the industry is implementing the drip irrigation programme on 4235 Acres of land out of the 4747 Acres of land since 2010. The industry has distributed the loan amount of Rs. 15,54,22,085/- towards the implementation of the same. The industry is also providing the subsidy to the farmers and as such Rs. 1,80,96,285/- is distributed to the farmers. PP submitted action plan for drip irrigation and status of implementation is enclosed as Annexure-I
2.	PP to prepare and implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.	As per the information provided by PP. Industry has spent Rs. 491.29 lakhs during the period for (2020-2023)
3.	PP to ensure that CER plan gets approved from District Collector.	on Corporate Environment Responsibility for Sanitation, Saline soil improvement of farmers. Drainage and

Shy



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar,
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 11: SITE VISIT REPORT

		<p>Waste Treatment plant facility and Educational Aids such as Computer, E-learning in factory area.</p> <p>PP shall concentrate on improvement of Environment (Water Conservation Planation nearby villages, Infrastructure development) in nearby villages. Copy of details expenditure spent on CER activity is placed as Annexure. II</p>
4.	PP to ensure to comply with the conditions stipulated in the Office Memorandum issued by MoEF& CC dated 9.08 2018.	PP agreed to comply with
General Conditions:		
1.	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 as makeup water for cooling tower/boiler. Industry has its own ETP & CPU & Hence there is no discharge of effluent into CETP.
2.	No additional land shall be used/ acquired for any activity of the project without obtaining proper Permission.	PP agreed upon
3.	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.	During the site inspection it was observed that Personal Protective Equipment (PPE) was provided for the employees. Health checkup of the employees is being carried out once in 6 months. The records are being maintained in Form-07.
4.	Proper Housekeeping programmers shall be implemented.	Complying with. Housekeeping during the site inspection found to be good.
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.	PP agreed to comply with.



Managing Director
 Shree Datta Shetkari Sahakari Sakhar
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 Tal. Shirol, Dist. Kolhapur.

ANNEXURE 11: SITE VISIT REPORT

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)	A DG set with acoustic enclosure was provided. Stack of height 6 meters was provided for the DG set.
7.	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Complying with. A pond of storage capacity 3,00,000 cu.m. has been provided for collection of the rain water from the plant and other areas.
8.	Arrangement shall be made that effluent and storm water does not get mixed.	Complying with. Effluent from the plant is being transferred through closed pipelines. Separate collection system has been provided for storm water.
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.	PP submitted Monitoring report is placed as Annexure- III
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.	
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.
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 has already planted 44004 trees. The greenbelt over and above 33% of the total factory area. Photographs are attached as Annexure- IV . However, plantation needs to be strengthened around the bagasse yard to avoid bagasse particles getting airborne.

[Signature]



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Managing Director

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Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post, Dattanagar
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ANNEXURE 11: SITE VISIT REPORT

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.	The project is an agro based industry. Fire hydrant line was provided. Fire extinguishers were provided at different locations.
14	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	Complying with. Health check-up of the employees is being carried out once in 6 months. The records are being maintained in Form-07.
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 brigades are available with the industry and arrangement also has been made to contact the nearby industries and municipalities for fire brigades in case of emergencies. Photographs are attached as Annexure-V
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.	Complying with. MPCB granted authorization vide letter no. Format 1.0/ UAN No. MPCB-CONSENT-0000102937/CO 2103001364 dated 22.03.2021 with validity up to 31.07.2024. As per the authorization granted by MPCB, used oil is the only hazardous waste generated at the project. PP submitted that used oil is burnt with bagasse in bagasse fired boiler.
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.	Complying with. As per the information provided, mock drills are conducted once in 6 months.



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18	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	A separate environment cell was setup with qualified and experienced in their concerned fields.
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.	PP agreed to comply with. PP submitted that annual budget is being allocated for environment protection works. As per the information provided, an amount of Rs. 6786.00 lakhs was spent on environment protection works till date.
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	Partly complied. Advertisement was made, however the clause of seven days was not followed.
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.	PP submitted six monthly compliance report regularly to RO.

fyg



[Signature]

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5 Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post, Dattanagar
Tal. Shirol, Dist. Kolhapur.

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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.	As per the information provided, copy of the EC was submitted to Shirol Nagar Parishad
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 sectorial 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.	Complying with. PP uploaded the six monthly compliance report in their website. Criteria pollutant levels are being displayed at the project site.
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.	PP submitted the six monthly compliance reports.
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.	PP has submitted Environmental Statement



ANNEXURE 11: SITE VISIT REPORT

	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.	
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(Surender Gugloth)
Scientist 'E'




Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.



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 (8 Lines), Fax : (02322) 236800

ldp.dattsssk@gmail.com



Ref.No. 6214 / Moef-CC/2021-22

Date: 22/12/2021

To,
The Regional Officer
Ministry of Environment, Forest and Climate Change,
Regional Office (WCZ),
Nagpur - 440 001.

**Subject:- Action plan for the Regional Office (MoEF&CC) Certified
Environment Clearance Conditions compliance report**

Ref:-

1. Certified Compliance report of EC Conditions- Vide F. No. EC-1022/RON/2019-NGP/8968 dated 03.12.2021
2. Environment clearance for expansion of sugarcane crushing capacity from 9000 TCD to 15000 TCD, Distillery capacity from 60 KLPD to 90 KLPD and establishment of 21*5 MW Cogeneration power plant. SEIAA-EC-0000002257 Dated 01.06.2020
3. Environment Clearance received for expansion of sugarcane crushing capacity from 7500 TCD to 9000 TCD Sugar Unit Vide F. No. SEIAA-EC-0000000326 Dated 1.06.2018
4. Environment clearance for capacity expansion of the distillery capacity from 30 KLPD to 60 KLPD Vide F. No. J-11011/33/2001-IA II (I) dated 11.12.2001

Dear Sir,

With reference to the above subject matter, we are submitting herewith the action plan for non-complied and partially complied EC Conditions as per the RO (MoEF&CC) Certified EC Compliance report Vide F. No. EC-1022/RON/2019-NGP/8968 dated 03.12.2021. The site visit was carried out on 24.09.2021.

Kindly acknowledge and issue final RO (MoEF&CC) certified report.

Thanking you,

Yours faithfully,
for Shree Datta S. S. K. Ltd., Shirol

(M. V. Patil)

Managing Director

Dr/Suresh Patil-21/MPE&B/1.T.R.doc-17



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post, Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 11: SITE VISIT REPORT

**Action plan for implementation of the observations made during the site visit by The Regional Officer,
Nagpur dated 24.09.2021**

Sr. No.	EC Conditions	Observation	Compliance by PP
	Not Complied		
i.	Specific Conditions PP to prepare and implement year wise plan to achieve 100% drip irrigation for the area under sugar cane cultivation.	During the site inspection, it was observed that the expansion of the project is yet to be carried out. However, PP did not provide any time bound action plan for the compliance of this condition.	The part expansion work from 9000 TCD to 9500 TCD is implemented against proposed total expansion of 15000 TCD. The industry received consent to establish expansion of 9500 TCD to 12000 TCD (Vide F. No. Format 10/CAC/UAN No. MPCB-CONSENT-0000109633/CB-2108001635 Dated 25.08.2021) and accordingly expansion work is initiated. The copy of CTE is enclosed as Annexure-I. As soon as the approval from MPCB is received the industry shall operate with 12000 TCD capacity. The expansion work of 60 KLPD to 90 KLPD distilleries is not yet implemented. Considering the techno-economic feasibility and advantages of Ethanol Blended with Petrol Programme (EBP) of Government of India (GoI), the industry decided not to implement the expansion of 60 KLPD to 90 KLPD Distillery (As per EC SEIAA-EC-0000002257 dated 1st June 2020). Instead the industry decided to expand the distillery capacity from 60 KLPD to 300 KLPD by installing additional 240 KLPD Distillery plant to manufacture Ethanol only. The industry is intended to supply the additional ethanol (240 KLPD) under Ethanol Blended with Petrol Programme and now applying for environment clearance to MoEF & CC for the same as per EIA Notification 2006 and Amendments thereof under Category B2.



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post, Dattanagar
Tal Shirol, Dist Kolhapur.

ANNEXURE 11: SITE VISIT REPORT

Sr. No.	SC Conditions	Observation	Compliance by PP
		A letter (enclosed as Annexure-I) was provided which doesn't have any date or details of authority to which it was addressed. Hence the same was not accepted as the compliance. Also, PP did not provide the latest status of implementation drip irrigation.	The drip irrigation programme is implemented by the industry to support the agriculture activities within the command area. The industry is implementing the drip irrigation programme since 2010 and around 4235 Acres out of 4747 Acres of land is brought under drip irrigation scheme. The industry has distributed the loan amount of Rs. 15,54,22,085/- towards the implementation of the same. The subsidy from the Government of Maharashtra of Rs. 1,80,96,285/- is distributed to the farmers. The action plan for drip irrigation and status of implementation is enclosed as Annexure-II for your ready reference.
viii.	General Conditions Periodic monitoring of ground water shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.	As per the monitoring report, ground water is being monitored only at one location. PP did not provide details of monitoring of ground water nearby compost yard.	The ground water is monitored once in three months near compost yard. The analysis report provided for well - Desai farm is located near compost yard only. Also, we are enclosing herewith the analysis reports of piezometers provided near compost yard as Annexure-III. Also we have increased the monitoring of ground water quality locations to four locations instead of one location. The frequency of monitoring is revised to once in a Month. The analysis reports of this season are enclosed as Annexure-III. The revised environment monitoring programme along with funds earmarked is enclosed as Annexure-IV.
ix.	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	PP did not monitor the noise levels regularly. The last noise levels were monitored only during December 2020. During the site inspection, maintenance activity was in progress. Personal Protective Equipment was provided for the	The noise levels are monitored regularly. The frequency of monitoring was once in three months. The last noise levels monitored in February 2021 and the operation of sugar unit was ended on 23 rd March 2021. The monitoring reports were submitted during the 6-monthly compliance reports for the period December 2020 to June



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

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Sl. No.	EC Conditions	Observation	Compliance by PP
		employees.	2021. The copy of the same is enclosed as Annexure-V. Also, after the start of current crushing season (2021-22), we have revised the monitoring plan as per the suggestions received and as such the noise levels are monitored at 10 locations within the factory once in a month. The monitoring reports for the month October, November and December 2021 are enclosed as Annexure-VI.
	Partially Complied		
	General Conditions		
xi.	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.	During the site inspection, it was observed that plantation was carried out in and around the plant along with colony area and internal roads. As per the information provided, green belt has been developed over an area of 29.39 ha. With the plantation of trees of different species. However, plantation needs to be strengthened around the bagasse yard to avoid bagasse particles getting airborne.	The industry reserved 29.39 Hectares (37.57%) of land for As per the CPCB, considering 1500 Trees per hectares the industry shall plant 44,085 numbers of trees. The industry has already planted about 40,000 Trees, and remaining 4085 trees shall be planted within one year. The plantation shall be carried out near bagasse yard and storage area in order to strengthen the greenbelt. We have reserved Rs. 15 Lakhs towards the implementation of the same.
xvi.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Environment management cell was established with Environment Officer. However, it was observed that environmental quality is not being monitored regularly. PP shall monitor the ambient air quality (at least 4 locations covering colony area), fugitive emissions covering colony area), fugitive emissions covering colony area), ground water quality (near compost yard as per CPCB guidelines), Noise levels (ambient and work zone), soil quality (of the agriculture fields to which the treated	As per the suggestions received during the site visit, the industry has monitored the ambient air quality at 4 Locations, Groundwater quality at 4 locations, noise level at 10 locations, and soil quality at 4 locations. The parameters were monitored once in a month from NABL. Approved laboratory. The monitoring reports are enclosed as Annexure-VII. The environment monitoring frequency is revised as per the suggestions received; the same shall be implemented and followed regularly.




Managing Director
Shree Datta Shetkari Sahakari Sakhar
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Tal Shirol, Dist. Kolhapur.

ANNEXURE 11: SITE VISIT REPORT

Sr. No.	EC Conditions	Observation	Compliance by PP
		<p>water is supplied). The ambient air fugitive emissions and noise levels shall be monitored once in a month during the crushing season. Soil quality shall be monitored once in 6 months.</p> <p>PP shall ensure regular monitoring of the above parameters (through MoEF & OC recognised/NABL accredited laboratory) including looking after environment infrastructure through Environment Management Cell.</p>	




Managing Director
 Shree Datta Shetkari Sahakari Sakhar
 Karkhana Ltd., Shirol, Post Dattanagar,
 Tal Shirol, Dist. Kolhapur.



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

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Phone : (02322) 236551 (6 Lines), Fax : (02322) 236600

kjp.dattsssk@gmail.com

Ref.No. 3322- /EC/2023-24

Date : 12/08/2023

To,
Regional Officer (WCZ),
 Integrated Regional Office,
 Ground Floor, East Wing,
 New Secretariat Building,
 Civil Lane, Nagpur- 440001.

Sub : Action Plan against partly-compliance and recommendation received in certified compliance report from Regional Officer, Nagpur, MoEF&CC.

Ref : 1. Certified compliance letter received from RO, Nagpur MoEF&CC vide F. No. EC-1022/RO/2021-NGP/12006 dated 09th August, 2023.
 2. SEIAA, Government of Maharashtra vide letter no. SEIAA-EC-0000002257 dated 01st June, 2020.

Dear Sir,

With reference to above cited subject & reference, We have noted all the points in the letter and we here with submitting following action plan against partly-compliance from RO, Nagpur, MoEF&CC.

S. N.	Non-Compliance	Action Plan
Environment Clearance certificate (Sugar and Distillery)		
General conditions -		
1.	General conditions no. 1 Advertisement was made; however, the clause of seven days was not followed.	The advertisement letter was provided to advertisement agency dated 06.06.2020, i.e., within 6 days of EC granted (dated 01.06.2020). The acknowledgement copy from advertisement agency is attached in Annexure-I , for ready reference. Further the delay in publishing the advertisement was from the advertisement agency. We were unable to take follow-up of the same due to limited manpower in operation imposed by the pandemic restriction during the same tenure. The advertisement published is attached in Annexure-I , for reference. Hence, due to pandemic condition, clause of seven days unable to follow.



Managing Director
 Shree Datta Shetkari Sahakari Sakhar
 Karkhana Ltd., Shirol, Post: Dattanagar
 Tal. Shirol, Dist. Kolhapur.

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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

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klp.dattassk@gmail.com

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<p>2. General conditions no. 12 During the site inspection, it was observed that plantation was carried out in and around the plant along with colony area and internal roads. As per the information provided, green belt has been developed over an area of 29.39 ha, with the plantation of trees of different species. However, plantation needs to be strengthened around the bagasse yard to avoid bagasse particles getting airborne.</p>	<p>At present bagasse yard has been covered properly with steel sheets in order to prevent bagasse particles airborne. However, the plantation of trees with different species will be carried around the bagasse yard immediately. Budgetary provision and other relevant calculations are enclosed as Annexure-II.</p>
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Kindly acknowledge the same and oblige.

Thanking You,

Yours faithfully,

for Shree Datta S. S. S. K. Ltd., Shirol

(M. V. Patil)

Managing Director

D:\Suresh Patil-23 MFCB BLTR doc-14-15



Managing Director

Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 12: PUBLIC HEARING REPORT

**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 10.11.2018 at 11:00 AM at Late Dattajirao Kadam Kanger 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 B (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

Managing Director

ANNEXURE 12: PUBLIC HEARING REPORT

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, Zila Parishad, Kolhapur
- 4 Environment Department, Mumbai
- 5 M. P. C. B. (head office), Mumbai
- 6 Tahsildar Office, Shirol, Taluka Shirol
- 7 Grampanchayat, Dhanangubi
- 8 Grampanchayat, Shirol
- 9 Grampanchayat, Agar
- 10 Grampanchayat, Ajjurwad
- 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.



ANNEXURE 12: PUBLIC HEARING REPORT

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Accordingly, environmental consultant of the Management, Dr. B. Subhanshu 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, topographical map, contour map etc.

He further explained this is not expansion of sugar factory but only the modernization. Karkhana utilizes 800 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 (USDPCCL) to Shree Datta SSSK Ltd., Shirol. During modernization usage of steam will be bring down up to 34% from existing 38% on cane. Now a days, sugar factory requires 7.5 MW electricity which increases up to 9.12 MW after modernization.

USDPCCL 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 allows 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 coffee/tea land area.
For Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd, Shirol



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 12: PUBLIC HEARING REPORT

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Water budget -

After modernization factory need not require more water as well as it will generate less effluent. Factory having well equipped ETP of 200 m³ capacity per day. Currently, 324.28 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 85.45 hectares out of which green belt comprises 29.84 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, isoplethetes for PM₁₀, isoplethetes for PM_{2.5}, isoplethetes for SO_x, isoplethetes of NO_x, 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 9800 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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ANNEXURE 12: PUBLIC HEARING REPORT

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2	Mr. Bhaichandra Langate, 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, Harwad.	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. Yaloba 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. Appasa 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.



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post, Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 12: PUBLIC HEARING REPORT

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, Akwat.	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 Gufand, 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 Dhanaaji 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



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post, Dattanagar
Tal, Shirol, Dist. Kolhapur.

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	<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>
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ANNEXURE 12: PUBLIC HEARING REPORT

15	Mr. Avinash Sunashrao 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. Dilip 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 10 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 Buryavanshi, 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 purposes. 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.



ANNEXURE 12: PUBLIC HEARING REPORT

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19	Mr. Dangu 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 8000 trees and prevented pollution.
20	Mr. Shamgonda Pungonda Patil, village Jambhalli	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 Bapusa Pant, 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, Ajunwad	Due to use of treated waste water for agriculture, the average sugarcane production has gone to 80 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 Dilipasa 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 Shodshal 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 Sahakari Sakhar Karkhana Ltd.



ANNEXURE 12: PUBLIC HEARING REPORT

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		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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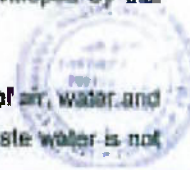
Environment Consultant of the Karkhana, Dr B. Subbarao submitted his explanation to above issues as follows:-

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. For the purpose of Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd, the waste water is not



Six Monthly Compliance Report

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Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 12: PUBLIC HEARING REPORT

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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, Kondiga

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.


(Souendra Gokwad)
Convener
Cum
Sub Regional Officer,
MPCB, Kolhapur.


(H. H. Shivangli)
Member
Cum
Regional Officer,
MPCB, Kolhapur


(Sanjay Shinde)
Chairman
Cum
Additional District Magistrate
Kolhapur



ANNEXURE 13 : PROJECT COST

Addition of Equipment Suitable for 15000 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 by 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 TUPR roller above the existing TRP	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 Crane	Modification and extension of gantry suit new 6 th mill	25
Total-			915



For Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd; Shirol



ANNEXURE 13 : PROJECT COST
ADDITION OF EQUIPMENT SUITABLE FOR 15000 TCD & ITS TENTATIVE COST

Sr.No.	Equipment Name	Cost In Laes
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/Clar Juice DCH	75
09.	32 Feet Clarifier	100
	Total-	574

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

Steam-

Steam requires for 375 TCH Cane Crushing is 135 TPH @ 35 % 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



ANNEXURE 14 : EFFLUENT & STORM WATER



STORM WATER COLLECTION IN LAKE



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post.Dattanagar
Tal.Shirol, Dist.Kolhapur.

ANNEXURE 15: ANALYSIS REPORT



SEC

Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhat", Opp. Sahayognagar, M.S.E.B. Road, Vihrambag, Sangli - 416 415.
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QCI - NABET Accredited EIA Consultant Organization - Certificate No.
NABET / EIA / 23-26 / RA 0334, Valid upto Dec 12, 2026.
NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 27-01-2025

AMBIENT AIR QUALITY REPORT

Report Ref. No. : SEC/AA-MZ/08-24			End of Analysis : 02 September 2024		
Name of Industry/ Customer: Shri Datta Shetkari SSK Ltd., Dattanagar.			Report Date : 02 September 2024		
Address: Dattanagar – 416120, Tal: Shirol, Dist. Kolhapur.			Lab ID/ Sample Ref. No. : AA1-MZ		
Date of Collection / Sampling : 31 August 2024			Sample Description: Ambient Air		
Date of Receipt : 01 September 2024			Sample Collected By: SEC Lab		
Sample Location : Factory Main Gate					
Sr. No.	Parameter	Unit	Result	Standard Limit	Test Method
1	Particulate Matter (PM 10)	µg·m ⁻¹	53	100	IS 5182 (Part 23): 2006 Reaffirmed 2012
2	Particulate Matter (PM 2.5)	µg/m ³	21	60	SEC/SOP/Air/Ambient/03:2018
3	Sulphur Dioxide (as SO ₂)	µg·m ⁻¹	6.2	80	IS 5182 (Part 2): 2001
4	Nitrogen Dioxide (as NO _x)	µg·m ⁻¹	8.1	80	IS 5182 (Part 6): 2006

Analyzed By



Authorized Signatory
Technical Manager/ Quality Manager

PAN NO. AAMFD6620P ■ REGISTRATION NO. PN00000996 ■ GSTIN : 27AAMFD6620P1ZW ■ TAN : KLPD02394A



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 15: ANALYSIS REPORT



SEC

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NABET / EIA / 23-26 / RA 0334, Valid upto Dec 12, 2026.

NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 27-01-2025

AMBIENT AIR QUALITY REPORT

Report Ref. No. : SEC/AA-MZ/08-24	End of Analysis : 02 September 2024
Name of Industry / Customer: Shri Datta Shetkari SSK Ltd., Dattanagar.	Report Date : 02 September 2024
Address: Dattanagar - 416120, Tal: Shirol, Dist. Kolhapur.	Lab ID / Sample Ref. No. : AA2-MZ
Date of Collection / Sampling : 31 August 2024	Sample Description: Ambient Air
Date of Receipt : 01 September 2024	Sample Collected By: SEC Lab
Sample Location : Distillery Plant	

Sr. No.	Parameter	Unit	Result	Standard Limit	Test Method
1	Particulate Matter (PM 10)	$\mu\text{g}/\text{m}^3$	61	100	IS 5182 (Part 23): 2006 Reaffirmed 2012
2	Particulate Matter (PM 2.5)	$\mu\text{g}/\text{m}^3$	27	60	SEC/SOP/Air/Ambient/03:2018
3	Sulphur Dioxide (as SO_2)	$\mu\text{g}/\text{m}^3$	6.9	80	IS 5182 (Part 2): 2001
4	Nitrogen Dioxide (as NO_x)	$\mu\text{g}/\text{m}^3$	9.4	80	IS 5182 (Part 6): 2006

Analyzed By



Authorized Signatory
Technical Manager/ Quality Manager



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post, Dattanagar
Tal. Shirol, Dist. Kolhapur.

PAN NO. AAMFD6620P ■ REGISTRATION NO. PN00000996 ■ GSTIN : 27AAMFD6620P1ZW ■ TAN : KLPD02394A

ANNEXURE 15: ANALYSIS REPORT



SEC

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NABET / EIA / 23-26 / RA 0334, Valid upto Dec 12, 2026.

NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 27-01-2025

DIESEL GENERATION SET MONITORING REPORT

Report Ref. No. : SEC/DG-MZ/08-24	End of Analysis : 02 September 2024
Name of Industry/Customer : Shri Datta Shetkari SSK Ltd., Dattanagar.	Report Date : 02 September 2024
Address: Dattanagar - 416120, Tal. Shirol, Dist. Kolhapur	Lab ID/Sample Ref. No. : AA1-MZ
Date of Collection / Sampling : 31 August 2024	Sample Description: DG Set
Date of Receipt : 01 September 2024	Sample Collected By: SEC Lab

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	2.96	0.27	0.15	0.36

Analyzed By



Authorized Signatory
Technical Manager/ Quality Manager



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

PAN NO. AAMFD6620P ■ REGISTRATION NO. PN00000996 ■ GSTIN : 27AAMFD6620P1ZW ■ TAN : KLPD02394A

ANNEXURE 15: ANALYSIS REPORT



SEC

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QC1 - NABET Accredited EIA Consultant Organization - Certificate No.

NABET / EIA / 23-26 / RA 0334, Valid upto Dec 12, 2026,

NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 27-01-2025

**TEST REPORT
STACK EMISSIONS**

Report Ref. No.	SEC/Distillery Stack-MZ/08-24
Report Date	02 September 2024
Name of industry	Shri Datta Shetakari SSK Ltd., Dattanagar.
Address	Dattanagar - 416120, Tal: Shirol, Dist. Kolhapur.
Start Date of commencement of Sampling	31 August 2024
Start Time of commencement of Sampling	03:30 pm
End Date of commencement of Sampling	31 August 2024
End Time of commencement of Sampling	04:00 pm
Retention period of the remnant sample	30 days

PARTICULARS OF STACK

Stack attached to boiler	25 TPH Incineration Boiler
Stack Diameter	4.00 m
Stack Height	70.00 m
Stack Temperature	137°C
Stack Velocity of Flue Gases	11.9 m/s
Type of Fuel	Bagasse + Concentrated Raw Spentwash

POLLUTION PARAMETER RESULTS

Parameter	Results	Limits	Units	Method Used
Particulate Matter (PM)	134	150	mg/Nm ³	IS 11255 (Part 1): 1985, Reaffirmed 2003
SO ₂	43	80	mg/Nm ³	IS-11255 (Part 2): 1985 Reaffirmed 2009

Note: The test report shall not be reproduced except in full without written approval of the laboratory.

Analyzed By



Authorized Signatory
Technical Manager/ Quality Manager



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post Dattanagar
Tal. Shirol, Dist. Kolhapur.

PAN NO. AAMFD6620P ■ REGISTRATION NO. PN00000996 ■ GSTIN : 27AAMFD6620P1ZW ■ TAN : KLPD02394A

ANNEXURE 15: ANALYSIS REPORT



SEC

Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.
Phone - Sangli - 0233 - 2301857, (M) 9372109522, 9890992118, 9890454493,
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QCI - NABET Accredited EIA Consultant Organization - Certificate No

NABET / EIA / 23-26 / RA 0334, Valid upto Dec 12, 2026,

NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 27-01-2025

NOISE LEVEL MEASUREMENT REPORT

Report Ref. No. : SEC/NL-IF/11-23	End of Analysis : 06 December 2023
Name of Industry / Customer: Shri Datta Shetkari SSK Ltd., Dattanagar.	Report Date : 07 December 2023
Address: Dattanagar - 416120, Tal: Shirol, Dist. Kolhapur.	Lab ID/Sample Ref. No. : NL-IF
Date of Collection / Sampling : 30 November 2023	Sample Description: Noise Level
Date of Receipt : 01 December 2023	Sample Collected By: SEC Lab

Sr. No.	Location of recording Sound level	Unit	Results	Time	Standard Limit dB (A) Leq	Test Method
1.	Near Sugar Mill Gate	dB (A) Leq	54.9	Day	75	IS 9989
			50.5	Night	70	
2.	Near Cane Yard	dB (A) Leq	62.3	Day	75	IS 9989
			57.8	Night	70	
3.	Near Sugar Mill House	dB (A) Leq	68.3	Day	75	IS 9989
			62.6	Night	70	
4.	Near Boiler House	dB (A) Leq	70.2	Day	75	IS 9989
			68.5	Night	70	
5.	Near Co-gen Plant	dB (A) Leq	55.8	Day	75	IS 9989
			52.4	Night	70	
6.	Near Distillery Plant	dB (A) Leq	57.1	Day	75	IS 9989
			54.3	Night	70	
7.	Near Sugar ETP Plant	dB (A) Leq	58.6	Day	75	IS 9989
			54.0	Night	70	
8.	Near CPU Plant	dB (A) Leq	55.8	Day	75	IS 9989
			52.1	Night	70	
9.	Near General Office	dB (A) Leq	51.9	Day	75	IS 9989
			48.3	Night	70	
10.	Near Factory Colony	dB (A) Leq	47.6	Day	55	IS 9989
			40.7	Night	45	

Analyzed By



Authorized Signatory
Technical Manager/ Quality Manager

PAN NO. AAMFD6620P ■ REGISTRATION NO. PNC0000996 ■ GSTIN : 27AAMFD6620P1ZW ■ TAN : KLPD02394A



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol Post Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 15: ANALYSIS REPORT



SEC

Dr. SUBBARAO'S ENVIRONMENT CENTER

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NABET / EIA / 23-28 / RA 0334, Valid upto Dec 12, 2025,

NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 27-01-2025

TEST REPORT

Report Ref. No. : SEC/W-IF/11-23	End of Analysis : 06 December 2023
Name of Industry/Customer: Shri Datta Shetkari SSK Ltd., Dattanagar.	Report Date : 07 December 2023
Address: Dattanagar - 416120, Tal: Shirol, Dist. Kolhapur.	Lab ID/Sample Ref. No. : IF1 & IF2
Date of Collection / Sampling : 30 November 2023	Nature of Sample: Water
Date of Receipt : 01 December 2023	Sample Collected By: SEC Lab
Date of Analysis: 01 December 2023	Sample Quantity : 1 lit
Name of Sample : Sugar ETP Untreated & Sugar ETP Treated Water Samples	

Sr. No.	Test Parameter	Sugar ETP Untreated	Sugar ETP Treated	Unit	Standards for Treated Sample	Test Method
1	pH @ 25 °C	4.71	7.62	-	5.5-9.0	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	3469	129	mg/l	250	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	1651	46	mg/l	100	IS:3025 (P-44) 1993
4	Total Dissolved Solids	2857	974	mg/l	2100	IS:3025(P-16)1984
5	Total Suspended Solids	269	51	mg/l	100	IS:3025 (P-17) 1984
6	Chloride as Cl ⁻	454	70	mg/l	600	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	203	137	mg/l	1000	IS:3025 (P-24) 1986
8	Oil & Grease	10	ND	mg/l	10	IS:3025 (P-39) 1991 (RA 2003)

Remarks:

Thanking you,

Analysed By



B. Subbarao

Authorized Signatory
Technical Manager/ Quality Manager

PAN NO. AAMFD6620P ■ REGISTRATION NO. PH00000996 ■ GSTIN : 27AAMFD6620P1ZW ■ TAN : KLPD02394A



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 15: ANALYSIS REPORT



SEC

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NABL Quality Assurance Laboratory Accredition Certificate No TC - 6121 valid upto 27-01-2025

TEST REPORT

Report Ref. No. : SEC/W-IF/11-23	End of Analysis : 06 December 2023
Name of Industry/Customer: Shri Datta Shetakari SSK Ltd., Dattanagar.	Report Date : 07 December 2023
Address: Dattanagar - 416120, Tal: Shirol, Dist. Kolhapur.	Lab ID/Sample Ref. No. : IF3 & IF4
Date of Collection / Sampling : 30 November 2023	Nature of Sample: Water
Date of Receipt : 01 December 2023	Sample Collected By: SEC Lab
Date of Analysis: 01 December 2023	Sample Quantity : 1 lit
Name of Sample : STP Inlet & STP Outlet Water Samples	

Sr. No.	Test Parameter	STP Inlet	STP Outlet	Unit	Test Method
1	pH at 25 °C	7.44	6.90	-	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	927	82	mg/l	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	382	24	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	737	530	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	139	61	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl ⁻	205	139	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	118	83	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

Remarks:

Thanking you,

Analysed By



Po Sudhanho

Authorized Signatory
Technical Manager/ Quality Manager

PAN NO. AAMFD6620P ■ REGISTRATION NO. PN00000996 ■ GSTIN : 27AAMFD6620P1ZW ■ TAN : KLPD02394A



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd. Shirol, Post Dattanagar
Tal. Shirol, Dist. Kolhapur.

Page No.78

ANNEXURE 15: ANALYSIS REPORT



SEC

Dr. SUBBARAO'S ENVIRONMENT CENTER

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NABET / EIA / 23-26 / RA 0334, Valid upto Dec 12, 2026,

NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 27-01-2025

TEST REPORT

Report Ref. No. : SEC/W-IF/11-23	End of Analysis : 06 December 2023
Name of Industry/Customer: Shri Datta Shetkari SSK Ltd., Dattanagar.	Report Date : 07 December 2023
Address: Dattanagar - 416120, Tal: Shirol, Dist. Kolhapur.	Lab ID/Sample Ref. No. : IF5 & IF6
Date of Collection / Sampling : 30 November 2023	Nature of Sample: Water
Date of Receipt : 01 December 2023	Sample Collected By: SEC Lab
Date of Analysis: 01 December 2023	Sample Quantity : 1 lit
Name of Sample : Sugar CPU Inlet & Sugar CPU Outlet Water Samples	

Sr. No.	Test Parameter	Sugar CPU Inlet	Sugar CPU Outlet	Unit	Test Method
1	pH @ 25 °C	6.91	7.31	-	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	337	54	mg/l	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	112	10	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	109	115	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	16	ND	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl ⁻	24	16	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	33	27	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

Remarks:

Thanking you,

Analysed By



13. Setkar

Authorized Signatory
Technical Manager/ Quality Manager

PAN NO. AAMFD6620P ■ REGISTRATION NO. PN0000096 ■ GSTIN : 27AAMFD6620P1ZW ■ TAN : KLPD02394A



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol Post Dattanagar
Tal. Shirol, Dist. Kolhapur.

Page No.79

ANNEXURE 15: ANALYSIS REPORT



SEC

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NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 27-01-2025

TEST REPORT

Report Ref. No. : SEC/W-IF/11-23	End of Analysis : 06 December 2023
Name of Industry/ Customer: Shri Datta Shetkari SSK Ltd., Dattanagar.	Report Date : 07 December 2023
Address: Dattanagar - 416120, Tal: Shirol, Dist. Kolhapur.	Lab ID/Sample Ref. No. : IF7
Date of Collection / Sampling : 30 November 2023	Nature of Sample: Water
Date of Receipt : 01 December 2023	Sample Collected By: SEC Lab
Date of Analysis: 01 December 2023	Sample Quantity : 1 lit
Name of Sample : Sugar Spraypond Overflow	

Sr. No.	Test Parameter	Result	Unit	Test Method
1	pH @ 25 °C	7.73	-	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	829	mg/l	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	337	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	1031	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	163	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl ⁻	74	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	190	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

Remarks:

Thanking you,
Analyzed By



B. S. Unnikrishnan
Authorized Signatory
Technical Manager/ Quality Manager

PAN NO. AAMFD6620P || REGISTRATION NO. PN00000996 || GSTIN : 27AAMFD6620P1ZW || TAN : KLPD02394A



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 15: ANALYSIS REPORT



SEC

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NABET / EIA / 23-26 / RA 0334, Valid upto Dec 12, 2026,
NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 27-01-2025

TEST REPORT

Report Ref. No. : SEC/W-IF/11-23	End of Analysis : 06 December 2023
Name of Industry/Customer : Shri Datta Shetkari SSK Ltd., Dattanagar.	Report Date : 07 December 2023
Address: Dattanagar - 416120, Tal: Shirol, Dist. Kolhapur.	Lab ID/Sample Ref. No. : IF8 & IF9
Date of Collection / Sampling : 30 November 2023	Nature of Sample: Water
Date of Receipt : 01 December 2023	Sample Collected By: SEC Lab
Date of Analysis: 01 December 2023	Sample Quantity : 1 lit
Name of Sample : Co-gen ETP Inlet & Co-gen ETP Outlet Water Samples	

Sr. No.	Test Parameter	Co-gen ETP Inlet	Co-gen ETP Outlet	Unit	Test Method
1	pH @ 25 °C	7.22	7.63	-	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	517	104	mg/l	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	191	33	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	734	598	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	82	51	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl ⁻	206	176	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	114	102	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

Remarks:

Thanking you,

Analysed By



B. Subbarao

Authorized Signatory
Technical Manager/ Quality Manager

PAN NO. AAMFD6620P ■ REGISTRATION NO. PN00600996 ■ GSTIN : 27AAMFD6620P1ZW ■ TAN : KLPD02394A



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Markhana Ltd., Shirol Post Dattanagar
Tal. Shirol, Dist. Kolhapur

Page No.81

ANNEXURE 15: ANALYSIS REPORT



SEC

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NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 8121 valid upto 27-01-2025

TEST REPORT

Report Ref. No. : SEC/W-IF/11-23	End of Analysis : 06 December 2023
Name of Industry/Customer: Shri Datta Shetkari SSK Ltd., Dattanagar.	Report Date : 07 December 2023
Address: Dattanagar - 416120, Tal: Shirol, Dist. Kolhapur.	Lab ID/Sample Ref. No. : IF10
Date of Collection / Sampling : 30 November 2023	Nature of Sample: Water
Date of Receipt : 01 December 2023	Sample Collected By: SEC Lab
Date of Analysis: 01 December 2023	Sample Quantity : 1 lit
Name of Sample Drinking Water - Inside Factory	

Sr No	Test	Units	Results	IS:10500 Standards		Test Method
				Acceptable Limits	Permissible limit in the absence of alternate source	
1	pH	---	7.09	6.5 - 8.5	No relaxation	IS:3025 (P-11)
2	Turbidity	NTU	0.1	1	5	IS:3025 (P-10)
3	Total Alkalinity (as CaCO ₃)	mg/l	105	200	600	IS:3025 (P-23)
4	Total Dissolved Solids	mg/l	239	500	2000	IS:3025 (P-16)
5	Chloride (as Cl)	mg/l	41	250	1000	IS:3025 (P-32)
6	Total Hardness (as CaCO ₃)	mg/l	128	200	600	IS:3025 (P-21)
7	Calcium (as Ca)	mg/l	45	75	200	IS:3025 (P-40)
8	Magnesium (as Mg)	mg/l	4	30	100	IS:3025 (P-46)
9	Fluoride (as F)	mg/l	0.21	1.0	1.5	IS:3025 (P-60)
10	Nitrate (as NO ₃)	mg/l	0.57	45	No relaxation	IS:3025 (P-34)
11	* Total Coliform Bacteria	MPN/100ml	ND	Shall not be detectable in any 100 ml sample		IS:5887 (P-I)

Remarks: Water is Potable.

Thanking you,

Analysed By



B. Subbarao

Authorized Signatory
Technical Manager/ Quality Manager

PAN NO. AAMFD6620P ■ REGISTRATION NO. PN00009996 ■ GSTIN : 27AAMFD6620P1ZW ■ TAN : KLPD02394A



Managing Director
Shree Datta Shetkari Sakhari Sakhar
Karkhana Ltd., Shirol, Post Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 15: ANALYSIS REPORT



SEC

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NABET / EIA / 23-26 / RA.0334, Valid upto Dec 12, 2026,

NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 27-01-2025

TEST REPORT

Report Ref. No. : SEC/W-IF/11-23			End of Analysis : 06 December 2023		
Name of Industry/Customer: Shri Datta Shetakari SSK Ltd., Dattanagar.			Report Date : 07 December 2023		
Address: Dattanagar – 416120, Tal: Shirol, Dist. Kolhapur.			Lab ID/Sample Ref. No. : IF11		
Date of Collection / Sampling : 30 November 2023			Nature of Sample: Water		
Date of Receipt : 01 December 2023			Sample Collected By: SEC Lab		
Date of Analysis: 01 December 2023			Sample Quantity : 1 lit		
Name of Sample & Location: Domestic Raw Water					
Sr. No.	Test Parameter	Unit	Result	IS:2296 Standards	Test Method
1	Color	Hazen	< 5	--	IS:3025 (P-4) 1983
2	Odor	--	Agreeable	--	IS:3025 (P-5) 1983
3	pH @ 25 °C	--	8.05	6.5 – 8.5	IS:3025 (P-11) 1983
4	Turbidity	NTU	2.1	--	IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	mg/l	165	--	IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	mg/l	15	--	IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	mg/l	< 4	--	IS:3025 (P-44) 1993
8	Total Dissolved Solids	mg/l	410	2100 *	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	mg/l	105	600	IS:3025 (P-32) 1988
10	Hardness (as CaCO ₃)	mg/l	226	--	IS:3025 (P-21) 1983
11	Calcium (as Ca)	mg/l	64	--	IS:3025 (P-40) 1991
12	Magnesium (as Mg)	mg/l	16	--	IS:3025 (P-46) 1994
13	Sodium (as Na)	mg/l	47.1	--	IS:3025 (P-45) 1993
14	Potassium (as K)	mg/l	4.3	--	IS:3025 (P-45) 1993
15	% Na (Max)	%	30.71	60	By Calculation
16	Sodium Absorption Ratio	---	1.36	26	By Calculation
17	Residual Sodium Carbonate	meq/l	-1.23	2.5	By Calculation
18	Electrical Conductivity	µmhos/cm	630	2250	IS:3025 (P-14) 1984

Remarks:

Thanking you,

Analysed By



D. Subbarao

Authorized Signatory

Technical Manager/ Quality Manager





PAN NO. AAMFD6620P ■ REGISTRATION NO. PN00000996 ■ GSTIN : 27AAMFD6620P1ZW ■ TAN : KLPD02394A



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd, Shirol, Post Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 17: LEAK DETECTION DEVICE PHOTOGRAPHS

PHOTOS-

Spillage of Ethyl Alcohol	Maintenance Team Attending Pump Leakage
	
Dry Sand Sprayed over Spillage	Addressing on Mock Drill
	



ANNEXURE 16: ANALYSIS REPORT



SEC

Dr. SUBBARAO'S ENVIRONMENT CENTER

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NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 8121 valid upto 27-01-2025

NOISE LEVEL MEASUREMENT REPORT'

Report Ref. No. : SEC/NL-IF/11-23	End of Analysis : 06 December 2023
Name of Industry Customer: Shri Datta Shetkari SSK Ltd., Dattanagar.	Report Date : 07 December 2023
Address: Dattanagar - 416120, Tal. Shirol, Dist. Kolhapur.	Lab ID / Sample Ref. No. : NL-IF
Date of Collection / Sampling : 30 November 2023	Sample Description: Noise Level
Date of Receipt : 01 December 2023	Sample Collected By: SEC Lab

Sr. No.	Location of recording Sound level	Unit	Results	Time	Standard Limit dB (A) Leq	Test Method
1.	Near Sugar Main Gate	dB (A) Leq	54.9	Day	75	IS 9989
			50.5	Night	70	
2.	Near Cane Yard	dB (A) Leq	62.3	Day	75	IS 9989
			57.8	Night	70	
3.	Near Sugar Mill House	dB (A) Leq	68.3	Day	75	IS 9989
			62.6	Night	70	
4.	Near Boiler House	dB (A) Leq	70.2	Day	75	IS 9989
			68.5	Night	70	
5.	Near Co-gen Plant	dB (A) Leq	55.8	Day	75	IS 9989
			52.4	Night	70	
6.	Near Distillery Plant	dB (A) Leq	57.1	Day	75	IS 9989
			54.3	Night	70	
7.	Near Sugar ETP Plant	dB (A) Leq	58.6	Day	75	IS 9989
			54.0	Night	70	
8.	Near CPU Plant	dB (A) Leq	55.8	Day	75	IS 9989
			52.1	Night	70	
9.	Near General Office	dB (A) Leq	51.9	Day	75	IS 9989
			48.3	Night	70	
10.	Near Factory Colony	dB (A) Leq	47.6	Day	55	IS 9989
			40.7	Night	45	

Analyzed By



Authorized Signatory
Technical Manager/ Quality Manager

PAN NO. AAMFD6620P | REGISTRATION NO. PN00000996 | GSTIN : 27AAMFD6620P1ZW | TAN : KLPD02394A



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 18: FIRE EXTINGUISHER DETAILS & PHOTOGRAPHS



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

klp.dattsssk@gmail.com

OBSERVATION RECORD OF MOCK DRILL

Date : 06/03/2024 Time: 11.10 AM
Area : Sugar Godown No 3
Communication : Factory Manager, Safety Officer
Scenario : Fire Occurrence at Sugar Godown No 3

Sequence of events:-

1. At 11.10 AM, Mr.Rutvik Koli Godown Mazdoor Notices Fire at Sugar Godown No-3 he Immediately inform about the fire to Godown Keeper Mr.R.S.Patil at 11.11 AM
2. At 11.12 AM Godown Keeper along with Mr.Koli rushed at Godown no 3 Immediately he inform about the emergency occurrence of fire to Site Controller Mr.S.A.Chougule.
3. Site Controller rush to emergency control center and declare emergency at 11.14 AM. Security Officer Mr.Koli operated the emergency siren.
4. As soon as siren is heard all the workers will gather near assembly point at 11.16 AM. The firefighting team starts firefighting operations at 11.14 AM with the help of fire extinguishers. Simultaneously Rescue and Evacuation team evacuate affected area. The First Aid team with Ambulance arrived at incident place but they found no Injured persons.
5. Incident Controller Called Fire Brigade for Controlling the fire and to help the firefighting team which put off the fire completely at 11.20 AM. After accessing the situation fire brigade declare all Clear.
6. The Site Controller directed to blow the all clear siren at 11.22 AM.
7. All Teams gather near Assembly Point at 11.24 AM. head count taken at 11.25 AM by Communication Officer Mr.J.B.Desai
8. All the Team will explain how they done their jobs and difficulties faced by them. The Site Controller/Senior Officials discuss the issues with the team members to find out the short comings.



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Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post.Dattanagar
Tal.Shirol, Dist.Kolhapur.

ANNEXURE 18: FIRE EXTINGUISHER DETAILS & PHOTOGRAPHS



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

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klp.dattsssk@gmail.com

Positive Findings:-

1. Electrician Immediately cut off power supply of godown no 3.
2. Combustible Material in Godown was removed by Mechanical team.

Short Comings: -

1. Temporary Light Extension cable joint gets overheated and combustible Material near it caught fire.

Details of Mock Drill:-

Date of Mock drill: 06/03/2024

Time: 11.10 AM

Emergency Control Center: Sugar Godown No 3

Name of Site Controller: S.A.Chougule – Inch. Works & Factory Manager.

Name of Chief Controller: M.V.Patil – Managing Director.

Responses: -

Mock Drill Started: 11.10 AM.

Mock Drill Completed: 11.25 AM.

Total time for Mock Drill Completion: 15 Min.

Response of various Teams: 3 Min.



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

Page 3 of 5

ANNEXURE 18: FIRE EXTINGUISHER DETAILS & PHOTOGRAPHS



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

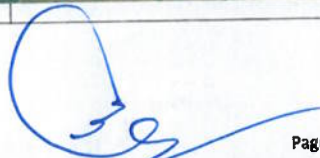
Phone : (02322) 236551 (6 Lines), Fax : (02322) 236600

kdp.dattsssk@gmail.com

PHOTOS-

Fire Incident Information	Attending the Fire
	
Fire Fighting	Fire Fighting Vehicle Arrival
	




Page 4 of 5
Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 18: FIRE EXTINGUISHER DETAILS & PHOTOGRAPHS



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

kdp.dattsssk@gmail.com

Fire Fighting	First Aid Team and Ambulance Arrival
	

Sign	Presented by	Approved by
		
Name	I.M. Mullani	M.V. Patil
Designation	Manager	Managing Director

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Page 5 of 5

Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd, Shirol, Post, Dattanagar
Tal. Shirol, Dist. Kolhapur.

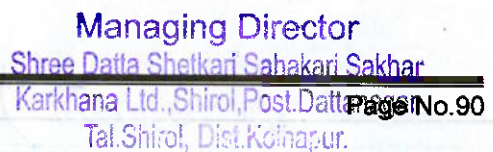
ANNEXURE 18: FIRE EXTINGUISHER DETAILS & PHOTOGRAPHS



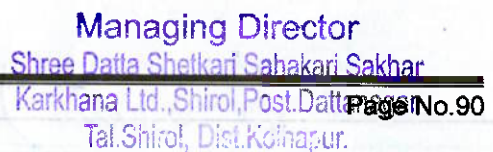
Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post, Datta
Tal. Shirol, Dist. Kolhapur. Page No.90

Karkhana Ltd., Shirol, Post. Datta, Dist. Solapur Page No. 90



Karkhana Ltd., Shirol, Post. Datta, Dist. Solapur Page No. 90



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post, Datta
Tal. Shirol, Dist. Kolhapur. Page No.90

ANNEXURE 20: ACKNOWLEDGEMENT



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 (8 Lines) Fax : (02322) 236600

E-mail : klp.dattssk@gmail.com



Ref. No. 2246 /ENV/EC-EXPN-9000-15000/2020-21

July 10, 2020

To,
Hon'ble Chief Officer,
Shirol Nagar Parishad,
Shirol 416 103
Tal. Shirol, Dist. Kolhapur

Sub: Environment Clearance for the Proposed Expansion
of Sugar Factory Capacity from 9000 TCD to 15000
TCD and Distillery Capacity 60 KLPD to 90 KLPD
and 21+5 MW. Co-gen. Power Plant of Shree Datta
Shetkari Sahakari Sakhar Karkhana Ltd., Shirol,
Taluka Shirol, Dist. Kolhapur.

Ref: State Level Environment Impact Assessment Authority
Dated 1st June 2020.

Respected Sir,

Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd., Shirol,
Post Dattanagar 416 120, Taluka Shirol, Dist. Kolhapur is accorded
Environment Clearance for the Proposed Expansion of Sugar Factory
Capacity from 9000 TCD to 15000 TCD and Distillery Capacity 60 KLPD to
90 KLPD and 21+5 MW. Co-gen. Power Plant, by the State Level
Environment Impact Assessment Authority dated 1st June 2020. A
photocopy of the Environment Clearance is enclosed for your record
as per the Conditions of the Environment Clearance.

Thanking you,

Yours faithfully,
For SHREE DATTA SSK LTD.,

[M. V. PATIL]
MANAGING DIRECTOR

901612020
लिपिक
शिरोळ नगरपरिषद, शिरोळ
ता. शिरोळ जि. कोल्हापूर
SHIROL MUNICIPAL, KOLHAPUR
Encl: Photocopy of Environment Clearance.



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 21: EC CONDITION & COMPLIANCE

ENVIRONMENTAL CLEARANCE CONDITIONS AND COMPLIANCE

Sr. No.	EC Conditions	Compliance
Specific Conditions:		
1.	PP to prepare and implement year wise plan to achieve 100% drip irrigation for the area under sugar cane cultivation.	Noted. Being prepared & implemented. The industry is already implemented the drip irrigation programme on 4909 Acres of land since 2010. The industry has distributed the loan amount of Rs. 18,14,42,713/- towards the implementation of the same. The industry is also providing the subsidy to the farmers and as such Rs. 1,90,06,601/- is distributed to the farmers. The action plan for drip irrigation and status of implementation is enclosed as Annexure-I
2.	PP to prepare and implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.	Industry has spent RS. 1.58 crore on Corporate Environment Responsibility for Sanitation, Drainage and Waste Treatment plant facility and Educational Aids such as Computer, E-learning in factory area.
3.	PP to ensure that CER plan gets approved from District Collector.	Enclosed as Annexure-II
4.	PP to ensure to comply with the conditions stipulated in the Office Memorandum issued by MoEF& CC dated 9th August, 2018.	Noted and complied.
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 as makeup water for cooling tower/boiler. Industry has its own ETP & CPU & Hence there is no discharge of effluent into CETP
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 equipment's are provided to workers. Health records of the employees are maintained as per Occupational Health Studies and enclosed as Annexure-III
4.	Proper Housekeeping programmers shall be implemented.	Complied. Enclosed as Annexure-IX



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd, Shiroli, Post, Dattanagar
Tal. Shiroli, Dist. Kolhapur.

ANNEXURE 21: EC CONDITION & COMPLIANCE

Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd.

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 & Strictly followed.
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.	Already implemented. Collected water is being stored in tanks and used for process water - as - makeup - water - for - cooling tower/boiler/ greenbelt development/gardening.
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.	Monitoring results are enclosed as Annexure-X
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. Noise levels are kept well within the limits.
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 conform 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. Monitoring results are enclosed as Annexure-X
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.	Noted. The industry has already planted 44004 trees. The greenbelt over and above 33% of the total factory area. Photographs are attached as Annexure-IV
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.

Managing Director

Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post, Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 21: EC CONDITION & COMPLIANCE

Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd.

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 brigade 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. Photographs are attached as Annexure-V
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.	Noted & Complied. Attached as Annexure-VII
18	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Separate environment management cell is already established. Attached as Annexure-VIII
19	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.	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	Already complied. Enclosed as Annexure-VI
21	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and	Submitted regularly.

Six Monthly Compliance Report

Page No.94



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol Post, Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 21: EC CONDITION & COMPLIANCE

Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd.

	conditions in hard & soft copies to the MPCB & this department, on 1 st June & 1 st December of each calendar year.	
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 sectorial 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
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.



Managing Director
 Shree Datta Shetkari Sahakari Sakhar
 Karkhana Ltd., Shirol, Post. Dattanagar
 Tal. Shirol, Dist. Kolhapur.

ANNEXURE 21: EC CONDITION & COMPLIANCE



SHREE DATTA SHETKARI SAHAKARI SAKHAR KARKHANA LTD., SHIRO
श्री दत्त शेतकरी सहकारी साखर कारखाना लिमिटेड, शिरो

POST: DATTANAGAR 416 120, TALUKA SHIROI, DIST. KOLHAPUR. (MS) INDIA

पोस्ट : दत्तनगर ४१६ १२०, तालुका शिरोई, जिल्हा कोल्हापूर (महाराष्ट्र) भारत

Phone : (02322) 236551 (6 Lines), Fax : (02322) 236600

kdp.dattsssk@gmail.com

The average registered cane area of our factory is 14500 Hectors and within 2 to 3 years the cane area availability from reclaimed soil will be around 4000 Hectors. Thus the total area under sugar cane will be near about 18500 Hectors. Our Sugar factory Management decided to cover the entire area (i.e.100%) under drip irrigation system. We have already entered into agreement with Jain irrigation, Netafim drip irrigation, finolex plessions and kothari drip irrigation for implementation of drip irrigation scheme. The said scheme is being implemented with 100% loan against recovery from cane payment i.e. 50% recovery from plant cane payment and 50% recovery from ratoon cane payment with interest. Our Sugar Factory assistance in the form of subsidy is Rs.15250 /- Per Hecor to farmers. Drip irrigation maintenance services are given to the farmers upto 3 years.

Drip Irrigation schemes implemented so far in (Hectors)

Sr.No.	Year	Drip irrigation area (in Hec.)
01	2010-2011	623
02	2011-2012	523
03	2012-2013	806
04	2013-2014	572
05	2014-2015	524
06	2015-2016	644
07	2016-2017	569
08	2017-2018	599
09	2018-2019	590
	Total.....	5450

Planing for implementation drip irrigation scheme on the remaining cane area (Hectors).

Sr.No.	Year	Drip irrigation area (in Hec.)
01	2019-2020	1650
02	2020-2021	2000
03	2021-2022	3100
04	2022-2023	3100
05	2023-2024	3200
	Total.....	13050

Yours faithfully
for SHREE DATTA SSSK LTD., SHIROI

M. V. Patil
MANAGING DIRECTOR

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U / Letters



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 21: EC CONDITION & COMPLIANCE

DRIP IRRIGATION IMPLEMENTATION STATUS STILL DATA

Sr.No.	Scheme	Season	No. of Members	Area in Acre	Cost incurred/ loans sanctioned by the industry	Subsidy from the industry	Status
1	49	2010-2011-2012	314	623	2,19,65,381.00	00.00	Implemented
2	58	2012-2013-2014	273	423	1,78,23,736.00	24,38,719.00	Implemented
3	61	2013-2014-2015	533	806	36,53,585.00	40,91,575.00	Implemented
4	64	2014-2015-2016	308	572	2,33,59,487.00	33,17,205.00	Implemented
5	65	2014-2015-2016	136	224	95,60,629.00		Implemented
6	68	2015-16-2017-18	78	144	68,24,246.00	20,96,997.00	Implemented
7	69	2015-16-2017-18	210	295	1,41,65,952.00		Implemented
8	72	2016-2017-2018	249	369	1,87,61,276.00	18,85,571.00	Implemented
9	76	2017-2018-2019	195	235	1,18,90,992.00	14,63,146.00	Implemented
10	79	2018-2019-2020	189	274	1,38,74,559.00	14,46,981.00	Implemented
11	82	2019-2020-2021	196	270	1,35,42,242.00	13,56,091.00	Implemented
12	86	2020-2021-2022	173	238	1,21,46,069.00	1,18,658.00	Implemented
13	89	2021-2022-2023	189	274	1,38,74,559.00	7,91,658.00	Implemented
14	92	2022-2023-2024	111	159	90,62,321.00	00.00	Yet to start
15	93	2023-2024-2025	133	204	1,17,87,067.00	00.00	Yet to start
Total			3287	5113	20,22,92,101.00	1,90,06,601.00	

श्री दत्त शेतकरी सहकारी साखर कारखाना लि. शिरोळ

कारखाना ठिबक सिंचन योजना

अ.न.	योजना	हंगाम	स.संख्या	क्षेत्र एकर	रक्कम	अनुदान
१	४९	२०१०-११-१२	३१४	६२३	२१९६५३८१.००	-----
२	५८	२०१२-१३-१४	२७३	४२३	१७८२३७३६.००	२४३८७१९.००
३	६१	२०१३-१४-१५	५३३	८०६	३६५३५८५.००	४०९१५७५.००
४	६४	२०१४-१५-१६	३०८	५७२	२३३५९४८७.००	३३१७२०५.००
५	६५	२०१४-१५-१६	१३६	२२४	९५६०६२९.००	
६	६८	२०१५-१६-१७/१८	७८	१४४	६८२४२४६.००	२०९६९९७.००
७	६९	२०१५-१६-१७/१८	२१०	२९५	१४१६५९५२.००	
८	७२	२०१६-१७-१८	२४९	३६९	१८७६१२७६.००	१८८५५७१.००
९	७६	२०१७-१८-१९	१९५	२३८	११८९०९९२.००	१४६३१४६.००
१०	७९	२०१८-१९-२०	१८९	२७४	१३८७४५५९.००	१४४६९८१.००
११	८२	२०१९-२०-२१	१९६	२७०	१३५४२२४२.००	१३५६०९१.००
१२	८६	२०२०-२१-२२	१७३	२३८	१२१४६०६९.००	११८६५८.००
१३	८९	२०२१-२२-२३	१८९	२७४	१३८७४५५९.००	७९१६५८.००
१४	९२	२०२२-२३-२४	१११	१५९	९०६२३२९.००	०
१५	९३	२०२३-२४-२५	१३३	२०४	११७८७०६७.००	०
एकूण			३२८७	५११३	२०२२९२१०१.००	१९००६६०१.००

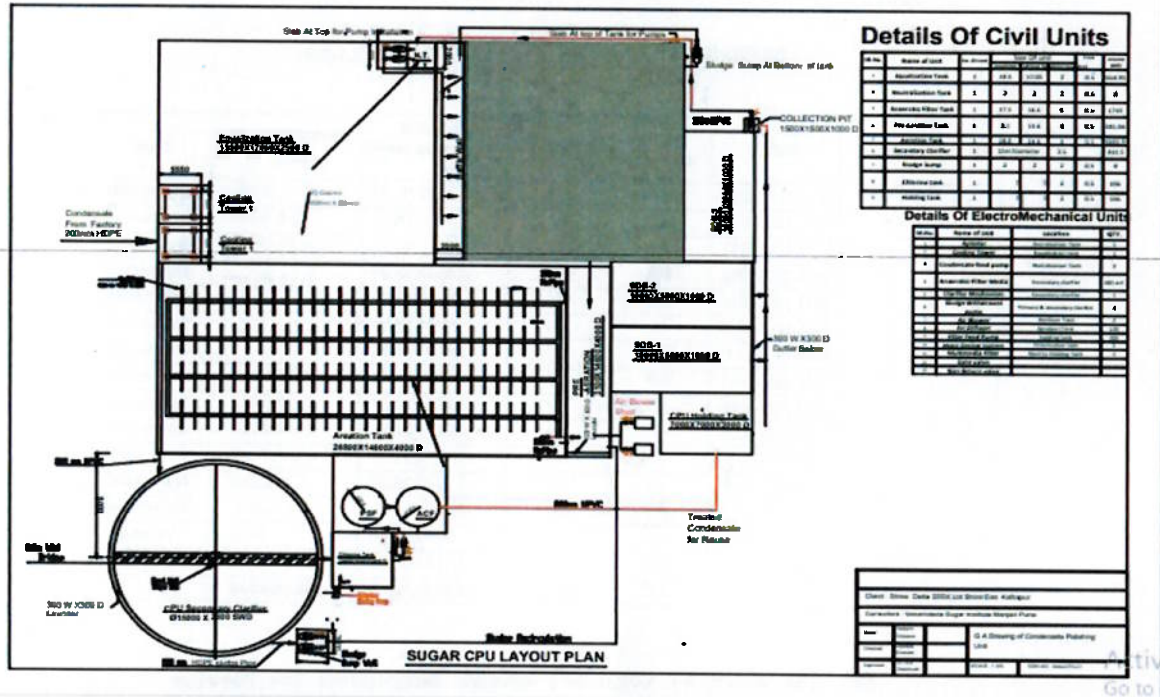
नाबार्ड अंतर्गत ठिबक सिंचन योजना

अ.न.	योजना	हंगाम	स.संख्या	क्षेत्र एकर	रक्कम	अनुदान
१	६५	२०१४-१५-१६	१३६	२२४	९५६०६२९.००	
२	६९	२०१५-१६-१७/१८	२१०	२९५	१४१६५९५२.००	
एकूण			३४६	५१९	१४१६५९५२.००	



ANNEXURE 22 : ETP/STP/CPU PHOTOGRAPHS

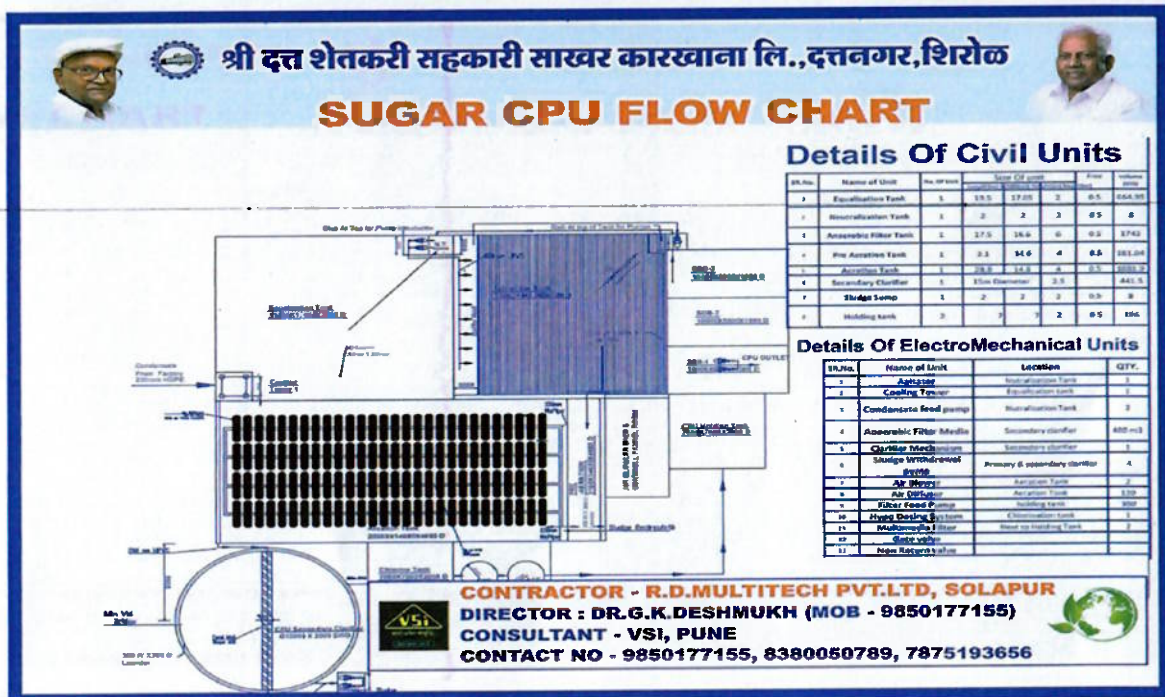
SUGAR CPU LAYOUT PLAN & PHOTOGRAPH



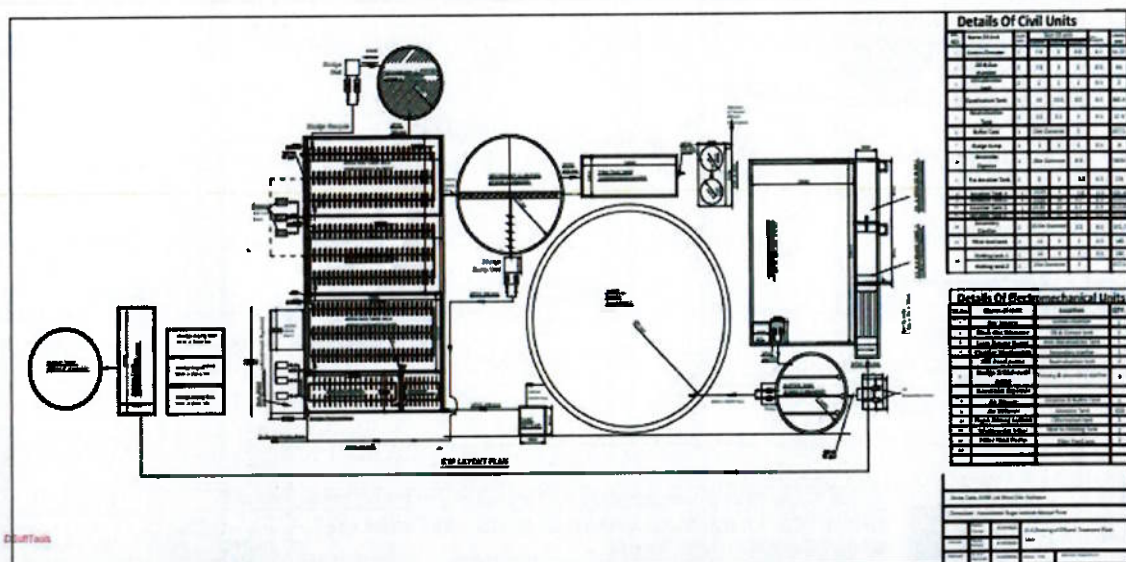
Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post. Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 22 : ETP/STP/CPU PHOTOGRAPHS

SUGAR CPU LAYOUT PLAN & PHOTOGRAPH



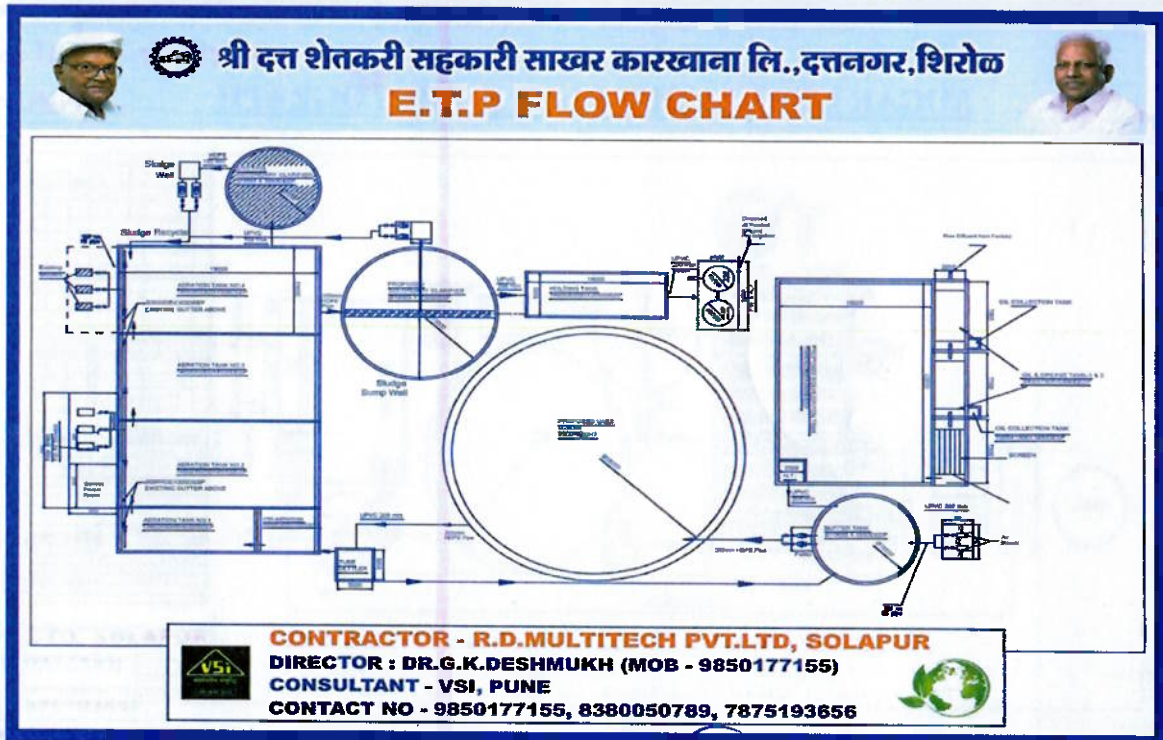
SUGAR ETP LAYOUT PLAN & PHOTOGRAPH



Managing Director
 Shree Datta Shetkari Sahakari Sakhar
 Karkhana Ltd., Shirol, Post. Dattanagar
 Tal. Shirol, Dist. Kolhapur.

ANNEXURE 22: ETP/STP/CPU PHOTOGRAPHS

SUGAR ETP LAYOUT PLAN & PHOTOGRAPH

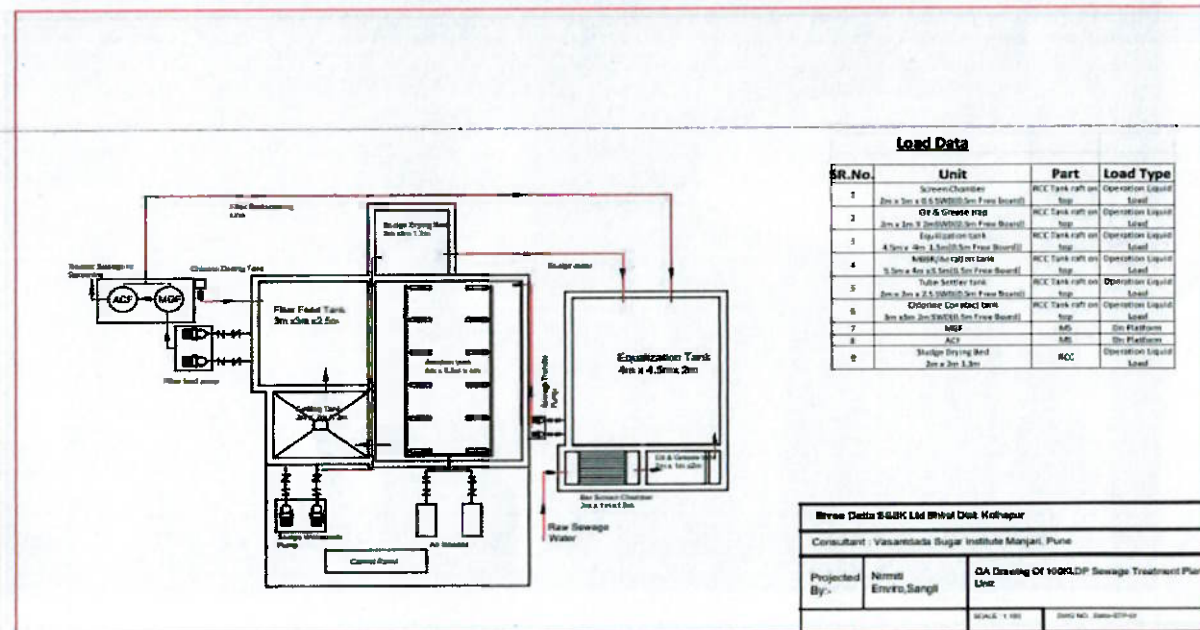


Managing Director
Shree Datta Shetakari Sahakari Sakhar
Karkhana Ltd., Shirol Post, Dattanagar
Tal. Shirol, Dist. Kolhapur.

ANNEXURE 22 : ETP/STP/CPU PHOTOGRAPHS

SEWAGE TREATMENT PLANT UNIT

STP LAYOUT PLAN & PHOTOGRAPH

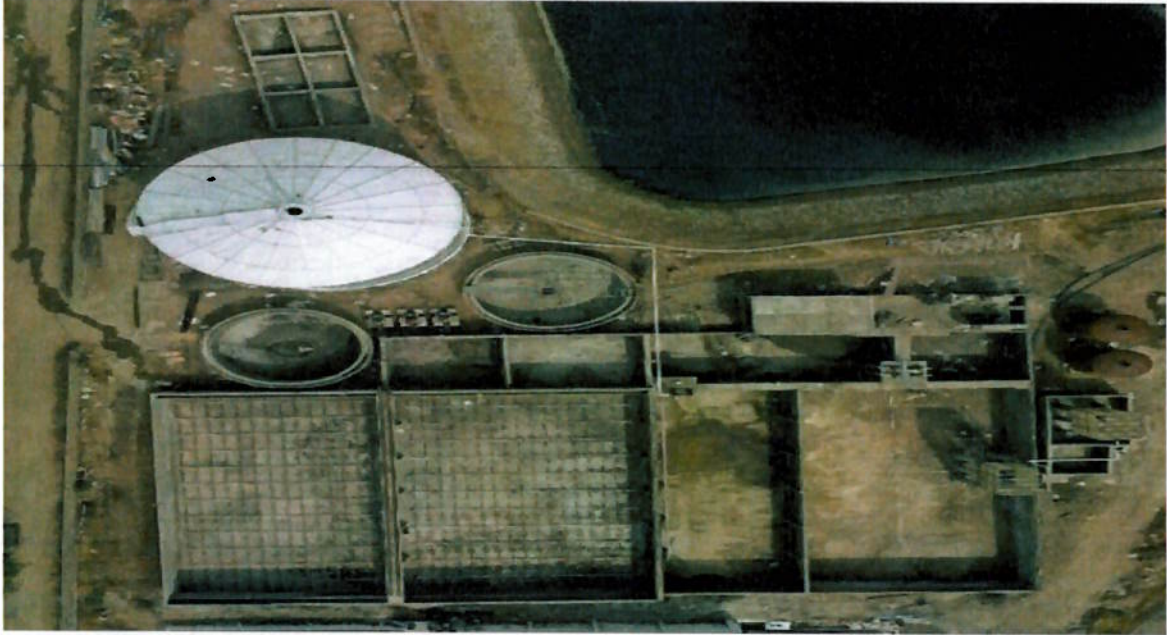


STP PHOTOGRAPH



ANNEXURE 22 : ETP/STP/CPU PHOTOGRAPHS

DISTILLERY CPU UNIT PHOTOGRAPH




Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post.Dattanagar
Tal.Shirol, Dist.Kolhapur.

DISPLAY DIVISION-DISTILLERY UNIT DETAILS

DISPLAY BOARD NO. 1

DISPLAY DIVISION-DISTILLERY UNIT

1. Date of Information Update: _____

2. NAME OF THE COMPANY: **SHREE DATTI SHETKARI SAHAKARI SAKHAR KARKHANA LTD SHIROL**

3. Address: **AP DATTANAGAR SHIROL DIST KOLHAPUR 415126**

4. Contact Person: _____ Contact Number: _____

Designation: _____

5. Total Capacity / Production

Weeks	Date	Raw materials	Products	Wastes
Previous week	From _____ To _____			
Current week	From _____ To _____			

6. Production Flow Chart indicating points of waste (solid, liquid & gaseous) generation: _____

7. Consent under Air and Water Act issued on: _____ valid upto: _____

7(a) Conditions for Effluent Discharge:

(i) Quantity of Effluent per day: _____

(ii) Quality of Treated Effluent (specify the relevant pollutant):

(a) pH: **4.2** (b) TSS: _____ (c) TDS: _____ (d) BOD: _____

(iii) Mode of Disposal of Treated Effluent: _____

7(b) Conditions for Air Emissions:

(i) Stack Height(s): _____ (ii) Capacity of DG set: _____

(iii) Fuel data: _____ DG set: _____ Furnace: _____ Boiler: _____

Type of fuel: _____ Quantity of fuel: _____ Pollutants: _____

(iv) Quality of Air Emission (specify the relevant pollutants for the industry): _____

8. Authorization under Hazardous Waste (Management & Handling) Rules issued on: _____ valid upto: _____

8(a) Authorization granted for HW generation under the conditions:

(i) Category of waste generated: _____

(ii) Quantity of Waste at storage facility: _____

(iii) Waste disposal facility: _____

DISPLAY BOARD NO. 2

1. Effluent Discharge and Treatment

1(a) DAILY monitoring of ETP:

Date	Quantity (KL)	Mode of disposal (drain/sewer/land)	Type & Capacity of ETP	Type of treatment in ETP

1(b) Results of latest analysis of Effluent Quality:

Prescribed Parameters: _____

Prescribed Limits: _____

Input to the ETP with Date: _____

Output from the ETP with Date: _____

2. Air Emissions and Control:

Date	Capacity of Boiler/Furnace (ltrs or Kg per day)	Fuel Consumption (ltrs or Kg per day)	Air Pollution Control System	D.G. sets (KVA)	Stack Height(s) (Mtrs above ground)

Prescribed Parameters: _____

Prescribed Limits: _____

Latest Monitoring Results of Air Emission with Date: _____

3. Hazardous Waste Generation:

Date	Category of Waste	Quantity of Waste	Mode of Storage	Capacity of Remaining Storage	Final Disposal Quantity	Final Disposal Destination

4. Use of Hazardous Chemicals:

Hazardous Chemicals	Quantity Used	Safety Measures for Storage & Handling

PPO F17

Shirol, Pune Division | 2023.08.04 14:27



Managing Director
Shree Datta Shetkari Sahakari Sakhar
Karkhana Ltd., Shirol, Post Dattanagar
Tal. Shirol, Dist. Kolhapur.

DISPLAY DIVISION-DISTILLERY UNIT DETAILS

DISPLAY BOARD NO. 1

1. Date of Information Update : 24/02/2020
 2. NAME OF THE COMPANY : Shree Datta Shetkari Sahakari Sakhar Karkhana Ltd.
 3. Address : Dattanagar, Shirol, Kolhapur- 416 120
 4. Contact Person :
 Designation :
 Contact No. :
 5. Total Capacity / Production :

Weeks	Date	Raw Materials	Products	Wastes
Previous week	From : To :			
Current week	From : To :			

6. Production Flow Chart indicating points of waste (Solid, liquid & gaseous) generation :
 7. Consent under Air and Water Act issued on....., valid upto.....
 7 (a) Conditions for Effluent Discharge :
 (i) Quantity of Effluent per day :

Trade Effluent	Non- Trade Effluent
700	

 (ii) Quality of Treated Effluent (specify the relevant pollutant):
 (a) pH: 7.05 (b) TSS: 25-10 (c) TDS: (d) BOD: 28-30
 (iii) Mode of Disposal of Treated Effluent :
 7 (b) Conditions for Air Emissions :
 (i) Stack Heights(a)
 (ii) Capacity of DG Set

Fuel data	DG Set	Furnace	Boiler
Type of fuel	Oil/Gas		
Quantity of fuel			
Pollutants	SO ₂ , NO _x		

 (iv) Quality of Air Emission (specify the relevant pollutants for the industry):
 8. Authorization under Hazardous Waste (Management & Handling) Rules issued on....., valid upto.....
 8(a) Authorization granted for HW generation under the condition:
 (i) Category of waste generated :
 (ii) Quantity of waste at storage facility :
 (iii) Waste disposal facility :
DISPLAY BOARD NO. 2

1. Effluent Discharge and Treatment
 1 (a) DAILY monitoring of ETP :

Date	Quantity(KL)	Mode of disposal (drain/sewer/land)	Type & Capacity of ETP	Type of treatment in ETP
23/02/2020	42.9	Land	700 m ³	Anaerobic

 1 (b) Results of latest analysis of Effluent Quality :

Prescribed Parameters	pH	COD	BOD	Oil/Grease	TDS	SS
Prescribed Limits	5.5-9.0	250	100	10	2100	100
Input to the ETP with Date						
Output from the ETP with Date						

 2. Air Emissions and Control :

Date	Capacity of Boiler/ Furnace (litrs or Kg per day)	Fuel Consumption (litrs or Kg per day)	Air Pollution Control System	D.G. Sets (KVA)	Stack Heights(e) (Mtrs above ground)

Prescribed Parameters	S P M	SO _x	NO _x		
Prescribed Limits					
Latest Monitoring Results of Air Emission with Date					

 3. Hazardous Waste Generation :

Date	Category of Waste	Quantity of waste	Mode of Storage	Capacity of Remaining Storage	Final Disposal	
					Quantity	Destination
	Spent Oil	5 Lit	Container			Mix with Basins
	Chemical Sludge		Sludge Bed	50 MT/M		



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Managing Director
 Shree Datta Shetkari Sahakari Sakhar
 Karkhana Ltd., Shirol, Post.Dattanagar
 Tal.Shirol, Dist.Kolhapur.

DISPLAY DIVISION- SUGAR UNIT DETAILS

DISPLAY BOARD NO. 1- DG SET

1. Date of Information Update : 24/02/2020
 2. NAME OF THE COMPANY : Shree Datta Shetakari Sahakari Sakhar Karkhana Ltd.
 3. Address : Dattanagar, Shirol, Kolhapur. 415 120
 4. Contact Person :
 Designation :
 Contact No. :
 5. Total Capacity / Production :

Weeks	Date	Raw Materials	Products	Wastes
Previous week	From : To :			
Current week	From : To :			

6. Production Flow Chart indicating points of waste (Solid, liquid & gaseous) generation :
 7. Consent under Air and Water Act issued on valid upto.....
 7 (a) Conditions for Effluent Discharge
 (i) Quantity of Effluent per day :

Trade Effluent	Non-Trade Effluent
700	

 (ii) Quality of Treated Effluent (specify the relevant pollutant):
 (a) pH: 7.05 (b) TSS: 25.10 (c) TDS: (d) BOD: 28.30
 (iii) Mode of Disposal of Treated Effluent :
 7 (b) Conditions for Air Emissions :
 (i) Stack Heights (a) (ii) Capacity of DG Set
 (iii)

Fuel data	DG Set	Furnace	Boiler
Type of fuel	Diesel		
Quantity of fuel			
Pollutants	SO _x , NO _x		

 (iv) Quality of Air Emission (specify the relevant pollutants for the industry) :
 8. Authorization under Hazardous Waste (Management & Handling) Rules issued on valid upto.....
 8(a) Authorization granted for HW generation under the condition:
 (i) Category of waste generated :
 (ii) Quantity of waste at storage facility :
 (iii) Waste disposal facility :
DISPLAY BOARD NO. 2- SUGAR UNIT

1. Effluent Discharge and Treatment
 1 (a) DAILY monitoring of ETP :

Date	Quantity (KL)	Mode of disposal (drain/sewer/land)	Type & Capacity of ETP	Type of treatment in ETP
23/02/2020	42.9	Land	700 m ³	Anaerobic

 1 (b) Results of latest analysis of Effluent Quality :

Prescribed Parameters	pH	COD	BOD	Dissolved	TDS	SS
Prescribed Limits	5.5-9.0	250	100	10	2100	100
Input to the ETP with Date						
Output from the ETP with Date						

 2. Air Emissions and Control :

Date	Capacity of Boiler/ Furnace (ltrs or Kg per day)	Fuel Consumption (ltrs or Kg per day)	Air Pollution Control System	D.G. Sets (KVA)	Stack Height(s) (Mtrs above ground)

Prescribed Parameters	SPM	SO _x	NO _x
Prescribed Limits			
Latest Monitoring Results of Air Emission with Date			

 3. Hazardous Waste Generation :

Date	Category of Waste	Quantity of waste	Mode of Storage	Capacity of Remaining Storage	Final Disposal	
					Quantity	Destination
	Spent Oil	5 Lit	Container			Mix with Bagasse
	Chemical Sludge		Sludge Bed	50 MT/M		



Managing Director
 Shree Datta Shetakari Sahakari Sakhar
 Karkhana Ltd, Shirol, Post Dattanagar
 Tal Shirol, Dist Kolhapur.

Shree Datta Shetakari Sahakari Sakhar Karkhana Ltd.

THE END

Six Monthly Compliance Report