

BHIMASHANKAR

SAHAKARI SAKHAR KARKHANA LTD.



भीमाशंकर

सहकारी साखर कारखाना लि.

Regd.No: P.N.A. / A.G.N. / P.R.G.(A) S-47 / 1994 Dt.31-3-1994

Dattatrayanagar, At.Post - Pargaon, Via Awasari (BK), Tal. Ambegaon, Dist.Pune. 412 406

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GSTIN : 27AAAABO949G1ZZ

BSSK/Mfg/1447 /2023-24

Date:-29/07/2023

By Mail

To,

The Deputy Director General of Forests (Central)

West Central Zone,

Regional Office,

Near Secretariat building,

VCA Ground, Civil lines, Nagpur-440001.

E mail I.D.- ecompliance-mh@gov.in.

Sub- Submission of Six Monthly EC Compliance Report.

Ref- SEIAA-0000000537 dt.28/11/2018.

Dear Sir,

We are submitting herewith six monthly compliance report of Environmental Clearance for Sugar Unit 2500 TCD to 6000 TCD (From 1st Jan. 2023 to 30 June 2023) for your reference.

Thanking you.

Yours Faithfully,


(C.G. Dhage)
Managing Director.

Encl-1) Environment Clearance Copy.2) Part- A – Data Sheet.

3) Six Monthly EC Compliance Report

Copy to-1) Cental Pollution Control Board,

Parivesh Bhavan, East, Arjun Nagar,

Shahadra,Delhi-110032

2) Environment Department,

15 th floor, New Administrative Building,

Madam Kama Road, Mantralaya,Mumbai – 400032.

3) The Regional Officer,

Maharashtra Pollution Control Board,

3rd Floor, “ Jog Center ”Building, Wakadewadi, Pune : 411003.

4) The Sub- Regional Officer II,

Maharashtra Pollution Control Board,

2nd floor, “Jog Center” Building, Wakadewadi, Pune 411 003.

Annexure

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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Ann①

No. SEIAA-2019/CR-20/SEIAA.
Environment Department
Room No. 217, 2nd Floor.
Mantralaya,
Mumbai- 400032.
Date: 31.12.2019

To
Mr. Chandrakant G. Dhage,
Bhimashankar SSKL,
Ambegaon Bk, Pune.

Sub: Correction in Environmental Clearance for proposed expansion of Sugar Plant from 2500 TCD to 6000 TCD at Dattatraya Nagar, P.O. Pargaon via Awasari Bk., Tal. Ambegaon, Dist. Pune by Bhimashankar Sahakari Sakhar Karkhana Limited.

Ref: 1. Application received from PP dated 21.08.2019.
2. Environment Clearance No. SEIAA-EC-0000000537, dated 27.11.2018.

With reference to above subject matter, it is noted that, you have received Environment Clearance vide letter dated 27.11.2018. You have further applied for correction in EC vide above ref. (1).

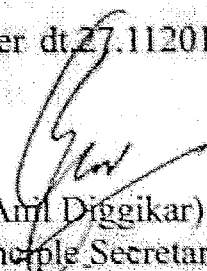
You have requested to correct EC dated 27.11.2018 as below-

Sr. No. in EC Letter	Particulate	EC Letter reflects	Corrections required in EC letter
1	Name of Project	Bhima Shankar Sahakari Sakhar Karkhana Limited.	Bhimashankar Sahakari Sakhar Karkhana Ltd.
2.	Type of Institution	Private	Co-operative
15	Total Plot Area (sq. m.)	NA	Total factory area 586840.0 sq.m. Industrial activity 69845.0 sq.m
22	Production Details	Existing (MT/M): 2500 Proposed (MT/M): 3500 Total (MT/M): 6000	Existing (MT/D): 2500 Proposed (MT/D): 3500 Total (MT/D): 6000 Per day production
24	Details of Total water consumed	Consumption: Existing: 461 Proposed: 285 Total: 746 Loss Existing: 87.5 Proposed: 122.5 Total: 210 Effluent CMD Existing: 373.5 Proposed: 162.5 Total: 536	Consumption: Existing: 684 Proposed: 516 Total: 1200 Loss Existing: 286 Proposed: 97 Total: 383 Effluent CMD Existing: 398 Proposed: 419 Total: 817
28.	Waste generation in the operation Phase:	Dry waste: NA Wet waste: NA Hazardous waste: NA	Dry waste: 271.2.2 TPD Ash & Press mud Wet waste: 0.5 MTD ETP Sludge Hazardous waste: 0.35 MTA Spent oil
	Mode of Disposal	Dry waste: NA	Dry waste: Press mud and bagasse ash will

	of waste:	Wet waste: NA Hazardous waste: NA Biomedical waste (If Applicable: NA	be used in Bio-composting and cost be sold Used as fuel in boiler Wet waste: NA
29.	Amount of effluent generation (CMD):	536	817
30.	Used Spent Oil	Existing: 2.0 Proposed: 00 Total 2.0	Existing: 1.8 Proposed: 0.3125 Total 2.1
31.	Stacks emission Details	Stack no.- 1 Height from ground level (m)-72 m	Stack no.- 1 Height from ground level (m)- 72 m & 60 m
35.	DG set as Power back-up during operation phase	NA	500 kVA
37.		Existing pollution control system : Wet Scrubber Proposed to be installed: ESP	Existing pollution control system: Scrubber and ESP Proposed to be installed: NA
	Budgetary allocation (Capital cost and O&M cost): Capital cost: O&M cost:	Capital cost: NA O&M cost: NA	Capital cost: 100 lakhs O&M cost: 2 lakhs

After detailed scrutiny of documents submitted by you, Environment Clearance vide letter dated 27.11.2018 is corrected as above.

The terms and conditions stipulated in the EC letter dt. 27.11.2018 vide above shall remain the same.


(Anil Diggikar)
Principle Secretary &
Member Secretary, SEIAA



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

सत्यमेव जयते

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date: November 27, 2018

To,
Mr. Chandrakant G. Dhage
at Plot No. 148,206,

Subject: Environment Clearance for Proposed expansion of Sugar Plant from 2500 TCD to 6000 TCD at gut no. 148, 206, Dattatraynagar, A/P Pargaon Via Awasan Bk., Tal. Ambegaon, Dist. Pune

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 149th Day-3th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 139th meetings.

2. It is noted that the proposal is considered by SEAC-I under screening category 5j as per EIA Notification 2006.

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

1.Name of Project	BHIMA SHANKAR SAHAKARI SAKHAR KARKHANA LIMITED
2.Type of institution	Private
3.Name of Project Proponent	Mr. Chandrakant G. Dhage
4.Name of Consultant	MITCON Consultancy & Engineering Services Ltd.
5.Type of project	Industrial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of existing project Sugar Unit-ENV(NOC)2000/7931/CR177/D1 dt.19/12/2000 19Mw Cogen- SEAC-2011/CR-755/TC2
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Existing project has a environmental clearance for Cogen Power plant
8.Location of the project	Plot No. 148,206,
9.Taluka	Ambegaon
10.Village	Dattatraya Nagary P.O. Pargaon via Awasan
Correspondence Name:	Mr. Chandrakant G. Dhage
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	NA
City:	NA
11.Whether in Corporation / Municipal / other area	Village
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 00000
13.Note on the initiated work (if applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (if applicable)	NA
15.Total Plot Area (sq. m.)	Not applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable

SEIAA Meeting No: 139 Meeting Date: September 28, 2018 (SEIAA-STATEMENT-0000000853)
SEIAA-MINUTES-0000000659
SEIAA-EC-0000000537

Page 1 of 11

Shri. Anil Diggikar (Member Secretary SEIAA)

18 (a). Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): Not applicable
	Non FSI area (sq. m.): Not applicable
	Total BUA area (sq. m.): 00000
18 (b). Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non-FSI area (sq. m.):
	Date of Approval:
19. Total ground coverage (m2)	Not applicable
20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21. Estimated cost of the project	820000000



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22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	SUGAR	2500	3500	6000

23. Total Water Requirement

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

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24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Industrial Process	461	285	746	87.5	122.5	210	373.5	162.5	536

25.Rain Water Harvesting (RWH)	Level of the Ground water table:	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
Details of UGT tanks if any :	NA	

26.Storm water drainage	Natural water drainage pattern:	NA
	Quantity of storm water:	NA
	Size of SWD:	NA

27.Sewage and Waste water	Sewage generation in KLD:	NA
	STP technology:	NA
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
Budgetary allocation (O & M cost):	NA	

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29. Effluent Characteristics					
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		536			
Capacity of the ETP:		Existing ETP with Capacity of 750m ³ /day & after expansion ETP capacity will be 1350 M ³ /day			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		Used as Manure			



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28. Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA

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30. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Spent Oil	5.1	Kg/D	2.0	00	2.0	Reuse in Boiler

31. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Stack	Bagasse	1	72	NA	NA

32. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse	1560 MT/Day	00	1560 MT/Day

Source of Fuel: Bagasse From Own Plant
 Mode of Transportation of fuel to site: NA

33. Energy

Power requirement:	Source of power supply :	Own Cogeneration plant
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	NA
	During Operation phase (Demand load):	NA
	Transformer:	NA
	DG set as Power back-up during operation phase:	NA
	Fuel used:	NA
Details of high tension line passing through the plot if any:	NA	

34. Energy saving by non-conventional method:

NA

36. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

37. Details of pollution control Systems

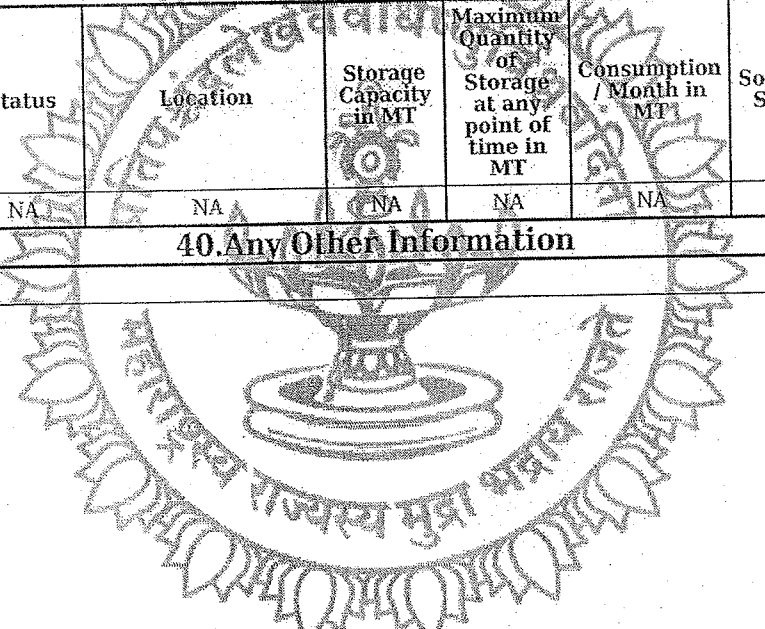
Source	Existing pollution control system	Proposed to be installed
Stack	Wet Scrubber	ESP
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA

38. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
---------------	------------	-----------	------------------------------------

1	NA	NA	NA				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Noise Control System	NA	15	2			
2	Green Belt Development	NA	10	2			
3	Environment Monitoring and Management	NA	20	15			
4	Water Pollution Control System - ETP	NA	50	10			
5	Occupational Health & Safety	NA	10	3			
39.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)							
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA
40.Any Other Information							
No Information Available							



Government of Maharashtra

	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5j
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	

3: The proposal has been considered by SEIAA in its 139th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	PP to plan and execute 100% drip irrigation in phase wise manner so as to ensure efficient use of water.
II	PP to submit an undertaking to achieve less than 100 mg/Nm ³ of TPM at the out let of ESP.
III	PP to undertake appropriate mitigation measures to maintain noise level within prescribed limits.
IV	PP to undertake awareness program among the sugar cane cultivators and implement appropriate measures to reduce salinity hazards and maintain proper soil health for sustainable productivity.
V	PP to implement CSR plan in consultation with the District Authorities and maintain separate account for the same.
VI	PP shall provide 100% drip irrigation for plantation.
VII	PP shall comply with the conditions mentioned with ANNEXURE XIX of the Office Memorandum issued MoEF&CC vide F No 22034/2018-IA.III dt. 09.08.2018.

General Conditions:

I	(i)PP to achieve Zero Liquid Discharge. PP shall ensure that there is no increase in the effluent load to CETP.
II	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
III	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
IV	Proper Housekeeping programmes shall be implemented.
V	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
VI	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
VII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
VIII	Arrangement shall be made that effluent and storm water does not get mixed.
IX	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
X	Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
XI	The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
XII	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
XIII	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
XIV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.

XV	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
XVI	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
XVII	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
XVIII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XIX	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise 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
XX	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in
XXI	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
XXII	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
XXIII	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely, TSPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
XXIV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
XXV	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

Government of Maharashtra

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

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


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

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

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

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

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


Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

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


**Government of
Maharashtra**

**2500 to 6000 MT TCD Sugar Expansion EC
SIX MONTHLY COMPLIANCE REPORT**

**Part -I
DATA SHEET**

1	Project Type: River Valley/Mining/Industry/Thermal/Nuclear/Others (Specify)	Industry
2	Name of the Project	Expansion of Sugar Pant from 2500 to 6000 TCD of Bhimashankar Sahakari Sakhar Karkhana Ltd.Dattatrayanagar,Pargaon Tarfe Awasari Bk.,Tal. Ambegaon Dist-Pune Pin- 412406
3	Clearance letter(S)/OM No. and Date	SEIAA-0000000537 Date -- 28/11/2018
4	Location a) District (s)	Pune
	b) State (s)	Maharashtra
	c) Location latitude / longitude	Latitude 18°58' 30.57"N and Longitude 74°5'31.68"E
5	Address For Correspondence a) Address of the Managing Director(with Pin code/Telephone/Telex/Fax/Numbers)	Mr. Chandrakant G. Dhage Bhimashankar Sahakari Sakhar Karkhana Ltd.Dattatrayanagar, Pargaon Tarfe Awasari Bk.,Tal.Ambegaon, Dist-Pune Pin- 412406 Phone No.(02133)284241/284341 Fax-(02133)284270
6	Salient Features	
	a) of the Project b) of the Environmental Management Plans	This Sugar unit situated at Dattatrayanagar. Environment Management Plan Includes – Green Belt Development (Plantation with mostly indigenous plant species) Measures to avoid sound pollution Water Environment Solid waste management Rain water Harvesting Firefighting system.
7	Breakup of the Project Area	
	Submergence area : Forest & Non Forest	N.A.
	Others	Plot Area-580000 m2 Total Built up area - 72844 m2 Open area- 513952 m2
8	Break up the Project affected population with the enumeration of those losing Houses/Dwelling units only, Agricultural Land & Landless Laborers /Artisans:	Project land is owned by project proponent. So population not affected.
	a) SC, ST / Adivasi	N.A.
	B) Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details & year of survey)	N.A.
9 (a)	Financial Details: Project cost as originally planned and subsequent revised estimates and the year of price reference	Total Project Cost- Rs.8200.000 Lakhs.

(b)	Allocation made for environmental management plans with item wise and year wise breakup	Year wise Break up- 2019-20 = Rs.15,00,000/- 2020-21= Rs.18,00,000/- 2021-22= Rs.20,00,000/- 2022-23= Rs.18,00,000/-
c)	Payback Period	-
d)	Whether (c) includes the cost of environmental management as shown in the above	Yes
e)	Actual expenditure incurred on the project so far	Rs. 7336.17 Lakhs
f)	Actual expenditure incurred on the environmental management plans so far	E.T.P.O&M, OCMS- AMC, OCMS Spare, ESP maintenance expenditure Year Wise Expenditure - 2019-20 =Rs. 21,36,500/- 2020-21=Rs. 31,02,090/- 2021-22=Rs. 27,55,548/- 2022-23 = Rs. 96,39,000/-
10	Forest Land Requirement:-	
a)	The Status of approval for diversion of forest land for non-forestry use.	N.A.
b)	The status of clearing felling	N.A.
c)	The Status of compensatory afforestation, if any comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	N.A.
11	The status of clear felling in non-forest areas (such as submergence area or reservoir, approach roads) if any with quantitative information required.	N.A.
12	Status of construction (Actual &/or Planned)	Completed
a)	Date of commencement (Actual /or Planned)	01/04/2020
b)	Date of completion (Actual & / or Planned)	30/11/2021
13	Reasons for the delay if the project is yet to start	-
14	Dates of the site visits- The dates on which the project was monitored by the Regional Office on previous occasions, if any	Mr. Sureshkumar Adappa (Scientist-D) MoEF Regional Office-Nagpur, visited on dt. 22/06/2021 and satisfactory report is issued.
a)	Details of correspondence with project authorities for obtaining action plan/information on status of compliance to safeguards other than the routine letters for logistics support for site visit.(the monitoring report may obtain the details of all letters issued so far but the later reports may cover only the letters issued subsequently.	No show cause or notices of pollution department. We are regularly monitoring both air & water data as per CPCB guidelines & parameters are within limit.


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2500 to 6000 MT TCD Sugar Expansion EC Conditions Compliance

Con. No.	Condition	Compliance
I	<p>Specific Conditions-</p> <p>PP to plan execute 100% drip irrigation in phase wise manner so as to ensure efficient use of water.</p>	<p>Karkhana has already undertaken the program to increase the area under drip irrigation. Board resolution for 100% drip irrigation has passed.</p> <p>To increase drip irrigation factory is continuously providing technical and financial support to the farmers and organizing awareness programme among farmers in every cane center for drip irrigation. Karkhana made the common agreement with Union Bank of India to sanction farmers loan at very reasonable rate of interest. for setting up drip irrigation. Karkhana is paying the said loan interest. Karkhana made mutual agreement with two different drip irrigation companies 1)Netafim 2)Jain Irrigation 3) Revu (S. Kevulathar).</p> <p>We are continuously taking awareness program me among farmers to aware, educate and inspire them for drip irrigation. Till now we have made 2092.40 Hectare drip irrigation. (Details Information- Drip irrigation scheme, Agreement Copies, Season 2022-23-Farmer's List & Photographs are attached. Ann. I - Page No. 26 to 46 .</p>
II	<p>PP to submit and undertaking to achieve less than 100 mg/Nm³ of TPM at out let of ESP.</p>	<p>To control air pollution ESP (99.9%) with 72 m stack and Wet Scrubber (80%) with 60 m stack is already installed to both boilers & minimized TPM less than 100mg/Nm³.</p>

	<p>Photographs attached. Ann. II (Page No.47 to 48)</p> <p>During Crushing season, we are monitoring daily TPM level by OCMS and Analyzing monthly from Akanksha Laboratories. The TPM level throughout the season is maintained below 100mg/m³.</p> <p>OCMS Air Ambient Report.(Season 2022-23-Nov.22 to Feb.2023) – Ann.III. Page No. 49 to 58</p> <p>MoEF Approved–Akanksha Lab (NABL) reports are attached for confirmation.(Season 2022-23-Nov.22 to Feb.2023)-Ann.IV Page No.59 to 86.</p>
<p>III</p> <p>PP to undertake appropriate mitigation measures to maintain noise level within prescribed limits.</p>	<ol style="list-style-type: none"> 1) Factory is taking care to maintain noise level in the prescribed limit. 2) Proper maintenance, oiling and greasing of all machines is carried out at regular intervals. 3) The noise level is not exceeding the permissible limit 75 dB (A) during the day time, 70 dB (A) night time. 4) Regular monitoring of noise level in every month during crushing season. 5) Green belt around the plant area is developed to reduce the noise level. 6) Acoustic laggings and silencers are provided in equipment wherever necessary. The compressed air station is provided with suction side silencers. Ventilation fans are installed in enclosed premises 7) Central control room(s) provided for operation and supervision of plant and equipment are air-conditioned, glass fiber insulated frames help in reducing noise levels. Necessary enclosures also

		<p>provided on the working platforms /areas to reduce the noise levels The insulation are provided to reduce noise</p> <p>8) Greenbelt is developed around the periphery of the plant to reduce noise levels.</p> <p>Noise level monitoring report. MoEF Approved – Akanksha Lab.(NABL) (Season 2022-23-Nov.22 to Feb.2023) – Ann.V Page No.87 to 90</p>
IV	<p>PP to undertake awareness program among the sugarcane cultivators and implement appropriate measures to reduce salinity hazards and maintain proper soil health for sustainable productivity.</p>	<p>Karkhana is regularly taking consultancy of Vasantdada Sugar Institute to help and provide the technical guidance to the farmers for crop development, soil health care, good irrigation practices.</p> <p>Till to date 47 different awareness program has taken regarding sustainable farming, increasing productivity, good agricultural practices etc. (Photographs attached & Details Ann.- VI) age No.91 to 93</p>
V	<p>PP to implement CSR plan in consultation with the District Authorities and maintain separate account for the same.</p>	<p>The factory has spent CSR Rs.41,10,973 in year 2022-23 for different social activities.(Details attached –Ann.VII) Page No. 94</p> <p>Also Rs. 2,84,90,851/- has been spent for different sugarcane development activities like 1) Foundation and Certified seed supply, 2) Farmers Training, 3) Soil Testing, 4) Green Manure seed supply, 5) Drip Irrigation scheme subsidy, 6) Bio fertilizer supply, 7) Bio compost supply, 8) Chemical Fertilizer supply, 9) Micronutrient supply. Details information Attached.(Ann. -VIII) Page No.95 to 102</p>

VI	PP shall provide 100% drip irrigation for plantation.	All plants in factory premises has drip irrigation facility. (Photographs Attached Ann. IX) Page No.103 to 106.
General Conditions-		
I	PP to achieve Zero Liquid Discharge PP shall ensure that there is no increase in the effluent load to CETP.	We ensure you that there is no increase in the effluent load to ETP. (Season 2022-23- Nov.2022 to April 2023) MoEF Approved-Akanksha Lab Treated Effluent monitoring reports are attached – Ann.X Page No.107 to 110. OCMS Treated Water Reports are Attached (Season 2022-23- Nov.2022 to April 2023) –Ann.XI Page No..111 to 116
II	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.	No additional land is acquired.
III	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.	We arrange health checkup camp for all employees once in every year and records is maintained as per Factory Act. We are organizing pre & post medical check-ups for all employees. Medical record is maintained of each employee. (Details & Photographs Attached. Ann. XII) Page No.117 to 128
IV	Proper Housekeeping programmers shall be implemented.	We regularly maintain the proper housekeeping.
V	In the event of the failure of any pollution control system adopted by the unit ,the unit shall be immediately put out of operation and shall not be restarted unit the desired efficiency has been achieve.	After failure of pollution control device, we immediately stop the Boiler operation & restart after activation of pollution controlling device. We intimate both CPCB & MPCB time to time by mail in this regard without any delay.


VI	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG (set).	Appx. 15 mtrs stack height is given for existing 500 KVA D.G.set.
VII	A detailed scheme for rain water harvesting shall be prepared and implemented to recharge ground water.	Rain water harvesting facility is provided. Statement of area & harvested water qty. is attached. Ann.XIII Page No.129 to 138
VIII	Arrangement shall be made that effluent and storm water does not get mixed.	We have proper drainage for storm water & effluent & there is no mixing of waste water & storm water.
IX	Periodic monitoring of ground water shall be undertaken and result analyzed to ascertain any change in the quality of water. Result shall be regularly submitted to the Maharashtra Pollution Control Board.	We are checking Ground water samples within 5 Km radius area in every month during crushing season. All the results are within limit. (Season 2022-23-Nov.22 to Feb.2023)MoEF Approved – Akanksha Lab. Ground Water Analysis reports are attached –Ann.XIV Page No. 139 to 160
X	Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. Shall be provided.	Noise proof cabins are provided to operators wherever is possible. Further we are providing ear plugs for employees.Noise level is within standard limits. (Photographs Attached. Annx..XV) Page No.161 to 162
XI	The overall noise level in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencer, enclosures, etc. On all source of noise generation .The ambient noise level shall confirm to the standards prescribed under Environment (protection) Act, 1986 Rules,1989.	Noise controlling measures are provided as per EMP. Noise level is within standard limits.

XIII	Adequate safety measures shall be provided to limit the risk zone within the plant, boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.	Till 2019, we have planted 6502 trees on 33% of the total area of the factory with drip irrigation. Apart from this, it is planned to plant 5000 trees on the remaining area. (Certificate issued by Regional Forest Officer. Manchar and Taluka Agriculture Officer and Photographs are Attached Ann –XVI (Page 163 to 168) Adequate safety measures like helpmates, Shoes, Safety belts etc. are provided.
XIV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act XV.	We arrange health checkup camp for all employees once in every year and records is maintained as per Factory Act. We are organizing pre & post medical check-ups for all employees. Medical record is maintained of each employee.
XV	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	The system is provided as per guidelines of DISH. *This is regularly inspected by Factory Inspectors during visit. *Hydrant System ,High velocity water spray system, medium velocity water system, Foam system Portable and mobile fire extinguishers etc. are different types of fire protection /diction system are installed in the plant
XVI	The project authorities must strictly comply with the rules and regulations with regards to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) rules,2003(amended).	We are regularly following guidelines given by MPCB.

	Authorization from the MPCB shall be obtained for collections /treatment/storages/disposal of hazardous wastes.	
XVII	Regular mock drills for the onsite emergency management plan shall be carried out. Implementation of changes/improvement required, if any, in the onsite management plan shall be ensured.	We arrange regularly. It is part of our routine practice. (Photographs are Attached.XVII) Page No. 169 to 170
XVIII	A separate environment management cell with qualified staff shall be set up for Implementation of the stipulated environmental safeguards.	Environment Management cell is established. It is headed by a qualified and experienced environmental officer having experience more than 10 years.
XIX	Separate funds shall be allocated for implementation of environmental protection measures /EMP along with item wise break up. These cost shall be included as part of the project cost .The fund earmarked for the environment protection measures shall not be diverted for other purposes and year wise expenditure should reported to the MPCB & this department.	We have received the EC in Nov. 2018 and all the basic works required to fulfill the conditions are already completed * We have invested Rs.300.00 Lakhs in capital investment made for environment protection as specified in EMP. * Management is very committed for the same. * The funds earmarked for Environment are not diverted to any other account head. * We have make Rs.15 lakhs provision for the operational expenditure 2023-24.
XX	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in	Karkhana published advertise in local newspapers 1) Prabhat (Marathi) - 3 rd December 2018 2) Sakal Times(English)-4 th December 2018 (Copy Attached Ann. XVIII) Page No. 171 to 172

XXI	Project management should submit half yearly compliance report in respect of the stipulated prior environment clearance terms and condition in hard & soft copies to the MPCB & this department, on 1 st June & 1 st December of each calendar year.	We have uploaded EC compliance report and all Analysis Reports on our Karkhana Web Site. Further we are submitting Six monthly compliance report to MoEF, Nagpur on regular basis. (Screen shot Copy Attached Ann.XIX) Page No. 173 to 174
XXII	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO if any from whom suggestion/representation if any were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Environment Clearance letter granted by Maharashtra State Environment Impact Assessment Authority (SEIAA) is already displayed on Karkhana website.
XXIII	The proponent shall upload the status of compliance of the stipulated EC condition, including result 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 sector 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.	Submitting Regularly.
XXIV	The project proponent shall also submit six monthly report on the status of compliance of the stipulated EC condition including result 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.	Submitting Regularly.

XXXV	<p>The environment statement for each financial year ending 31st March in Form - V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliances of EC condition and shall also be sent to the respective Regional Office of MoEF by e-mail.</p>	<p>Submitting Regularly. (Year 2022-23) Copy Attached) Ann. XX Page No. 175 to 178</p>
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Drip irrigation scheme: - Since planting season 2017-18 factory is implementing drip irrigation scheme to bring maximum area under drip irrigation in sugarcane crop. Under this scheme Karkhana has made agreement with 2 drip irrigation companies.

Factory is implementing following drip irrigation scheme to bring area under drip irrigation to sugarcane crop. Factory has made contract with 2 ISI mark drip companies and drip loan proposal made through Union Bank of India-Manchar Branch

1. Farmers request to install drip irrigation is taken & agreement made between farmer and factory on stamp paper of Rs.100/-
2. As per quotation the work order of drip installation is given to company.
3. By opening bank account of respective farmers and after completion of loan documents in the bank by considering Rs.60,000/- per acre drip cost, Rs.49000/- or if cost is below Rs.50,000/- the amount Rs.11,000/- keeping behind the above amount Rs.49000/- is paid to respective company within 30 days after arrival of completion report by inspection.
4. Rs.1,000/- is delivered to company after completion of subsidy proposal.
5. Drip set and cane grower insurance – Beneficiary farmer get insurance policy of Rs.1 Lac for one year and drip set is also insured for one year from installation date by respective drip company.
6. Remaining amount Rs.10,000/- per acre is delivered to company after one year of first payment.
7. Free acid treatment to drip set for three times.
8. No installation & transport charges.
9. Free agronomical advice & training etc.

**Seasonwise area under drip irrigation in sugarcane crop and
Cost incurred by sugar factory**

Planting Season	Area (ha.)	Expenditure(Rs.)
2009-10	26.80	368500.00
2010-11	9.28	127600.00
2011-12	133.15	3328750.00
2012-13	516.46	23016750.00
2013-14	359.59	17979500.00
2014-15	134.42	8401250.00
2015-16	92.68	5792500.00
2016-17	104.16	9114000.00
2017-18	259.40	31662534.00
2018-19	298.74	37006679.00
2019-20	545.50	74818937.00
2020-21	158.10	19762500.00
2021-22	33.58	5037000.00
2022-23	29.27	4390500.00

भीमाशंकर सहकारी साखर कारखाना लि., दत्तात्रयनगर

पारगाव तर्फे अवसरी बुद्रुक, ता.आंबेगाव, जि.पुणे.

लागवड हंगाम २०२२-२३ मध्ये ऊस पिकास टिबक सिंचन संच बसविलेले शेतकरी यादी

अ. नं.	ऊस उत्पादकाचे नाव	गाव	तालुका	संपर्क नंबर	क्षेत्र (हे.आर)
१	डोके चिंतन अशोक	सुलतानपूर	आंबेगाव	९९६०६१६६४४	०.४०
२	पाटील अशोक बबन	खडकी	आंबेगाव	७७०९९००५९०	०.५०
३	उंडे कोंडीभाऊ भाऊ	भागडी	आंबेगाव	८०८०८०१८९०	०.६०
४	यादव मारुती भाऊ	नागापूर	आंबेगाव	९९६०२५१३४६	०.७६
५	आजाब सुनिता विलास	वळती	आंबेगाव	९८६०९९०३४७	०.६०
६	आजाब रोहिणी कांताराम	वळती	आंबेगाव	९०९६५५९२९६	०.४५
७	आजाब मंगल म्हतारबा	वळती	आंबेगाव	९३५९१५६५०८	०.८०
८	टेमगिरे बाळू भागा	थोरांदळे	आंबेगाव	९०७५६२७७९१	०.६०
९	टेमगिरे सुदाम गोविंद	थोरांदळे	आंबेगाव	९७६६१६८७३५	०.६४
१०	हुले तुळशिराम मारुती	नारोडी	आंबेगाव	९७६७६८४५२५	०.४०
११	बेंडे सुदाम सदाशिव	एकलहरे	आंबेगाव	९९६००००६३६	१.६०
१२	पाटील प्रज्वल पांडुरंग अपाक वंदना	खडकी	आंबेगाव	९३५०५९५७४	०.७७
१३	आरगडे सावकार बबन	लाखणगाव	आंबेगाव	९४०३७२६०७२	०.८०
१४	जांभळे बबन विठोबा	लाखणगाव	आंबेगाव	९०९६१४७००५	१.२०
१५	जांभळे अरुणा बबन	लाखणगाव	आंबेगाव	९०९६१४७००५	०.४५
१६	डुकरे महेश बबन	पोंदेवाडी	आंबेगाव	९८९०२४६२११	०.८०
१७	गोरडे तुकाराम श्रीपती	शिगवे	आंबेगाव	९९२१३३३५९६	०.८९
१८	नरवडे सतु भाऊ	पोंदेवाडी	आंबेगाव	९८५०२१५७५७	०.५७
१९	वायाळ स्वाती रविंद्र	पोंदेवाडी	आंबेगाव	९९६०५२४६९१	०.८०
२०	जाधव शारदा अर्जुन	नांदूर	आंबेगाव	९९७०७४७७७०	१.१७
२१	जाधव अंकित अर्जुन	नांदूर	आंबेगाव	९९७०७४७७७०	३.९७
२२	जाधव प्रभाकर सोनु	नांदूर	आंबेगाव	९९७०७४७७७०	१.२०
२३	दरेकर दत्तात्रय धोंडीबा	दरेकरवाडी	आंबेगाव	९९२१९८२६०३	२.००
२४	थोरात रोहिदास मारुती	लौकी	आंबेगाव	७७८७७७५२६६	०.६०
२५	भोर पारुबाई गुलाब	एकलहरे	आंबेगाव	९७६२०१८८५५	०.४०
२६	चिखले सयाजी बबन	विठ्ठलवाडी	आंबेगाव	८६६९०६७५७८	१.२७
२७	भालेराव वसंत महादू	कळंब	आंबेगाव	९७०२९९५००७	०.६७
२८	येवले संजय मार्तंड	गंगापूर बुद्रुक	आंबेगाव	८०८२५८०११६	०.७०
२९	येवले अनिल मार्तंड	गंगापूर बुद्रुक	आंबेगाव	९३७३४९६७३२	०.७०
३०	येवले हरिचंद्र कचर	गंगापूर बुद्रुक	आंबेगाव	९६०४४३९१०९	०.६०
३१	चिखले अनिल शांताराम	टाकेवाडी	आंबेगाव	९१७५८१४०५०	०.६०
३२	चिखले सुनिल शांताराम	टाकेवाडी	आंबेगाव	९७६६६१९९९८	०.४९
३३	भालेराव रामदास भिमाजी (शेखर)	कळंब	आंबेगाव	९८२०५२९७१५	०.५७
३४	सैद दिलीप लक्ष्मण	महाळुंगे पडवळ	आंबेगाव	९४२०१७५५३८	०.४०
३५	चिखले अमित नामदेव	नांदूर	आंबेगाव	७३५०३८८४८०	०.३७
३६	आवटे भानुदास मारुती	महाळुंगे पडवळ	आंबेगाव	९९२२४९७४५५	०.६०
३७	घिसे जयसिंग बाळासाहेब	मंचर	आंबेगाव	९९६०४४२३९९	०.६०
	एकूण				३०.५४

करारनामा

भीमाशंकर सहकारी साखर कारखाना लि.
दत्तात्रयनगर, पारगांव तर्फे अवसरी बु.
ता. आंबेगाव, जि. पुणे

व

नेटाफिम इरिगेशन इंडीया प्रा.लि.
ऑफीस नं.१ व २, बिल्डींग नं.सी १,
सौदामिनी कॉम्प्लेक्स, भुसारी कॉलनी,
सर्व्हे नं.१०१, पौड रोड, कोथरुड, पुणे ३८

(सन - २०२३-२०२४)



महाराष्ट्र MAHARASHTRA

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45AA 024364

मुद्रा मुद्रांक ज्या कारणासाठी खरेदी केला आहे. त्याच कारणासाठी खरेदी केलेल्या तारखेपासून ६ महिन्यांचे अंतर्गत वैधता राखता येईल.

मुद्रांक क्र. ५६०८ दिनांक २३/६/२०२३ रक्कम १००

मुद्रांक कोणत्या कारणासाठी वापरण्यात आले आहे. २०२२

मुद्रांक मुद्रांक अभिप्रेत, १९९८ चे अनुषंगी क्र. १

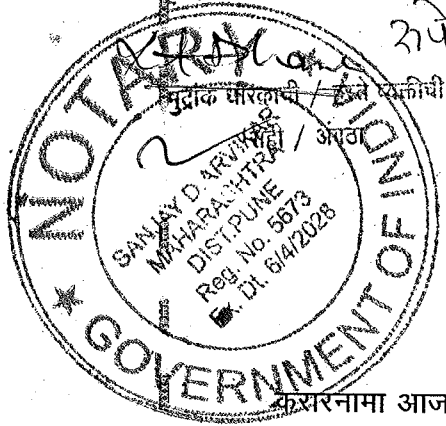
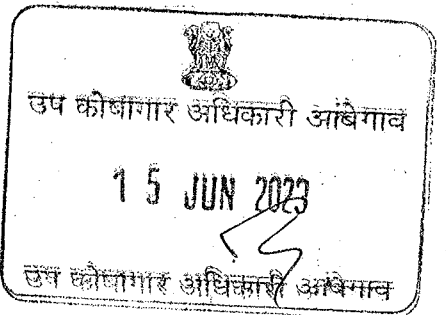
मुद्रांक कारकाचे संपूर्ण नाव Netafim Irrigation India Pvt Ltd.

संपूर्ण परता श्री. शांकर पुणे

हस्तक्षेप करणारे व्यक्तीचे नांव व परता Sr. District Manager. श्री. शांकर पुणे

श्री. शांकर पुणे

श्री. विठ्ठल मारुती काचपुते
परवाना धारक मुद्रांक दि. क्र. २२०२१०५
परवान्याची मुदत दि. ३१ मार्च २०२४
पोरया मार्केट, लक्ष्मी रोड, हॉटेल विराटवाच्या शेजारी
पत्ता - ता. आंबेगाव जि. पुणे



करारनामा

करारनामा आज वार सोमवार वार दि. १० माहे जुलै सन २०२३ रोजी

करारनामा लिहून घेणार:-

श्री. शांकर सहकारी साखर कारखाना लि.
दत्तात्रयनगर, पारगाव तर्फे अवसरी बु. ता. आंबेगाव, जि. पुणे करिता
कार्यकारी संचालक - श्री. चंद्रकांत गंगाधर ढगे
वय - ५७ वर्षे धंदा - नोकरी

करारनामा लिहून देणार:-नेटाफिम इरिगेशन इंडीया प्रा.लि. प्लॉट नं. २६८ ते २७०
ऑफीस नं.१ व २, विल्डींग नं.सी १, सौदामिनी कॉम्प्लेक्स
भुसारी कॉलनी, सर्क नं.१०१, पीड रोड, कोथरुड, पुणे ३८
(पुरवठादार) करिता
विभागीय व्यवस्थापक - श्री.रुपेशकुमार अंकुश ढाणे
वय - ४४ वर्षे धंदा- नोकरी

कारणे करारनामा लिहून देतो कि

भीमाशंकर सहकारी साखर कारखाना लि. दत्तात्रयनगर, पारगांव तर्फे अवसरी बु. ता.आंबेगाव, जि.पुणे यांच्या संचालक मंडळाने कारखान्याच्या सभासद/ऊस उत्पादकांचे एकरी उत्पन्न वाढ होवून चांगल्या गुणवत्तेचा दर्जेदार ऊस मिळावा म्हणून शेतकऱ्यांना ऊस पिकासाठी ठिबक सिंचन संघ बसवून देण्याची योजना राबवण्याचा निर्णय घेतला आहे.

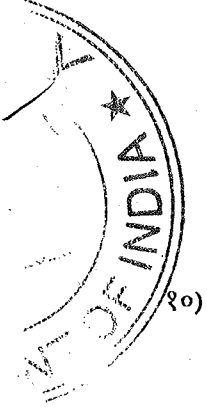
दि. ०८/०१/२०२३ रोजी कारखान्याच्या मा. शेतकी समिती सभेमध्ये झालेल्या चर्चेप्रमाणे व सोबत जोडलेल्या दरपत्रकांनुसार नेटाफिम इरिगेशन इंडीया प्रा.लि. यांना खालील अटी शर्तीप्रमाणे काम देण्यात आले आहे.

करारनामा लिहून देणार ही ठिबक सिंचन संचाचे साहित्य उत्पादन करणारी व त्यांची विक्री व पुरवठा करणारी कायदयान्वये (नोंदलेली) कंपनी आहे. सदर कंपनीचा नोंदविलेला पत्ता वर नमुद केल्याप्रमाणे आहे (सदर कंपनीचा उल्लेख यापुढे पुरवठादार असा करण्यात आला आहे.) लिहून घेणार हा महाराष्ट्र राज्य सहकारी संस्था अधिनियम १९६० अंतर्गत नोंदणी केलेला सहकारी साखर कारखाना असून, त्यांचा सभासद व बिगर सभासदांचे ऊसापासून साखर व इतर पदार्थ तयार करण्याचा व्यवसाय आहे. (यापुढे लिहून घेणार हा सहकार कायदयान्वये नोंदलेला साखर कारखाना असून त्यांचा उल्लेख कारखाना असा केला आहे.)

योजना यशस्वी करण्यासाठी कारखाना व पुरवठादार ठिबक कंपनी यामधील अटी व शर्ती खालीलप्रमाणे असतील.

- १) कारखाना ठिबक सिंचन संघ बसविणाऱ्या इच्छुक सभासदांची नावे व संबंधीत आवश्यक असणारी कागदपत्रे पुरवठादारास देईल.
- २) प्राप्त झालेल्या यादीनुसार पुरवठादार किंवा त्यांचे अधिकृत वितरक लाभार्थी शेतकऱ्यांच्या शेतावर प्रत्यक्ष जाऊन शेताचे मोजमाप (सर्चे) करतील.
- ३) मोजमापानुसार पुरवठादार किंवा त्यांचे अधिकृत वितरक अभियंत्याकडून तांत्रिक व आर्थिक दृष्ट्या योग्य असलेला आराखडा तयार करून त्यासाठी लागणाऱ्या साहित्याची यादी (कोटेशन) तयार करतील.
- ४) कारखाना पुरवठादारास शेतकरी निहाय वर्क ऑर्डर देईल. कारखान्याकडून वर्क ऑर्डर मिळाल्यानंतर पुरवठादार लाभार्थी शेतकऱ्याला खोदाईचा लेआऊट तीन दिवसांचे आत देईल. शेतकऱ्यांना लेआऊटप्रमाणे पाच दिवसांच्या आत खोदाई पूर्ण करावी लागेल. वर खोदाई पुर्ण झाल्यानंतर दहा दिवसांच्या आत पुरवठादार शेतावर ठिबक सिंचन संचासाठी लागणारे साहित्याचा पुरवठा करून संचाची उभारणी करून देण्यात येईल व त्यानंतर कारखान्याचे अधिकारी प्रत्यक्ष पाहणी करतील.

- १) अ) शेतकरी निहाय ठिबक सिंचन संचाची बिले मान्य दरपत्रकाप्रमाणे पुरवठादार किंवा पुरवठादाराने कारखान्यासाठी अधिकृत केलेले वितरक देतील. (अधिकृत वितरकाची यादी सोबत जोडलेली आहे) त्यावर पुरवठादाराची किंवा अधिकृत वितरकाची स्वाक्षरी राहिल.
- ब) ठिबक सिंचन संच कार्यान्वित झाल्यानंतर पुरवठादार / अधिकृत वितरक व लाभार्थी शेतकरी यांच्या सहीनिशी संच उभारणी अहवाल व बिल कारखान्याकडे सादर करतील.
- क) कारखान्याचे अधिकारी समक्षा पाहणी करतील.
- ६) पुरवठादार कृषि आयुक्तालय पुणे, यांच्याकडे मान्यता प्राप्त पुरवठादार असून त्यांनी स्वतः उत्पादीत केलेले ठिबक सिंचन संचातील सर्व मुख्य साहित्य बी. आय.एस. मान्यताप्राप्त व उत्तम दर्जाचे असतील.
- ७) संचाच्या आराखड्याप्रमाणे मेन सबमेनसाठी लागणारे व इतर खोदकाम, फिल्टर ओटा तसेच इतर सिव्हील वर्क शेतक-याने स्वखर्चाने करावयाचे आहे. सबसरफेस ठिबकसाठी लागणारा सर्व खोदाई खर्च शेतक-याने करावयाचा आहे.
- ८) माती व पाणी परिक्षण लाभार्थी शेतकऱ्याने स्वखर्चाने कारखान्याच्या प्रयोगशाळेतून करावयाचे आहे.
- ९) ठिबक सिंचन संचाची निगा संचधारकाने कशी घ्यावयाची हे समजून सांगण्याची जबाबदारी वितरकाची राहिल.
- अ) फिल्टरची वेळोवेळी नियमित स्वच्छता करणे, त्याचप्रमाणे संपुर्ण संचाचे नियमितपणे प्लशिंग करणे. (लॅटरल, सबमेन)
- ब) संच धारकाने पिकाचे जीवनचक्र संपेपर्यंत मूळांच्या कक्षेत वाफसा स्थिती कायम रहावी यासाठी नियमित संच चालवावा.
- क) ठिबक संचाची कार्यक्षमता उत्कृष्ट राहिल तसेच संच सतत कार्यरत राहिल याची दक्षता संचधारकाने घ्यावयाची आहे.
- १०) ठिबक सिंचन संचाची मर्यादीत हमी (वॉरंटी) तीन वर्षाची राहिल. मर्यादीत हमी अंतर्गत फक्त उत्पादन मुलक दोषांचा समावेश राहिल. तीन वर्षांच्या कालावधीत ठिबक सिंचन संचाचा कोणताही भाग (कंड्युमेबल्स, इलेक्ट्रीक अॅटम्स, रबर पार्ट्स, फिल्टर जाळी/वाळु इत्यादी सोडून) उत्पादन मुलक दोषांमुळे नादुरुस्त किंवा न चालणारा (सदोष) निघाल्यास पुरवठादार गरजेनुसार फक्त ते सुटे भाग किंवा साहित्य मोफत दुरुस्त करून किंवा बदलून देईल.
- ११) ऊसतोडणी करताना संच खराब झाल्यास याची जबाबदारी संचधारकाची राहिल. शेतकऱ्यांचे विहिरीचे, बोअरचे पाणी अचानक कमी/बंद झाल्यास त्यामुळे पिकाचे नुकसान होणे, संचाची निगा न राखल्यामुळे होणा-या नुकसानीस संच धारक जबाबदार राहिल, त्याची कारखान्यास काही एक तोषीस लागू देणार नाही.
- १२) ठिबक सिंचन संच बसविण्याची योजना राबविताना विलंब होण्याचे कारण उदा. एखादा दैवी/नैसर्गिक आपत्तीमुळे पुरवठादारांच्या मानवी अखत्यारीत बाहेरील घटनेमुळे किंवा सरकारी कायदेकानून व आयात नियमातील बदलांमुळे असेल तर त्यामुळे होणाऱ्या विलंबास पुरवठादार जबाबदार राहणार नाही.
- १३) शासनाने अनुदान योजना राबविण्याचे ठरविल्यास प्रत्येक लाभार्थी शेतकऱ्यांसाठी ठिबक सिंचन संचासाठी आवश्यक असणारी शासकीय अनुदान प्रकरणे तयार करून ती शासकीय नियमाप्रमाणे



७. कारखाना सहकार्याने पुरवठा कंपनीचे तज्ञांकडून वर्षातून तीन वेळा गट/गाव पातळीवर छोटे शेतकरी मेळावे घेण्यात येतील.
८. कारखाना व पुरवठादार ठिबक कंपनी मार्फत राबविण्यात येणा-या सदर योजनेअंतर्गत ठिबक सिंचन संचावर जास्तीत जास्त उत्पादन घेणा-या प्रथम ३ शेतक-यांस कारखाना वार्षिक सर्वसाधारण सभेमध्ये प्रत्येकी रक्कम रु.११००० देवून गौरविण्यात येईल.
९. ठिबक मालाचा दर्जा व गुणवत्ता तपासणी कारखान्यामार्फत केली जाईल.
१०. ठिबक योजनेतील करारांतर्गत कंपनीला प्रति महिना १५ हेक्टर (प्रति वार्षिक १८० हेक्टर) ऊस क्षेत्रावर ठिबक सिंचन संच बसविणेचे उद्दिष्ट पूर्तता करणे बंधकारक राहिल. उद्दिष्ट पूर्तता न केलेस सदर करार रद्द करणेचा अधिकार कारखान्यास राहिल. मासिक उद्दिष्ट पूर्तता अहवाल महिना अखेरीस कारखान्यास लेखी स्वरूपात देणे बंधनकारक राहिल.
- ११) पुरवठादारास खालीलप्रमाणे पेमेंट अदा करण्यात येईल.
- अ) संचाची किंमत ऊस लागवडीची पध्दत / प्लॉटच्या डिझाईन प्रमाणे आवश्यक साहित्याच्या मागणीप्रमाणे कमी जास्त होते. त्यानुसार मान्य दरपत्रकानुसार एकूण बिलाची रक्कम आकारण्यात येईल.
- ब) कारखाना बँकेकडून शेतकरीनिहाय कर्ज घेत असल्याने बँकेने शेतकरीनिहाय कर्ज मंजूर केलेनंतरच कारखाना पुरवठादारास शेतक-यांमार्फत सहभागी कंपनीच्या वितरकाची निवड झालेनंतर कारखान्याकडून संबंधित कंपनीस वर्क ऑर्डर देणेत येईल किंवा सोबत शेतकरीनिहाय बँकेचे मंजूर पत्र देईल.
- क) कंपनीमार्फत शेताचा आराखडा / सल्ले तयार करणे व रितसर संच बसविलेनंतर संबंधित शेतक-यांचे संमतीपत्रासह व शेतकी विभागाचे तपासणी रिपोर्टसह बिल सादर झालेनंतर रु. ४९,०००/- अथवा बिल रक्कम रु.६०,०००/- पेक्षा कमी असल्यास बिलाचे रक्कमेपैकी रु.११,०००/- राखून ठेवून उर्वरीत रक्कम ठिबक कंपनीस ३० दिवसाचे आत अदा करणेत येईल. तसेच अनुदान प्रस्ताव सादर केलेनंतर रु.१,०००/- अदा करणेत येतील.
- ड) उर्वरीत रक्कम रु.१०,०००/- ऊस गाळपास अथवा बेणेस आलेनंतर एक महिन्यात कारखान्याकडून कंपनीस अदा करणेत येईल.
- १८) ठिबक सिंचन संच साहित्याचे दरपत्रक सोबत जोडलेले आहे. सदरचे दर पत्रक करार तारखेपासून पुढील सहा महिन्यापर्यंत कायम राहिल. सहा महिन्यानंतर कराराच्या कालावधीत महाराष्ट्र शासनाने ठिबक साहित्याचे दर निश्चित केल्यास व पुरवठादाराने अशा निश्चित केलेल्या दरास लिहून घेणार यांचेकडून मान्यता दिलेनंतर (आउटवर्ड दिनांक नंतर) पुरवठा केलेल्या मालाची बील आकारणी नविन दराने आकारनेत येईल.
- १९) वरील करारामधील अटी व शर्ती प्रमाणे पुरवठादार वागणेस चुकल्यास प्रस्तुतचा करार रद्द करणेचा अधिकार कारखान्यास राहिल तसेच करार रद्द करणेबाबत ८ दिवस अगोदर नोटीस देणेत येईल, तसेच यदा कदाचित वरील करारातील अटी व शर्तीचा भंग होवून कुणाचे नुकसान झालेस त्याची नुकसान भरपाईची जबाबदारी लिहून देणार यांची राहिल,

दाखल करण्याची जबाबदारी वितरकाची / पुरवठादाराची राहिल. (शासनाच्या नियमाला अधिन राहून) अनुदानासाठी लागणारी कागदपत्रे उदा. ७/१२ उतारा, ८अ, रु.१००/- किंमतीचे तीन स्टॅंप, संमतीपत्र (एकत्रित कुटूंबातील ७/१२ असल्यास इतर हिस्सेदार / वारसदारांचे संमतीपत्र) व माती-पाणी परिक्षण अहवाल इत्यादीची पूर्तता करण्याची जबाबदारी सभासद शेतकऱ्याची राहिल. तसेच साहित्याचे बिल, शेताचा नकाशा व हमीपत्र पुरवठादार देईल.

- १४) ठिबक संचाची किंमत प्लॉटच्या डिझाइन प्रमाणे साहित्याच्या मागणी प्रमाणे कमी जास्त होईल, दरपत्रका नुसार लागणा-या मालाचे दर आकारण्यात येतील. जी.एस.टी. कर जास्तीचा आकारण्यात येईल. तसेच करार केलेनंतर करारासोबत जोडलेले दर पत्रक हे पुढील सहा महिन्यासाठी कायम राहतील. सहा महिन्यांनंतर दर कमी/जास्त झाल्यास त्याची पूर्व मंजूरी घेवून दरारास मान्यता दिलेनंतर मालाचा पुरवठा व बिल आकारणी नविन दराने आकारण्यात येईल.
- १५) पुरवठादाराने रासायनिक प्रक्रिया (अॅसिड ट्रिटमेंट) संच उभारणीनंतर वर्षातून एक वेळेस व ३ वर्षातून तीन वेळा संपुर्णपणे मोफत करून द्यावयाची आहे. तीनपेक्षा जास्तवेळा रासायनिक प्रक्रिया सेवा हवी असल्यास त्यास आवश्यक अॅसिड व रु.२००/- प्रत्येक सेवेसाठी संचधारकास आगाऊ द्यावे लागतील.
- १६) आपल्या कारखान्या मार्फत सबविण्यात येणा-या ऊस उत्पादन वाढीच्या ठिबक योजनेमध्ये पुरवठादार कंपनी खालील प्रमाणे सहभागी होईल.
१. ठिबक सिंचन संचासाठी १ वर्षाकरीता विमा मोफत देण्यात येईल.
ठिबक संच विमा संरक्षण - ठिबक संच बसविलेनंतर चोरी जाणे, पुर, भुकंप, अपघात, ठिबक संच जळीत होणे यामुळे होणा-या नुकसानीस विमा संरक्षण मिळणार आहे. (विमा स्वकम ठिबक संचाची टॅक्स इन्व्हाइस नुसार होणारी किंमत) (१ वर्षासाठी)
 २. पुरवठादार कंपनीकडून लाभार्थी शेतक-याचा रु.१.०० लाखाचा विमा (अपघाती मृत्यू / कायम अपंगत्व) मोफत काढण्यात येईल. (१ वर्षासाठी)
वैयव्यकीक शेतकरी विमा संरक्षण - ठिबक संच ज्या शेतक-याचे नावावर आहे त्या शेतक-याचा अपघाती मृत्यू झालेस किंवा कायम स्वरूपी अपंगत्व आलेस १ लाखाचा विमा पुरवठादार यांचेकडून देणेत येईल. (१ वर्षासाठी)
 ३. पुरवठादार कंपनीचे वितरकांकडून माल वाहतूक खर्च व जोडणी खर्च संबंधित शेतक-याकडून वाहतूक व जोडणी खर्चापोटी प्रति एकरी रु.५००/- शेतक-याकडून रोख स्वरुपात घेणेत यावे.
 ४. सबसर्फेस नळ्या अंथरण्यासाठी पुरवठादार मोफत यंत्र उपलब्ध करून देतील.
 ५. लाभार्थी शेतक-यांना खतमात्रा, पाणी नियोजन मार्गदर्शन तसेच वर्षातून ३ वेळा कृषी तज्ञ भेट देतील. त्याचा रिपोर्ट / फिडबॅक शेतकरी व शेतकी विभाग यांचे सहीनिशी फायनल पेमेंट वेळी देणे आवश्यक आहे. सेवा व सुविधा न पुरविल्यास करार रद्द करण्याचा अधिकार कारखान्यास राहिल.
 ६. शेतकरीनिहाय खत व पाणी व्यवस्थापन परिपत्रक / माहिती पुस्तिका (डायरी) देऊन त्याच्या अंमलबजावणीसाठी मार्गदर्शन करण्यात येईल.

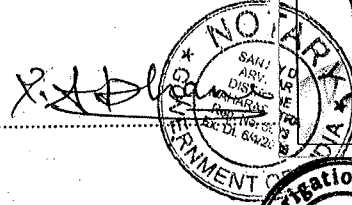
२०) या कराराबाबत व योजनेच्या अंमलबजावणी काळात काही वाद, मतभेद अथवा गैरसमज निर्माण झाल्यास पुरवठादार व कारखाना संयुक्तपणे न्यायासाठी न्यायालयीन प्रकिया करेल. पुरवठादाराने कारखान्यामध्ये रु.१५०/- नाममात्र सभासद फी पावती क १५६२ नुसार दि १० / ०७ / २०२३ रोजी भरणा केलेला आहे. पुरवठादार कारखान्याचे नाममात्र सभासद झाले असल्याने उपस्थित वाद महाराष्ट्र राज्य सहकारी संस्था अधिनियम १९६० अन्वये सहकार न्यायालय पुणे यांच्याकडे निर्णयासाठी सोपवण्यात येईल.

२१) सदर करारनामा दिनांक १९ / ०५ / २०२३ पासून ते दिनांक ३१ / ०५ / २०२४ पर्यंत ०९ वर्षासाठी लागू राहील.

वरील करारातील अटी व शर्ती कबुल असून आज दिनांक १० / ०७ / २०२३ रोजी कारखाना कार्यालयात दोन साक्षीदारांसमक्ष सही करून करारनामा करून दिला.

करारनामा लिहून देणार

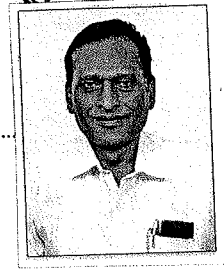
नेटाफिम इरिगेशन इंडीया प्रा.लि. करिता
विभागीय व्यवस्थापक - श्री. रुपेशकुमार अंकुश दाणे



करारनामा लिहून घेणार

भीमाशंकर सहकारी साखर कारखाना लि. करिता
कार्यकारी संचालक - श्री.चंद्रकांत गंगाधर ढगे

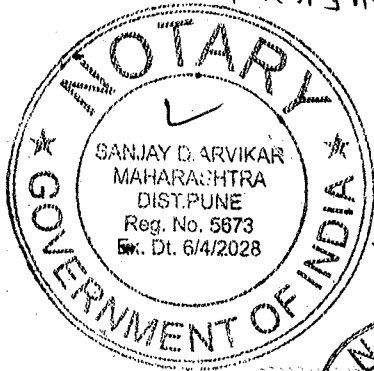
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साक्षीदार

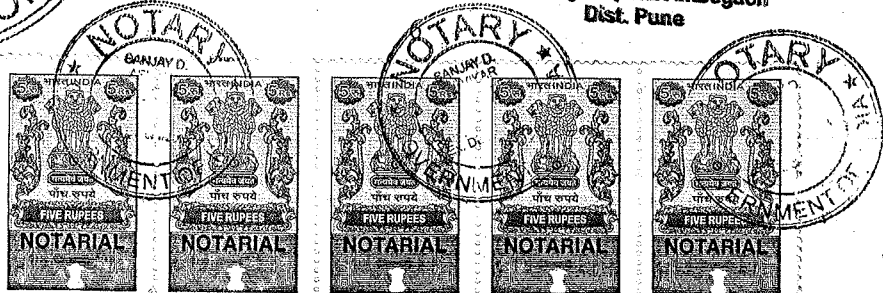
१. श्री विकास चंद्रकांत ढगे
दत्तात्रय नगर, पाठाव ना. कावेगाव जि. पुणे
२. विशाल सौंदर्य कलिराय
रा. स. म. गु. म. ना. लि. रा. नगर जि. पुणे

[Handwritten signatures of witnesses]



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पाने १९ ते २०

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दत्तात्रयनगर, पारगांव तर्फे अवसरी बु.
ता. आंबेगाव, जि. पुणे

व

जैन एरिगेशन सिस्टीम लि.,.
संगम प्रोजेक्ट, स.नं. ४०/१, बी - २, ४६ दुसरा
सजला डॉ. आंबेडकर रोड
जुना वेलस्ली रोड, आर.टी.ओ ऑफीस व
संगम ब्रीजजवळ, शिवाजीनगर, पुणे - ४११००१

२०२३/२४



महाराष्ट्र MAHARASHTRA

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(Signature)

सदरचा मुद्रांक लिटह अण्ड लायसन्तसाठी नाही

रंजित लक्ष्मण याजमे, मुद्रांक विक्रेता, नारायणगाव, ला.नं. २२०७०९६, मुदत ३१/३/
ना.गांव विक्री क्रं. १७१ दि. ८-५-२३ रु. १००/-

मुद्रांक कोणत्या कारणासाठी वापरण्याचा करार

मुंबई मुद्रांक अधिनियम, १९५८ चे अनुच्छेद क्र.

नांव जैन हरिगणेश शिस्टम वि

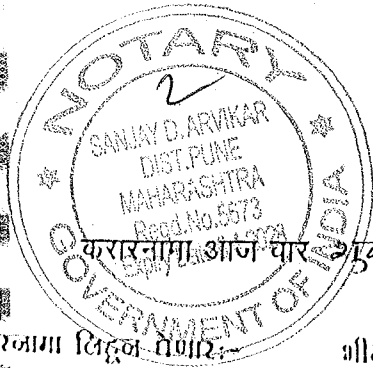
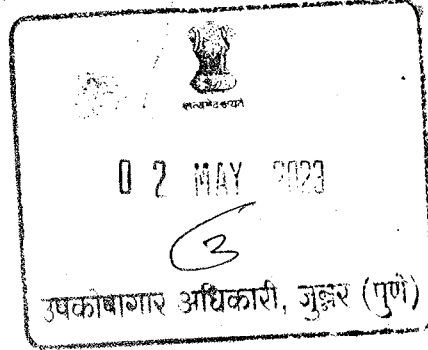
पत्ता पुणे

रंजित लक्ष्मण याजमे पत्ता

मुद्रांक विक्रेता नारायणगाव

ला.नं. २२०७०९६

(Signature) श्री. बाळू वाकरी



करारनामा

करारनामा आज चार बुधवार वार दि. १८ माहे मे. सन २०२३ रोजी

करारनामा लिहून घेतले.

श्री. गणेशकर सहकारी साखर कारखाना लि.

दत्तात्रयनगर, पारगाव तर्फे अवसारी बु. ता. आंबेगाव, जि. पुणे करिता

कार्यकारी संचालक - श्री. संदीप गंगाधर ढगे

वय - ५७ वर्षे पदा - नोकरे

करारनामा लिहून देणार:-

जैन एरिगेशन सिस्टीम लि.,

रांगम प्रोजेक्ट, रा.नं.४०/१, वी - २, ४६ दुसरा मजला

अ. आंबेडकर रोड, जुना नेलरली रोड,

आर.टी.ओ ऑफीस व रांगम वीजजवळ ,

शिवाजीनगर, पुणे -४११००१

(पुरवठादार) करिता

विभागीय व्यवस्थापक, विद्वी विभाग - श्री.स्वी गणपतराव गाडीवान

तस - ५२-तर्जे धंदू- नोकरी

कारणे करारनामा लिहून देतो कि

मीमांशंकर सहकारी साखर कारखाना लि. दत्तात्रयनगर, पारभांव तर्फे अवसारी बु. ता.आंबेगाव, जि.पुणे यांच्या संचालक मंडळाने कारखान्याच्या सभासद/उत्स उत्पादकांचे एकरी उत्पन्न वाढ होवून चांगल्या गुणवत्तेचा दर्जेदार उत्स मिळावा म्हणून शेतकऱ्यांना उत्स पिकासाठी ठिबक सिंचन संव बसवून देण्याची योजना सध्याच्या निमित्त घेतला आहे.

दि.०८/०१/२०२३ रोजी कारखान्याच्या मा.संचालक मंडळ सभेमध्ये झालेल्या चर्चेप्रमाणे व सोबत जोडलेल्या दरपत्रकानुसार जैन एरिगेशन सिस्टीम लि.यांना स्वाक्षील अटी शर्तीप्रमाणे काम देण्यात आले आहे.

करारनामा लिहून देणार ही ठिबक सिंचन संवाचे साहित्य उत्पादन करणारी व त्यांची विक्री व पुरवठा करणारी कारखान्याच्या (नोंदलेली) कंपनी आहे. सदर कंपनीचा नोंदविलेला पत्ता वर नमुद केलेल्याप्रमाणे आहे (सदर कंपनीचा उल्लेख आपुढे पुरवठादार असा करण्यात आला आहे.) लिहून घेणार हा महासंघ राज्य सहकारी संस्था अधिनियम १९६० अंतर्गत नोंदणी केलेला सहकारी साखर कारखाना असून, त्यांचा सभासद व विंगट सभासदांचे उपासुन साखर व इतर पदार्थ तयार करण्याचा व्यवसाय आहे. (यापुढे लिहून घेणार हा सहकार कारखान्याच्या नोंदलेला साखर कारखाना असून त्यांचा उल्लेख कारखाना असा केला आहे.)

सोचना सशर्ती करण्यासाठी कारखाना व पुरवठादार ठिबक कंपनी सागधील अटी व शर्ती स्वाक्षीलप्रमाणे असतील.

- १) कारखाना ठिबक सिंचन संव बसविणाऱ्या इय्युक सभासदांची नावे व संबंधीत आवश्यक असणारी कागदपत्रे पुरवठादारास देईल.
- २) प्राप्त झालेल्या सादीनुसार पुरवठादार किंवा त्यांचे अधिकृत वितरक लाभार्थी शेतकऱ्यांच्या शेतावर प्रत्यक्ष जाऊन शेताचे मोजमाप (सर्व्हे) करतील.
- ३) मोजमापानुसार पुरवठादार किंवा त्यांचे अधिकृत वितरक अभियांत्रिकी तंत्रिक व आर्थिक दृष्ट्या योग्य असलेला आराखडा तयार करून त्यासाठी लागणाऱ्या साहित्याची सादी (कोटेशन) तयार करतील.
- ४) कारखाना पुरवठादारास शेतकरी निहाय वर्क ऑर्डर देईल. कारखान्याकडून वर्क ऑर्डर मिळाल्यानंतर पुरवठादार लाभार्थी शेतकऱ्याला खोदाईचा लेआऊट तीन दिवसांचे आत देईल. शेतकऱ्यांना लेआऊटप्रमाणे पाच दिवसांच्या आत खोदाई पूर्ण करावी लागेल. चर खोदाई पूर्ण झाल्यानंतर दहा दिवसांच्या आत पुरवठादार शेतावर ठिबक सिंचन संवारासाठी लागणारे साहित्याचा पुरवठा करून संवाची उभारणी करून देण्यात येईल व त्यानंतर कारखान्याचे अधिकारी प्रत्यक्ष पाहणी करतील.

- १) अ) शेतकरी निवास ठिकाण सिंचन संवावी विले मान्य दरप्रकाप्रमाणे पुरवठादार किंवा पुरवठादाराने कारखान्यासाठी अधिकृत केलेले वितरक देतील. (अधिकृत वितरकाची यादी सोबत जोडलेली आहे) त्यावर पुरवठादाराची किंवा अधिकृत वितरकाची स्वाक्षरी राहिल.
- ब) ठिकाण सिंचन संव कार्याठित आल्यानंतर पुरवठादार / अधिकृत वितरक व लागार्थी शेतकरी सांख्या राहीनिशी संव उगारणी अडवाल व विल कारखान्याकडे सादर करतील.
- क) कारखान्याचे अधिकारी समक्ष पाहणी करतील.
- ६) पुरवठादार कृषि आयुक्तालय पुणे, सांख्याकडे मान्यता प्राप्त पुरवठादार अयुन त्यांनी रयत: उत्पादीत केलेले ठिकाण सिंचन संवातील सर्व मुख्य साहित्य वी. आय.एस. मान्यताप्राप्त व उत्तम दर्जाचे असातील.
- ७) संवाच्या आरख्यड्याप्रमाणे मेन सवमेनसाठी लागणारे व इतर खोदकाम, फिल्टर ओटा तसेच इतर शिल्हील चर्क शेतक-याने स्वख्यवनि करावयाचे आहे. सवसरफेस ठिकाणसाठी लागणारा सर्व खोदाई खर्च शेतक-याने करावयाचा आहे.
- ८) गाती व पाणी परिक्षण लागार्थी शेतकऱ्याने स्वख्यवनि कारखान्याच्या प्रयोगशाळेतुन करावयाचे आहे.
- ९) ठिकाण सिंचन संवाची निगा संवधारकाने कशी घ्यावयाची हे समजून सांगण्याची जबाबदारी वितरकाची राहिल.
- अ) फिल्टरची वेळोवेळी नियमित स्वच्छता करणे, त्याचप्रमाणे संपुर्ण संवाचे नियमितपणे फ्लशिंग करणे. (लॅटरल, सवमेन)
- ब) संव धारकाने पिकाचे जीवनचक्र संपेपर्यंत मूळांच्या कक्षेत वाफसा स्थिती कायम रहावी यासाठी नियमित संव चालवावा.
- क) ठिकाण संवाची कार्यक्षमता उत्कृष्ट राहिल तसेच संव सतत कार्यरत राहिल याची दक्षता संवधारकाने घ्यावयाची आहे.
- १०) ठिकाण सिंचन संवाची मर्यादीत हमी (वॉरंटी) तीन वर्षांची राहिल. मर्यादीत हमी अंतर्गत फक्त उत्पादन मुलक दोषांचा समावेश राहिल. तीन वर्षांच्या कालावधीत ठिकाण सिंचन संवाचा कोणताही भाग (कंड्युगेवल्स, इलेक्ट्रीक अंटेम्स, रबर पार्टस, फिल्टर जाळी/वाळु इत्यादी सोडुन) उत्पादन मुलक दोषांमुळे नादुरुस्त किंवा न चालणारा (सदोष) निघाल्यास पुरवठादार गरजेनुसार फक्त ते सुटे भाग किंवा साहित्य गोफत दुरुस्त करून किंवा बदलुन देईल.
- ११) ऊसतोडणी करताना संव खराब झाल्यास याची जबाबदारी संवधारकाची राहिल. शेतकऱ्यांचे विहिरीचे, चोअरचे पाणी अवाक कमी/बंद झाल्यास त्यामुळे पिकाचे नुकसान होणे, संवाची निगा न राखल्यामुळे होणा-या नुकसानीस संव धारक जबाबदार राहिल, त्याची कारखान्यास काही एक तोपीस लागु देणार नाही.
- १२) ठिकाण सिंचन संव रसायिण्याची योजना सवविताना विलंब होण्याचे कारण उदा. एखादा दैवी/नैसर्गीक आपत्तीमुळे पुरवठादारांच्या मानवी अखत्यारीत बाहेरील घटनेमुळे किंवा सरकारी कायदेकानुन व आयात निरमातील बदलांमुळे असेल तर त्यामुळे होणाऱ्या विलंबास पुरवठादार जबाबदार राहणार नाही.

६. शेतकरीनिहाय स्वतः व पाणी व्यवस्थापन परिषदक / माहिती पुरतीका (अखेरी) देखून त्याच्या अंगलबजावणीसाठी मार्गदर्शन करण्यात येईल.
७. वारखांना सहकार्यांनी पुरवठा कंपनीचे तक्रारकडून घ्यावून तीन तेज मंड/गाव पातळीवर छोटे शेतकरी गेल्याचे घेण्यात येतील.
८. वारखांना व पुरवठादार ठिबक कंपनी मार्फत संबंधित शेणा-या सदर योजनेअंतर्गत ठिबक शिंवण संचावर जास्तीत जास्त उत्पादन घेणा-या प्रथम ३ शेतकरी-यां कारखाना वार्षिक सर्वसाधारण सभेमध्ये प्रत्येकी रक्कम रु.११००० देवून गौरविण्यात येईल.
९. ठिबक मालाचा दर्जा व गुणवत्ता तपासणी कारखान्यामार्फत केली जाईल.
१०. ठिबक योजनेतील करारांतर्गत कंपनीला प्रति महिना १५ हेक्टर (प्रति वार्षिक १८० हेक्टर) ऊस क्षेत्रावर ठिबक सिंचन संच बसविणेचे उद्दिष्ट पूर्तता करणे बंधकारक राहिल. उद्दिष्ट पूर्तता न केलेस सदर करार रद्द करणेचा अधिकार कारखान्यास राहिल. मासिक उद्दिष्ट पूर्तता अहवाल महिना अखेरीस कारखान्यास लेखी स्वरूपात देणे बंधनकारक राहिल.
- ११) पुरवठादारास खालीलप्रमाणे वेगवेगळे अदा करण्यात येईल.
- अ) संचाची किंमत ऊस लागवडीची पध्दत / प्लॉटच्या डिझाईन प्रमाणे आवश्यक याद्विषयाच्या मागणीप्रमाणे कमी जास्त होते. त्यानुसार मान्य दरपत्रकानुसार एकूण दिलावी रक्कम आकारण्यात येईल.
- ब) कारखाना बँकेकडून शेतकरीनिहाय कर्ज घेत असल्याने बँकेने शेतकरीनिहाय कर्ज मंजूर केलेनंतरच कारखाना पुरवठादारास शेतकरी-यांमार्फत सहभागी कंपनीच्या वितरकाची निवड झालेनंतर कारखान्याकडून संबंधित कंपनीस वर्क ऑर्डर देणेत येईल किंवा सोबत शेतकरीनिहाय बँकेचे मंजूर पत्र देईल.
- क) कंपनीमार्फत शेताचा आराखडा / सर्व्हे तयार करणे व रितसर संव बसविलेनंतर संबंधित शेतकरी-यांचे संगतीपत्रासह व शेतकी विभागाचे तपासणी रिपोर्टसह बिल सादर झालेनंतर रु. ४९,०००/- अथवा बिल रक्कम रु.६०,०००/- पेक्षा कमी असल्यास बिलाचे रक्कमेपैकी रु.१९,०००/- राखून ठेवून उर्वरित रक्कम ठिबक कंपनीस ३० दिवसांचे आत अदा करणेत येईल. तसेच अनुदान प्रस्ताव सादर केलेनंतर रु.१,०००/- अदा करणेत येतील.
- ड) उर्वरित रक्कम रु.१०,०००/- ऊस मालापास अथवा वेणेस आलेनंतर एक महिन्यात कारखान्याकडून कंपनीस अदा करणेत येईल.
- १२) ठिबक शिंवण संच साहित्याचे दरपत्रक सोबत जोडलेले आहे. सदरचे दर पत्रक करार तारखेपासून पुढील सहा महिन्यापर्यंत कायम राहिल. सहा महिन्यांनंतर कराराच्या कालावधीत महाराष्ट्र शासनाने ठिबक साहित्याचे दर निश्चित केल्यास व पुरवठादाराने अशा निश्चित केलेल्या दरास लिहून घेणार यांचेकडून मान्यता दिलेनंतर (आउटवर्ड दिनांक नंतर) पुरवठा केलेल्या मालाची मूल आकारणी नविन दराने आकारनेत येईल.
- १३) वरील करारातील अटी व शर्ती प्रमाणे पुरवठादार तागणेश मुकल्यास प्रस्तुतता करार रद्द करणेचा अधिकार कारखान्यास राहिल तसेच करार रद्द करणेबाबत ८ दिवस आगोदर नोटीस देणेत येईल.

- १३) शासनाचे अनुदान योजना राबविण्याचे ठरविल्यास प्रत्येक लाभार्थी शेतकऱ्यांसाठी ठिबक सिंचन संवासाठी आवश्यक असणारी शासकीय अनुदान प्रकरणे तयार करून ती शासकीय नियमाप्रमाणे दाखल करण्याची जबाबदारी वितरकाची / पुरवठादाराची राहिल. (शासनाच्या नियमांना अधिन राहून) अनुदानासाठी लागणारी कागदपत्रे उदा. ७/१२ उतारा, ८३, रु.१००/- किंमतीचे तीन स्टॅप, संगतीपत्र (एकत्रित कुटूंबातील ७/१२ असल्यास इतर हिस्सेदार / वारसदारांचे संगतीपत्र) व माती-पाणी परिक्षण अहवाल इत्यादीची पूर्तता करण्याची जबाबदारी सभासद शेतकऱ्याची राहिल. तसेच साहित्याचे बिल, शेताचा नकाशा व हमीपत्र पुरवठादार देईल.
- १४) ठिबक संवाची किंमत प्लॉटच्या डिझाइन प्रमाणे साहित्याच्या मागणी प्रमाणे कमी जास्त होईल, दरपत्रका नुसार लागणा-या मालाचे दर आकारण्यात येतील. जी.एस.टी. कर जास्तीचा आकारण्यात येईल. तसेच करार केलेनंतर करारासोबत जोडलेले दर पत्रक हे पुढील सहा महिन्यांसाठी कायम राहतील. सहा महिन्यांनंतर दर कमी/जास्त झाल्यास त्याची पूर्व मंजूरी घेवून दरास मान्यता दिलेनंतर मालाचा पुरवठा व वील आकारणी नविन दराने आकारण्यात येईल.
- १५) पुरवठादायाने रासायनिक प्रकिया (अॅसिड ट्रिटमेंट) संघ उभारणीनंतर वर्षातून एक वेळेस व ३ वर्षातून तीन वेळा संपुर्णपणे गोफत करून दयावयाची आहे. तीनपेक्षा जास्तवेळा रासायनिक प्रकिया सेवा हवी असल्यास त्यास आवश्यक अॅसिड व रु.२००/- प्रत्येक सेवेसाठी संचारकास आगाऊ द्यावे लागतील.
- १६) आपल्या कारखान्या मार्फत राबविण्यात येणा-या ऊस उत्पादन वाढीच्या ठिबक योजनेमध्ये पुरवठादार कंपनी स्वतःला प्रमाणे सहभागी होईल.
१. ठिबक सिंचन संवासाठी १ वर्षाकरीता विमा गोफत देण्यात येईल.
ठिबक संघ विमा संरक्षण - ठिबक संघ बसविलेनंतर चोरी जाणे, पुर, भुकंप, अपघात, ठिबक संघ जळीत होणे यांमुळे होणा-या नुकसानीस विमा संरक्षण मिळणार आहे. (विमा रक्कम ठिबक संवाची टॅक्स इन्व्हाइस नुसार होणारी किंमत) (१ वर्षासाठी)
 २. पुरवठादार कंपनीकडून लाभार्थी शेतक-याचा रु.१.०० लाखाचा विमा (अपघाती मृत्यू / कायम अपंगत्व) गोफत काढण्यात येईल. (१ वर्षासाठी)
वैयक्तिक शेतकरी विमा संरक्षण - ठिबक संघ ज्या शेतक-याचे नावावर आहे त्या शेतक-याचा अपघाती मृत्यू झालेस किंवा कायम स्वरूपाचे अपंगत्व आलेस १ लाखाचा विमा पुरवठादार यांचेकडून देणेत येईल. (१ वर्षासाठी)
 ३. पुरवठादार कंपनीचे वितरकांकडून माल वाहतूक खर्च व जोडणी खर्च संबंधित शेतक-याकडून वाहतूक व जोडणी खर्चापोटी प्रति एकरी रु.५००/- शेतक-याकडून रोख स्वरूपात घेणेत यावे.
 ४. सबसरफेस नळ्या अंथरण्यासाठी पुरवठादार गोफत यंत्र उपलब्ध करून देतील.
 ५. लाभार्थी शेतक-यांना खतमात्रा, पाणी नियोजन मार्गदर्शन तसेच वर्षातून ३ वेळा कृषी तज्ञ भेट देतील. त्याचा रिपोर्ट / फिडबॅक शेतकरी व शेतकी विभाग यांचे सहीनिशी फायनल पेमेंट वेळी देणे आवश्यक आहे. सेवा व सुविधा न पुरविल्यास करार रद्द करण्याचा अधिकार कारखान्यास राहिल.

तसेच यदा कदाचित वरील करारातील अटी व शर्तीचा भंग होवून कुणाचे नुकसान झालेस त्याची नुकसान भरपाईची जबाबदारी लिहून देणार यांची राहिल.

- २०) या कराराबाबत व योजनेच्या अंमलबजावणी काळात काही वाद, मतभेद अथवा गैरसमज निर्माण झाल्यास पुरवठादार व कारखाना संयुक्तपणे न्यायासाठी न्यायालयीन प्रक्रिया करेल. पुरवठादाराने कारखान्यामध्ये रु.१५०/- नाममात्र सभासद फी पावती क ६१४ नुसार १९ / ०५ / २०२३ रोजी भरणा केलेला आहे. पुरवठादार कारखान्याचे नाममात्र सभासद झाले असल्याने उपस्थित वाद महाराष्ट्र राज्य सहकारी संस्था अधिनियम १९६० अन्वये सहकार न्यायालय पुणे यांच्याकडे निर्णयासाठी सोपवण्यात येईल.
- २१) सदर करारनामा दिनांक १९ / ०५ / २०२३ पासून ते दिनांक १८ / ०५ / २०२४ पर्यंत शर्तीसाठी लागू राहिल.

वरील करारातील अटी व शर्ती कबुल असून आज दिनांक १९ / ०५ / २०२३ रोजी कारखाना कार्यालयात दोन साक्षीदारांसमक्ष सही करून करारनामा करून दिला.

करारनामा लिहून देणार

जैन एरिगेशन सिस्टीम लि...
विभागीय विक्री व्यवस्थापक, - श्री. रवी गणपतराव गाडीवान

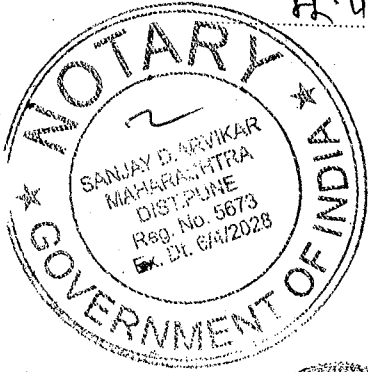
करारनामा लिहून घेणार

भीमाशंकर सहकारी साखर कारखाना लि. करिता
कार्यकारी संचालक - श्री. चंद्रकांत गंगाधर ढगे

साक्षीदार

१. दिमकर रामभाऊ आर्जुन
रा. प. गा. सं. मांढगाव जि. पुणे

२. सचिन बाळ बाकसे
मू.पो. नारायणगाव

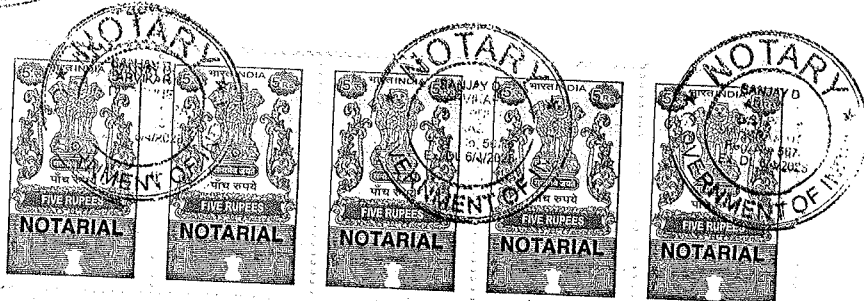


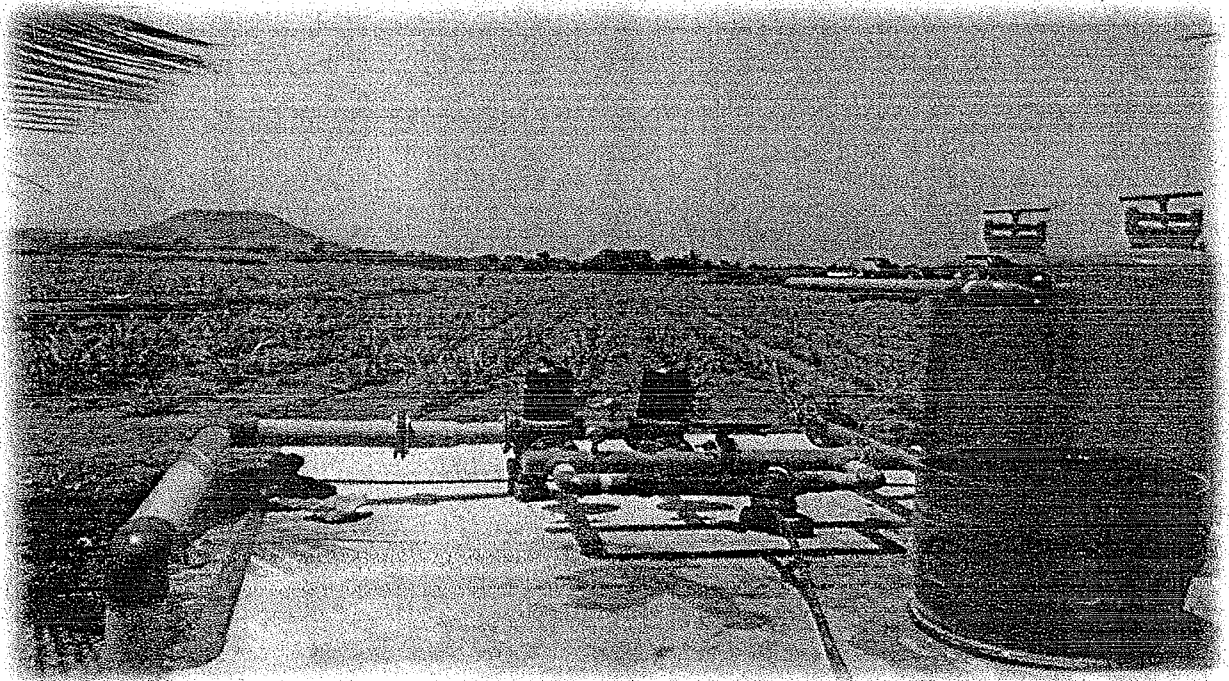
NOTED AND REGISTERED
AT SR. NO. 5161/2023
REG. NO. 32

19 MAY 2023

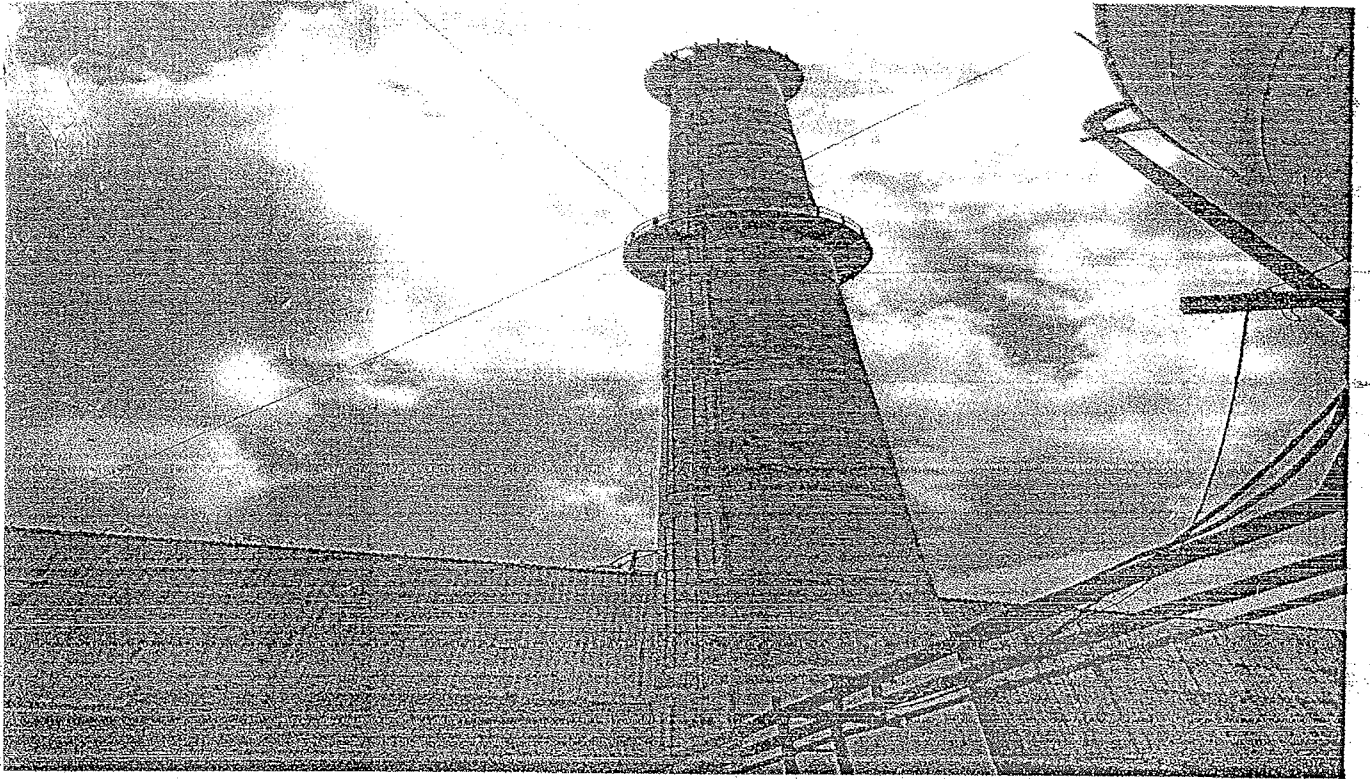
BEFORE ME

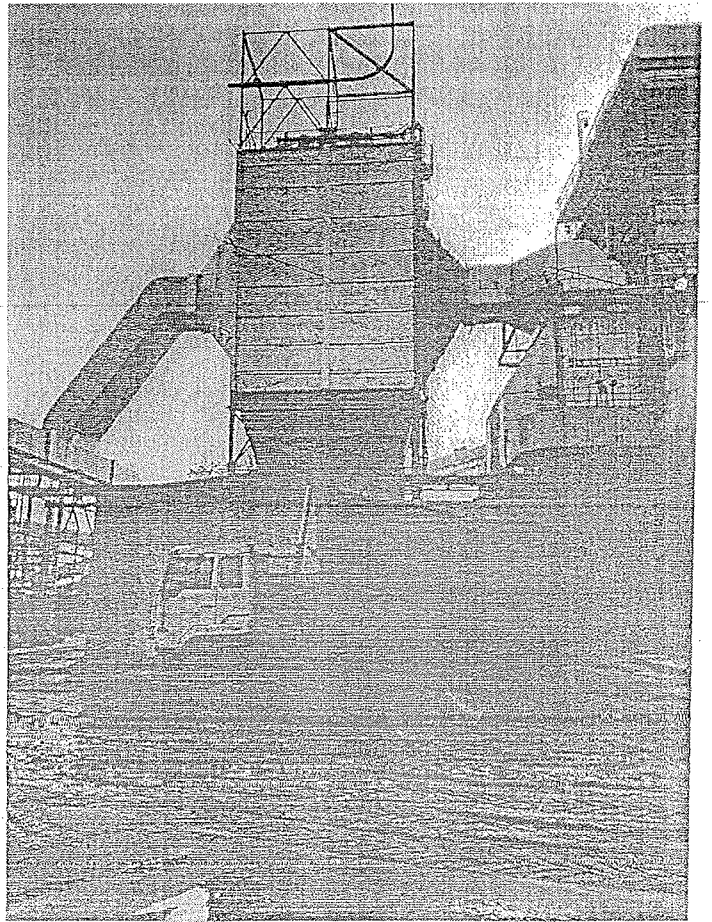
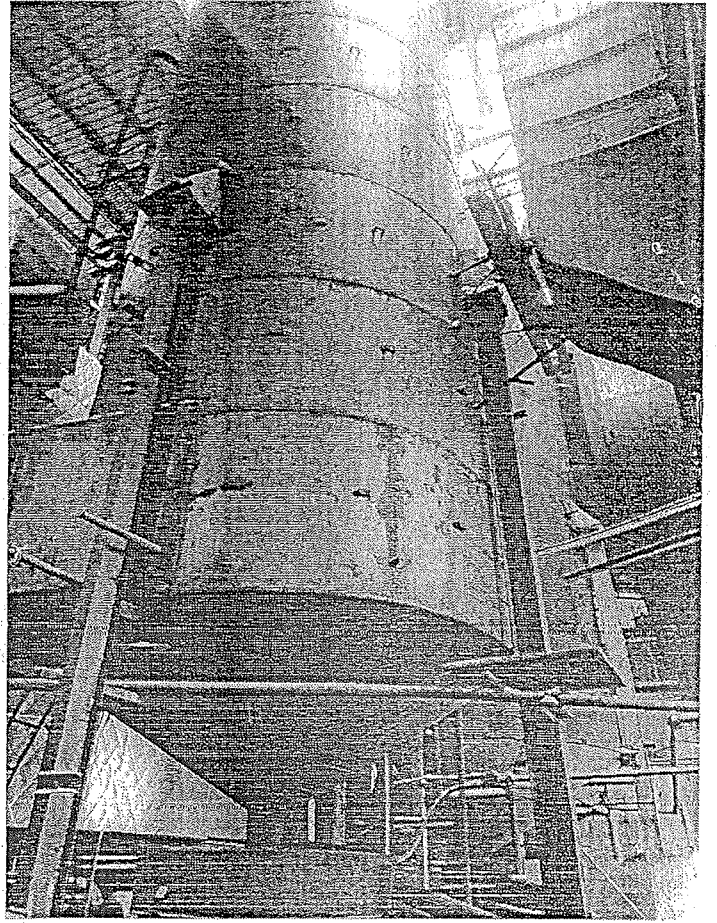
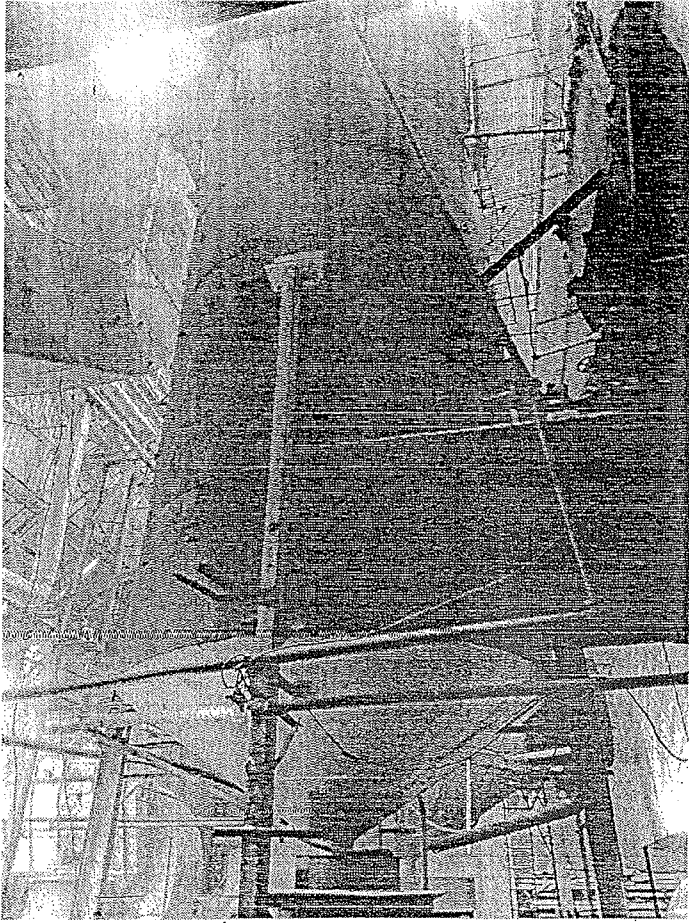
SANJAY D. ARVIKAR
M.Com., LL.B.
ADVOCATE & NOTARY
GOVT. OF INDIA
Ghodegaon, Tal. Ambegaon
Dist. Pune





10





EnviroConnect Forbes Marshall Multi Station Report

From Date 01-11-2022 00:00
To Date 30-11-2022 23:59
Interval Daily
Function Average

Plant BSSK
Analyzer STACK1
Parameter PM
Unit mg/Nm3
Limit 0.00 - 150.00

11-11-2022 00:00	59.95 < M
12-11-2022 00:00	59.68 < M
13-11-2022 00:00	59.05 < M
14-11-2022 00:00	58.95 < M
15-11-2022 00:00	59.67 < M
16-11-2022 00:00	59.63 M
17-11-2022 00:00	60 M
18-11-2022 00:00	60 M
19-11-2022 00:00	60
20-11-2022 00:00	60
21-11-2022 00:00	60
22-11-2022 00:00	60 M
23-11-2022 00:00	60 M
24-11-2022 00:00	60 M
25-11-2022 00:00	60 M
26-11-2022 00:00	60 M
27-11-2022 00:00	60 M
28-11-2022 00:00	59.96 M
29-11-2022 00:00	60 M
30-11-2022 00:00	60 M

Average 59.8
Geom.Mean 59.8
Maximum 60
Median 60
Minimum 59
Mode 60
Std.Deviation 0.3
Total Active Duration

From Date 01-11-2022 00:00
To Date 30-11-2022 23:59
Interval Daily
Function Average

Plant BSSK
Analyzer STACK2
Parameter PM
Unit mg/Nm3
Limit 0.00 - 150.00

11-11-2022 00:00	73.86 < M
12-11-2022 00:00	73.93 < M
13-11-2022 00:00	73.74 < M
14-11-2022 00:00	73.43 < M
15-11-2022 00:00	74.29 < M
16-11-2022 00:00	74.57 M
17-11-2022 00:00	75 M
18-11-2022 00:00	75 M
19-11-2022 00:00	75 M
20-11-2022 00:00	75 M
21-11-2022 00:00	75 M
22-11-2022 00:00	75 M
23-11-2022 00:00	75 M
24-11-2022 00:00	75 M
25-11-2022 00:00	75 M
26-11-2022 00:00	75 M
27-11-2022 00:00	75 M
28-11-2022 00:00	75 M
29-11-2022 00:00	75 M
30-11-2022 00:00	74.92 M
Average	74.7
Geom.Mean	74.7
Maximum	75
Median	75
Minimum	73.4
Mode	75
Std.Deviation	0.5
Total Active Duration	

EnviroConnect Forbes Marshall Multi Station Report

From Date 01-12-2022 00:00
 To Date 31-12-2022 23:59
 Interval Daily
 Function Average

Plant BSSK
 Analyzer STACK1
 Parameter PM
 Unit mg/Nm3
 Limit 0.00 - 150.00

01-12-2022 00:00	60 M
02-12-2022 00:00	60 M
03-12-2022 00:00	60 M
04-12-2022 00:00	60 M
05-12-2022 00:00	60 M
06-12-2022 00:00	60 M
07-12-2022 00:00	60 M
08-12-2022 00:00	60 M
09-12-2022 00:00	59.76 M
10-12-2022 00:00	59.18 < M
11-12-2022 00:00	59.66 < M
12-12-2022 00:00	59.26 < M
13-12-2022 00:00	58.82 < M
14-12-2022 00:00	59.29 < M
15-12-2022 00:00	59.89 < M
16-12-2022 00:00	59.43 < M
17-12-2022 00:00	67.04 < M
18-12-2022 00:00	73.68 < M
19-12-2022 00:00	73.6 < M
20-12-2022 00:00	74.38 <
21-12-2022 00:00	74.86 <
22-12-2022 00:00	73.96 <
23-12-2022 00:00	74.62 <
24-12-2022 00:00	74.87
25-12-2022 00:00	73.92 <
26-12-2022 00:00	74.48 <
27-12-2022 00:00	74.34 <
28-12-2022 00:00	74.08 <
29-12-2022 00:00	74.52 <
30-12-2022 00:00	74.62 <
31-12-2022 00:00	74.15 <
Average	66.5
Geom.Mean	66.1
Maximum	74.9
Median	60
Minimum	58.8
Mode	60
Std.Deviation	7.3

From Date 01-12-2022 00:00
 To Date 31-12-2022 23:59
 Interval Daily
 Function Average

Plant BSSK
 Analyzer STACK2
 Parameter PM
 Unit mg/Nm3
 Limit 0.00 - 150.00

01-12-2022 00:00	75 M
02-12-2022 00:00	75 M
03-12-2022 00:00	75 M
04-12-2022 00:00	75 M
05-12-2022 00:00	75 M
06-12-2022 00:00	75 M
07-12-2022 00:00	75 M
08-12-2022 00:00	75 M
09-12-2022 00:00	75 M
10-12-2022 00:00	73.95 < M
11-12-2022 00:00	74.23 < M
12-12-2022 00:00	74.65 < M
13-12-2022 00:00	74.25 < M
14-12-2022 00:00	74.28 < M
15-12-2022 00:00	74.58 < M
16-12-2022 00:00	74.07 < M
17-12-2022 00:00	69.33 < M
18-12-2022 00:00	64.9 < M
19-12-2022 00:00	64.83 < M
20-12-2022 00:00	65.79 < M
21-12-2022 00:00	65.44 < M
22-12-2022 00:00	65.09 < M
23-12-2022 00:00	65.82 < M
24-12-2022 00:00	65.71 M
25-12-2022 00:00	64.36 < M
26-12-2022 00:00	65.72 < M
27-12-2022 00:00	65.42 < M
28-12-2022 00:00	65.51 < M
29-12-2022 00:00	65.63 < M
30-12-2022 00:00	65.35 < M
31-12-2022 00:00	64.72 < M
Average	70.3
Geom.Mean	70.1
Maximum	75
Median	74
Minimum	64.4
Mode	75
Std.Deviation	4.7

From Date 01-01-2023 00:00
 To Date 31-01-2023 23:59
 Interval Daily
 Function Average

Plant BSSK
 Analyzer STACK1
 Parameter PM
 Unit mg/Nm3
 Limit 0.00 - 150.00

01-01-2023 00:00	74.15 <
02-01-2023 00:00	74.61 <
03-01-2023 00:00	74.53 <
04-01-2023 00:00	75
05-01-2023 00:00	75
06-01-2023 00:00	75 < M
07-01-2023 00:00	75 <
08-01-2023 00:00	75 <
09-01-2023 00:00	75 <
10-01-2023 00:00	75 < M
11-01-2023 00:00	75 < M
12-01-2023 00:00	75
13-01-2023 00:00	75 <
14-01-2023 00:00	75 <
15-01-2023 00:00	75 < M
16-01-2023 00:00	75 < M
17-01-2023 00:00	75 < M
18-01-2023 00:00	75 < M
19-01-2023 00:00	75 < M
20-01-2023 00:00	75 < M
21-01-2023 00:00	75 < M
22-01-2023 00:00	75 < M
23-01-2023 00:00	75 < M
24-01-2023 00:00	75 < M
25-01-2023 00:00	75 < M
26-01-2023 00:00	75 < M
27-01-2023 00:00	75 < M
28-01-2023 00:00	75 < M
29-01-2023 00:00	75 < M
30-01-2023 00:00	75 < M
31-01-2023 00:00	75 < M

Average	74.9
Geom.Mean	74.9
Maximum	75
Median	75
Minimum	74.1
Mode	75
Std.Deviation	0.2

From Date 01-01-2023 00:00
 To Date 31-01-2023 23:59
 Interval Daily
 Function Average

Plant BSSK
 Analyzer STACK2
 Parameter PM
 Unit mg/Nm3
 Limit 0.00 - 150.00

01-01-2023 00:00	65.69 < M
02-01-2023 00:00	65.21 < M
03-01-2023 00:00	65.88 < M
04-01-2023 00:00	66 M
05-01-2023 00:00	66 M
06-01-2023 00:00	66 < M
07-01-2023 00:00	66 < M
08-01-2023 00:00	66 < M
09-01-2023 00:00	66 < M
10-01-2023 00:00	66 < M
11-01-2023 00:00	66 < M
12-01-2023 00:00	66 M
13-01-2023 00:00	66 < M
14-01-2023 00:00	66 < M
15-01-2023 00:00	66 < M
16-01-2023 00:00	65.93 < M
17-01-2023 00:00	66 < M
18-01-2023 00:00	66 < M
19-01-2023 00:00	66 < M
20-01-2023 00:00	66 < M
21-01-2023 00:00	66 < M
22-01-2023 00:00	66 < M
23-01-2023 00:00	66 < M
24-01-2023 00:00	66 < M
25-01-2023 00:00	66 < M
26-01-2023 00:00	66 < M
27-01-2023 00:00	66 < M
28-01-2023 00:00	66 < M
29-01-2023 00:00	66 < M
30-01-2023 00:00	66 < M
31-01-2023 00:00	66 < M
Average	66
Geom.Mean	66
Maximum	66
Median	66
Minimum	65.2
Mode	66
Std.Deviation	0.2

From Date 01-02-2023 00:00
To Date 28-02-2023 23:59
Interval Daily
Function Average

Plant BSSK
Analyzer STACK1
Parameter PM
Unit mg/Nm3
Limit 0.00 - 150.00

01-02-2023 00:00	75 < M
02-02-2023 00:00	75 < M
03-02-2023 00:00	75 < M
04-02-2023 00:00	75 < M
05-02-2023 00:00	75 < M
06-02-2023 00:00	75 < M
07-02-2023 00:00	75 < M
08-02-2023 00:00	75 <
09-02-2023 00:00	75 <
10-02-2023 00:00	75 < M
11-02-2023 00:00	75 < M
12-02-2023 00:00	75 < M
13-02-2023 00:00	75 < M
14-02-2023 00:00	75 < M
15-02-2023 00:00	75 < M
16-02-2023 00:00	75 < M
17-02-2023 00:00	75 < M
18-02-2023 00:00	75 < M
19-02-2023 00:00	75 <
20-02-2023 00:00	75 < M
21-02-2023 00:00	75 < M
22-02-2023 00:00	75 < M
23-02-2023 00:00	75 < M
24-02-2023 00:00	75 < M
25-02-2023 00:00	75 < M
26-02-2023 00:00	75 < M
27-02-2023 00:00	75 < M
28-02-2023 00:00	75 < M
Average	75
Geom.Mean	75
Maximum	75
Median	75
Minimum	75
Mode	75
Std.Deviation	0
Total Active Duration	

From Date 01-02-2023 00:00
To Date 28-02-2023 23:59
Interval Daily
Function Average

Plant BSSK
Analyzer STACK2
Parameter PM
Unit mg/Nm3
Limit 0.00 - 150.00

01-02-2023 00:00	66 < M
02-02-2023 00:00	66 < M
03-02-2023 00:00	66 < M
04-02-2023 00:00	66 < M
05-02-2023 00:00	66 < M
06-02-2023 00:00	66 < M
07-02-2023 00:00	66 < M
08-02-2023 00:00	66 < M
09-02-2023 00:00	66 < M
10-02-2023 00:00	66 < M
11-02-2023 00:00	66 < M
12-02-2023 00:00	66 < M
13-02-2023 00:00	66 < M
14-02-2023 00:00	66 < M
15-02-2023 00:00	66 < M
16-02-2023 00:00	66 < M
17-02-2023 00:00	66 < M
18-02-2023 00:00	66 < M
19-02-2023 00:00	66 < M
20-02-2023 00:00	66 < M
21-02-2023 00:00	66 < M
22-02-2023 00:00	66 < M
23-02-2023 00:00	66 < M
24-02-2023 00:00	66 < M
25-02-2023 00:00	66 < M
26-02-2023 00:00	66 < M
27-02-2023 00:00	66 < M
28-02-2023 00:00	66 < M
Average	66
Geom.Mean	66
Maximum	66
Median	66
Minimum	66
Mode	66
Std.Deviation	0
Total Active Duration	

From Date 01-03-2023 00:00
To Date 31-03-2023 23:59
Interval Daily
Function Average

Plant BSSK
Analyzer STACK1
Parameter PM
Unit mg/Nm3
Limit 0.00 - 150.00

01-03-2023 00:00	75 < M
02-03-2023 00:00	75 < M
03-03-2023 00:00	75 <
04-03-2023 00:00	75 < M
05-03-2023 00:00	75 <
06-03-2023 00:00	75 < M
07-03-2023 00:00	75 < M
08-03-2023 00:00	75 < M
09-03-2023 00:00	75 < M
10-03-2023 00:00	75 < M
11-03-2023 00:00	75 < M
12-03-2023 00:00	75 < M
13-03-2023 00:00	75 < M
14-03-2023 00:00	75 < M
15-03-2023 00:00	75 < M
16-03-2023 00:00	75 < M
17-03-2023 00:00	75 < M
18-03-2023 00:00	75 < M
19-03-2023 00:00	75 < M
20-03-2023 00:00	75 < M
21-03-2023 00:00	74.99 < M
22-03-2023 00:00	75 <
Average	75
Geom.Mean	75
Maximum	75
Median	75
Minimum	75
Mode	75
Std.Deviation	0
Total Active Duration	

EnviroConnect Forbes Marshall Multi Station Report

From Date 01-03-2023 00:00
To Date 31-03-2023 23:59
Interval Daily
Function Average

Plant BSSK
Analyzer STACK2
Parameter PM
Unit mg/Nm3
Limit 0.00 - 150.00

01-03-2023 00:00	66 < M
02-03-2023 00:00	66 < M
03-03-2023 00:00	66 < M
04-03-2023 00:00	65.91 < M
05-03-2023 00:00	66 < M
06-03-2023 00:00	66 < M
07-03-2023 00:00	66 < M
08-03-2023 00:00	66 < M
09-03-2023 00:00	66 < M
10-03-2023 00:00	66 < M
11-03-2023 00:00	66 < M
12-03-2023 00:00	66 < M
13-03-2023 00:00	66 < M
14-03-2023 00:00	66 < M
15-03-2023 00:00	66 < M
16-03-2023 00:00	66 < M
17-03-2023 00:00	66 < M
18-03-2023 00:00	66 < M
19-03-2023 00:00	66 < M
20-03-2023 00:00	66 < M
21-03-2023 00:00	66 < M
22-03-2023 00:00	66 < M
23-03-2023 00:00	66 < M
24-03-2023 00:00	66 < M
Average	66
Geom.Mean	66
Maximum	66
Median	66
Minimum	65.9
Mode	66
Std.Deviation	0
Total Active Duration	



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/68-381/22-23
		Report Date	02/12/2022
		Inward No	AL/7-764/03/22-23
		Inward Date	24/11/2022
Sample Location	East Side- Mr. Ramesh Gaikwad	Sampling Time	12:15 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.9	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	37	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	10.41	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	15.65	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	57.84	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	18.56	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	17.78	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	01.09	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Verified by
(Analyst)

Authorized Signatory

...End of test report...



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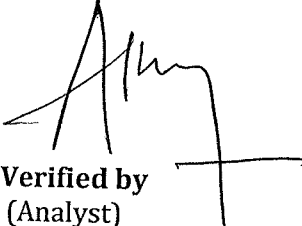
- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
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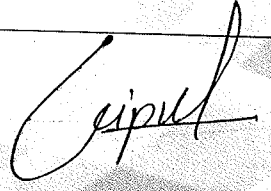
ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/68-382/22-23
		Report Date	02/12/2022
		Inward No	AL/7-764/04/22-23
		Inward Date	24/11/2022
Sample Location	West side- Shri. Nivruthi Dhobale House	Sampling Time	11:40 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.4	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	42	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	12.41	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	09.89	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	58.47	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	18.02	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	18.21	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	00.93	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampeling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified


Verified by
(Analyst)


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पत्र आंक सं. 210/22
दिनांक - १६/१२/२०२२
सही

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/68-379/22-23
		Report Date	02/12/2022
		Inward No	AL/7-764/01/22-23
		Inward Date	24/11/2022
Sample Location	South side - Shri Pandurang Walase House	Sampling Time	11:30 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.4	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	42	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	12.41	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	10.20	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	51.78	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	19.04	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	18.10	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	01.12	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

REMARK,OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Verified by
(Analyst)

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...End of test report...



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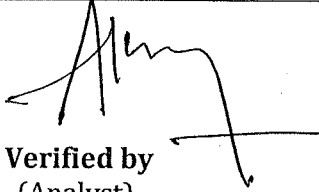
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- ISO 9001 : 2015 Certified Organization
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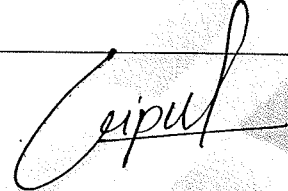
ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/68-380/22-23
		Report Date	02/12/2022
		Inward No	AL/7-764/02/22-23
		Inward Date	24/11/2022
Sample Location	North Side-Yogesh Pingale	Sampling Time	12:00 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.8	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	38	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	10.37	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	11.45	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	50.14	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	19.10	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	17.47	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	00.91	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampling,3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

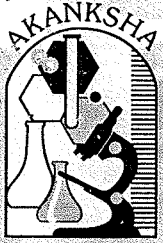
REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified


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(Analyst)


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...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/68-383/22-23
		Report Date	02/12/2022
		Inward No	AL/7-764/05/22-23
		Inward Date	24/11/2022
Sample Location	Main Gate (Company Premises)	Sampling Time	11:50 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.6	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	40	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	18.91	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	17.02	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	64.56	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	24.12	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	18.26	< 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	01.52	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampingel,3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

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...End of test report...

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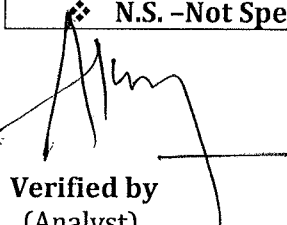
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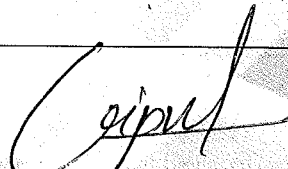
ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/69-217/22-23
		Report Date	03/01/2023
		Inward No	AL/7-822/02/22-23
		Inward Date	26/12/2022
Sample Location	South East-Shri. Vishvnath Nahre House	Sampling Time	11:45 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.5	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	48	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	12.52	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	14.91	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	50.12	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	16.78	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	17.85	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	01.19	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified


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(Analyst)


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...End of test report...



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पत्र आवक नं. 3992
दिनांक - १८/०१/२०२३
सही

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/69-216/22-23
		Report Date	03/01/2023
		Inward No	AL/7-822/01/22-23
		Inward Date	26/12/2022
Sample Location	South West -Shri. Popat Lole House	Sampling Time	11:30 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.3	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	49	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	11.98	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	10.14	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	45.63	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	17.45	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	17.56	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	01.10	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampling,3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

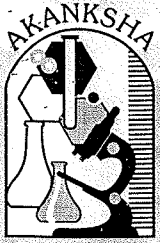
REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Verified by
(Analyst)

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...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/69-218/22-23
		Report Date	03/01/2023
		Inward No	AL/7-822/03/22-23
		Inward Date	26/12/2022
Sample Location	North west - Taniskha Mangal Karyalaya	Sampling Time	12:15 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.8	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	46	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	15.87	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	18.49	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	59.84	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	19.02	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	17.41	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	01.26	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Samping,3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

REMARK,OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

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...End of test report...



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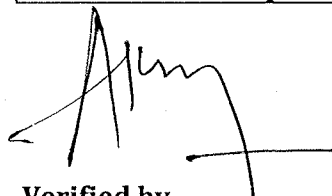
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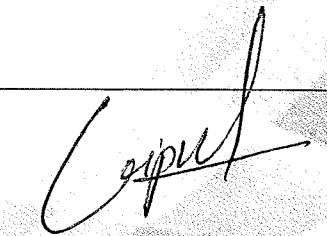
ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/69-219/22-23
		Report Date	03/01/2023
		Inward No	AL/7-822/04/22-23
		Inward Date	26/12/2022
Sample Location	North East -Shri. Santosh Dhobale House	Sampling Time	12:30 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.8	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	46	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	11.85	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	13.67	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	46.58	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	16.74	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	17.81	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	01.12	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified


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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/69-220/22-23
		Report Date	03/01/2023
		Inward No	AL/7-822/05/22-23
		Inward Date	26/12/2022
Sample Location	Kata Gate (Company Premises)	Sampling Time	11:50 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.6	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	48	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	23.21	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	25.96	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	70.12	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	26.54	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	17.21	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	02.74	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

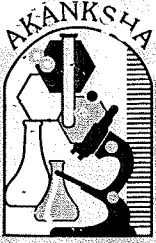
REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Verified by
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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/69-832/22-23
		Report Date	07/02/2023
		Inward No	AL/7-882/04/22-23
		Inward Date	30/01/2023
Sample Location	East side -Shri. Raju Seth Dhobale House	Sampling Time	11:24 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.6	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	47	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	11.94	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	12.78	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	42.89	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	16.91	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	17.87	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	01.16	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampeling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

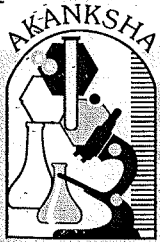
REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

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(Analyst)

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...End of test report...



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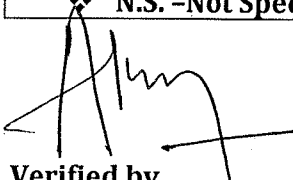
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- ISO 9001 : 2015 Certified Organization
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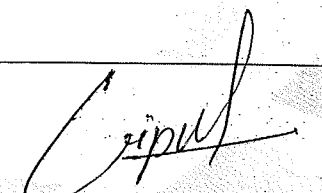
ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/69-830/22-23
		Report Date	07/02/2023
		Inward No	AL/7-882/02/22-23
		Inward Date	30/01/2023
Sample Location	West Side -Shri. Vikram walase House	Sampling Time	10:45 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.2	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	50	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	11.45	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	10.14	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	47.52	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	18.23	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	17.98	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	01.16	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampeling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified


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(Analyst)


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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/69-831/22-23
		Report Date	07/02/2023
		Inward No	AL/7-882/03/22-23
		Inward Date	30/01/2023
Sample Location	North side- Shri. Namdev Dhobale House	Sampling Time	02:00 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.2	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	42	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	11.96	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	09.87	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	54.23	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	18.02	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	18.19	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	00.97	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

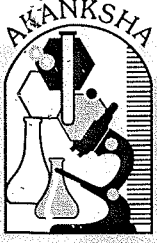
REMARK,OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Verified by
(Analyst)

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पत्र आवक नं. 3890
दिनांक - 22/02/2023
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सही

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/69-829/22-23
		Report Date	07/02/2023
		Inward No	AL/7-882/01/22-23
		Inward Date	30/01/2023
Sample Location	South Side-Shri. Popat Lole House	Sampling Time	11:00 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.4	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	49	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	12.41	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	10.25	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	42.14	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	16.55	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	17.41	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-7):2004
9.	Carbon Monoxide (CO)	mg/m ³	01.12	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampling,3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

REMARK, OPINION & INTERPRITATION-

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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

[Signature]
Verified by
(Analyst)

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/69-833/22-23
		Report Date	07/02/2023
		Inward No	AL/7-882/05/22-23
		Inward Date	30/01/2023
Sample Location	Main Gate (Company Premises)	Sampling Time	11:46 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.8	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	46	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	19.12	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	17.01	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	63.10	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	24.23	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	18.32	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	01.47	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Samping,3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Verified by
(Analyst)

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/70-272/22-23
		Report Date	04/03/2023
		Inward No	AL/7-932/02/22-23
		Inward Date	24/02/2023
Sample Location	South East-Shri. Raghunath Dhobale House	Sampling Time	11:40 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.9	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	43	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	11.35	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	10.21	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	46.12	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	18.34	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	17.85	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	01.11	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampeling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

REMARK, OPINION & INTERPRITATION-

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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

PP. *Pradham*

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(Analyst)

Pradham
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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/70-271/22-23
		Report Date	04/03/2023
		Inward No	AL/7-932/01/22-23
		Inward Date	24/02/2023
Sample Location	South West -Shri. Rohidas Dhobale House	Sampling Time	12:05 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.2	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	40	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	11.98	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	10.31	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	43.02	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	16.67	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	17.49	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	01.21	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406	Report No	AL/TR/70-274/22-23	
	Report Date	04/03/2023	
	Inward No	AL/7-932/04/22-23	
	Inward Date	24/02/2023	
Sample Location	North East -Shri. Pravin Sable House	Sampling Time	10:50 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.8	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	45	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	11.02	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	12.65	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	40.78	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	16.96	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	17.81	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	01.17	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampeling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

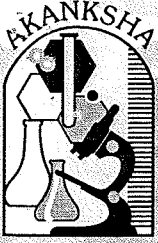
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(Analyst)

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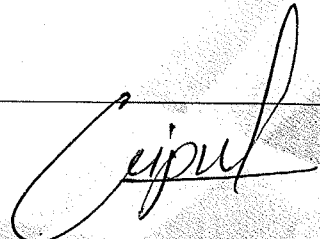
ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/70-273/22-23
		Report Date	04/03/2023
		Inward No	AL/7-932/03/22-23
		Inward Date	24/02/2023
Sample Location	North west - Shri. Suresh Giri House	Sampling Time	10:30 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.7	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	46	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	10.98	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	09.92	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	52.14	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	18.12	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	18.10	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	00.91	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Samping,3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

REMARK,OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

PP. 
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(Analyst)


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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/70-275/22-23
		Report Date	04/03/2023
		Inward No	AL/7-932/05/22-23
		Inward Date	24/02/2023
Sample Location	Karkhana Premises- Senior College	Sampling Time	12:16 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.2	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	40	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	16.48	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	17.12	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	60.21	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	23.69	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O ₃)	µg/m ³	18.27	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m ³	01.38	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	IS:3025 (PART-54) 2003

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

PP. *Dradsm*
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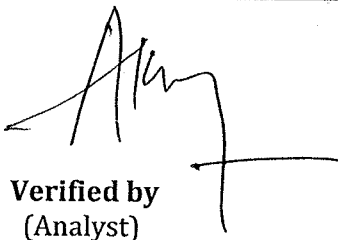
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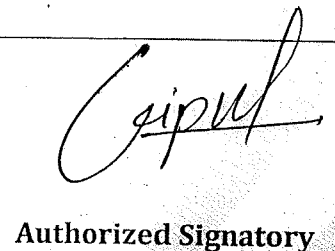
SOURCE EMISSION MONITORING REPORT		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/68-385/22-23
		Report Date	02/12/2022
		Inward No	AL/7-764/07/22-23
		Inward Date	24/11/2022
Sample Location	Old Boiler (37 T/hr)	Sampling Time	01:00 PM
Sample Collected By	AARL	Time duration	30 Min

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	60.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	04.00	N.S.	--
6.	Stack area	m ²	12.56	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	119.0	N.S.	IS 11255 (PART 3):2008
8.	Differential Pressure	mmwg	04.29	N.S.	IS 11255 (PART 3):2008
9.	Velocity	m/s	07.78	N.S.	IS 11255 (PART 3):2008
10.	Gas volume	Nm ³ /hr.	267653.69	N.S.	IS 11255 (PART 3):2008
11.	Particulate Matter	mg/Nm ³	110.5	≤ 150	IS 11255 (PART 1):1985
12.	Sulphur Dioxide	kg/day	89.52	≤2880	IS 11255 (PART 2):1985
13.	Oxide of Nitrogen	mg/Nm ³	121.04	N.S.	IS 11255 (PART 7):2005
14.	Carbon Monoxide	ppm	2411.10	N.S.	IS 13270 :1992

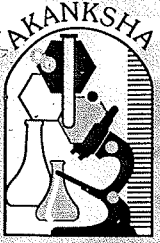
REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified


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(Analyst)


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SOURCE EMISSION MONITORING REPORT		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/68-386/22-23
		Report Date	02/12/2022
		Inward No	AL/7-764/08/22-23
		Inward Date	24/11/2022
Sample Location	New Boiler (80T/hr)	Sampling Time	02:00 PM
Sample Collected By	AARL	Time duration	30 Min

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	72.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	03.54	N.S.	--
6.	Stack area	m ²	09.83	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	132.0	N.S.	IS 11255 (PART 3):2008
8.	Differential Pressure	mmwg	03.66	N.S.	IS 11255 (PART 3):2008
9.	Velocity	m/s	07.31	N.S.	IS 11255 (PART 3):2008
10.	Gas volume	Nm ³ /hr.	190496.58	N.S.	IS 11255 (PART 3):2008
11.	Particulate Matter	mg/Nm ³	128.7	≤ 150	IS 11255 (PART 1):1985
12.	Sulphur Dioxide	kg/day	1378.22	≤3120	IS 11255 (PART 2): 1985
13.	Oxide of Nitrogen	mg/Nm ³	264.2	N.S.	IS 11255 (PART 7):2005
14.	Carbon Monoxide	ppm	2585.5	N.S.	IS 13270 :1992

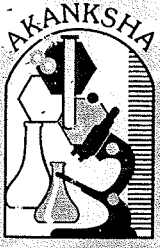
REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

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SOURCE EMISSION MONITORING REPORT			Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/69-222/22-23	
		Report Date	03/01/2023	
		Inward No	AL/7-822/07/22-23	
		Inward Date	26/12/2022	
Sample Location	Old Boiler (37 T/hr)	Sampling Time	01:00 PM	
Sample Collected By	AARL	Time duration	30 Min	

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	60.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	04.00	N.S.	--
6.	Stack area	m ²	12.56	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	° C	117.0	N.S.	IS 11255 (PART 3):2008
8.	Differential Pressure	mmwg	04.21	N.S.	IS 11255 (PART 3):2008
9.	Velocity	m/s	07.69	N.S.	IS 11255 (PART 3):2008
10.	Gas volume	Nm ³ /hr.	265825.3	N.S.	IS 11255 (PART 3):2008
11.	Particulate Matter	mg/Nm ³	108.9	≤ 150	IS 11255 (PART 1):1985
12.	Sulphur Dioxide	kg/day	88.96	≤2880	IS 11255 (PART 2):1985
13.	Oxide of Nitrogen	mg/Nm ³	118.79	N.S.	IS 11255 (PART 7):2005
14.	Carbon Monoxide	ppm	2423.36	N.S.	IS 13270 :1992

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

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SOURCE EMISSION MONITORING REPORT		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/69-223/22-23
		Report Date	03/01/2023
		Inward No	AL/7-822/08/22-23
		Inward Date	26/12/2022
Sample Location	New Boiler (80T/hr)	Sampling Time	02:00 PM
Sample Collected By	AARL	Time duration	30 Min

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	72.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	03.54	N.S.	--
6.	Stack area	m ²	09.83	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	139.0	N.S.	IS 11255 (PART 3):2008
8.	Differential Pressure	mmwg	03.58	N.S.	IS 11255 (PART 3):2008
9.	Velocity	m/s	07.29	N.S.	IS 11255 (PART 3):2008
10.	Gas volume	Nm ³ /hr.	186795.7	N.S.	IS 11255 (PART 3):2008
11.	Particulate Matter	mg/Nm ³	124.1	≤ 150	IS 11255 (PART 1):1985
12.	Sulphur Dioxide	kg/day	1371.2	≤3120	IS 11255 (PART 2): 1985
13.	Oxide of Nitrogen	mg/Nm ³	261.3	N.S.	IS 11255 (PART 7):2005
14.	Carbon Monoxide	ppm	254.12	N.S.	IS 13270 :1992

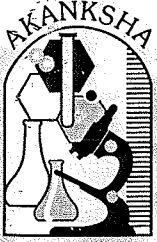
REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

Verified by
(Analyst)

Authorized Signatory

...End of test report...



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SOURCE EMISSION MONITORING REPORT			Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/69-835/22-23	
		Report Date	07/02/2023	
		Inward No	AL/7-882/07/22-23	
		Inward Date	30/01/2023	
Sample Location	Old Boiler (37 T/hr)	Sampling Time	01:00 PM	
Sample Collected By	AARL	Time duration	30 Min	

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	60.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	04.00	N.S.	--
6.	Stack area	m ²	12.56	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	121.0	N.S.	IS 11255 (PART 3):2008
8.	Differential Pressure	mmwg	04.17	N.S.	IS 11255 (PART 3):2008
9.	Velocity	m/s	07.69	N.S.	IS 11255 (PART 3):2008
10.	Gas volume	Nm ³ /hr.	263213.12	N.S.	IS 11255 (PART 3):2008
11.	Particulate Matter	mg/Nm ³	106.8	≤ 150	IS 11255 (PART 1):1985
12.	Sulphur Dioxide	kg/day	89.74	≤2880	IS 11255 (PART 2):1985
13.	Oxide of Nitrogen	mg/Nm ³	116.32	N.S.	IS 11255 (PART 7):2005
14.	Carbon Monoxide	ppm	2412.3	N.S.	IS 13270 :1992

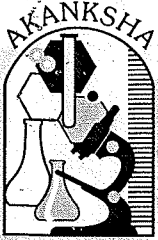
REMARK, OPINION & INTERPRITATION-

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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

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SOURCE EMISSION MONITORING REPORT		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/69-836/22-23
		Report Date	07/02/2023
		Inward No	AL/7-882/08/22-23
		Inward Date	30/01/2023
Sample Location	New Boiler (80T/hr)	Sampling Time	02:00 PM
Sample Collected By	AARL	Time duration	30 Min

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	72.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	03.54	N.S.	--
6.	Stack area	m ²	09.83	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	142.0	N.S.	IS 11255 (PART 3):2008
8.	Differential Pressure	mmwg	03.51	N.S.	IS 11255 (PART 3):2008
9.	Velocity	m/s	07.24	N.S.	IS 11255 (PART 3):2008
10.	Gas volume	Nm ³ /hr.	184290.8	N.S.	IS 11255 (PART 3):2008
11.	Particulate Matter	mg/Nm ³	122.14	≤ 150	IS 11255 (PART 1):1985
12.	Sulphur Dioxide	kg/day	1365.2	≤3120	IS 11255 (PART 2): 1985
13.	Oxide of Nitrogen	mg/Nm ³	258.7	N.S.	IS 11255 (PART 7):2005
14.	Carbon Monoxide	ppm	251.45	N.S.	IS 13270 :1992

REMARK, OPINION & INTERPRITATION-

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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

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SOURCE EMISSION MONITORING REPORT		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/70-277/22-23
		Report Date	04/03/2023
		Inward No	AL/7-932/07/22-23
		Inward Date	24/02/2023
Sample Location	Old Boiler (37 T/hr)	Sampling Time	01:00 PM
Sample Collected By	AARL	Time duration	30 Min

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	60.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	04.00	N.S.	--
6.	Stack area	m ²	12.56	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	127.0	N.S.	IS 11255 (PART 3):2008
8.	Differential Pressure	mmwg	04.11	N.S.	IS 11255 (PART 3):2008
9.	Velocity	m/s	07.69	N.S.	IS 11255 (PART 3):2008
10.	Gas volume	Nm ³ /hr.	259345.39	N.S.	IS 11255 (PART 3):2008
11.	Particulate Matter	mg/Nm ³	104.8	≤ 150	IS 11255 (PART 1):1985
12.	Sulphur Dioxide	kg/day	87.45	≤ 2880	IS 11255 (PART 2):1985
13.	Oxide of Nitrogen	mg/Nm ³	114.6	N.S.	IS 11255 (PART 7):2005
14.	Carbon Monoxide	ppm	2398.2	N.S.	IS 13270 :1992

REMARK, OPINION & INTERPRITATION-

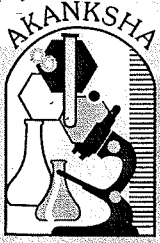
- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

P.P. *(Signature)*
Verified by
(Analyst)

(Signature)
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SOURCE EMISSION MONITORING REPORT		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/70-278/22-23
		Report Date	04/03/2023
		Inward No	AL/7-932/08/22-23
		Inward Date	24/02/2023
Sample Location	New Boiler (80T/hr)	Sampling Time	02:00 PM
Sample Collected By	AARL	Time duration	30 Min

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	72.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	03.54	N.S.	--
6.	Stack area	m ²	09.83	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	° C	138.0	N.S.	IS 11255 (PART 3):2008
8.	Differential Pressure	mmwg	03.48	N.S.	IS 11255 (PART 3):2008
9.	Velocity	m/s	07.18	N.S.	IS 11255 (PART 3):2008
10.	Gas volume	Nm ³ /hr.	184392.34	N.S.	IS 11255 (PART 3):2008
11.	Particulate Matter	mg/Nm ³	120.4	≤ 150	IS 11255 (PART 1):1985
12.	Sulphur Dioxide	kg/day	1348.5	≤3120	IS 11255 (PART 2): 1985
13.	Oxide of Nitrogen	mg/Nm ³	255.6	N.S.	IS 11255 (PART 7):2005
14.	Carbon Monoxide	ppm	243.65	N.S.	IS 13270 :1992

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

PP. *Pradham*

Verified by
(Analyst)

Authorized Signatory

...End of test report...



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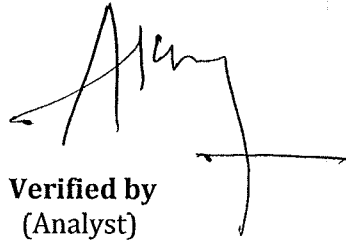
- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
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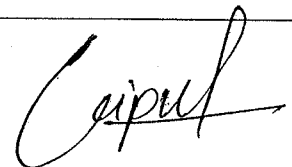
AMBIENT & WORK ZONE NOISE LEVEL MONITORING REPORT		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/68-387/22-23
		Report Date	02/12/2022
		Inward No	AL/7-764/09/22-23
		Inward Date	24/11/2022
Sample Location	Company Premises	Sampling Time	03:00 PM To 03:30 PM
Sample Collected By	AARL	Time duration	30 Min

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A. Outside of Shop					
1.	Near Guest House	dB(A)	61.5	≤ 75 dB(A)	IS 4758-1968 (PART 10) RA 2002
2.	Near Kandoba Temple	dB(A)	58.3		
3.	Near switch yard	dB(A)	60.4		
B. Inside of Shop					
4.	Mill House	dB(A)	70.1	≤ 90 dB(A)	IS 9989-1981 (RA 2001)
5.	Boiling House	dB(A)	72.3		
6.	Boiler House	dB(A)	71.2		

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent The Factories Act 1948, standards.


Verified by
(Analyst)


Authorized Signatory

...End of test report...



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AMBIENT & WORK ZONE NOISE LEVEL MONITORING REPORT		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/69-224/22-23
		Report Date	03/01/2023
		Inward No	AL/7-822/09/22-23
		Inward Date	26/12/2022
Sample Location	Company Premises	Sampling Time	03:00 PM To 03:30 PM
Sample Collected By	AARL	Time duration	30 Min

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A. Outside of Shop					
1.	Near Petrol Pump	dB(A)	70.4	≤ 75 dB(A)	IS 4758-1968 (PART 10) RA 2002
2.	Near Chichgai Road	dB(A)	69.2		
3.	Near Sakhar Shala	dB(A)	71.3		
B. Inside of Shop					
4.	Near Sugar House	dB(A)	71.5	≤ 90 dB(A)	IS 9989-1981 (RA 2001)
5.	Near Workshop	dB(A)	70.2		
6.	Near Boiler House	dB(A)	71.3		

REMARK, OPINION & INTERPRITATION-

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Verified by
(Analyst)

Authorized Signatory

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AMBIENT & WORK ZONE NOISE LEVEL MONITORING REPORT		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/69-837/22-23
		Report Date	07/02/2023
		Inward No	AL/7-882/09/22-23
		Inward Date	30/01/2023
Sample Location	Company Premises	Sampling Time	03:00 PM To 03:30 PM
Sample Collected By	AARL	Time duration	30 Min

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A. Outside of Shop					
1.	Near Petrol Pump	dB(A)	72.3	≤ 75 dB(A)	IS 4758-1968 (PART 10) RA 2002
2.	Near Karkhana Colony	dB(A)	60.1		
3.	Near Guest House	dB(A)	65.3		
B. Inside of Shop					
4.	Near Sugar House	dB(A)	77.8	≤ 90 dB(A)	IS 9989-1981 (RA 2001)
5.	Near Mill	dB(A)	76.1		
6.	Near Boiler (New)	dB(A)	76.4		

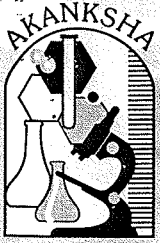
REMARK, OPINION & INTERPRITATION-

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Verified by
(Analyst)

Authorized Signatory

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AMBIENT & WORK ZONE NOISE LEVEL MONITORING REPORT		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/70-279/22-23
		Report Date	04/03/2023
		Inward No	AL/7-932/09/22-23
		Inward Date	24/02/2023
Sample Location	Company Premises	Sampling Time	03:00 PM To 03:30 PM
Sample Collected By	AARL	Time duration	30 Min

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A. Outside of Shop					
1.	Near Petrol Pump	dB(A)	65.7	≤ 75 dB(A)	IS 4758-1968 (PART 10) RA 2002
2.	Near Switch Yard	dB(A)	73.6		
3.	Near English Medium School	dB(A)	61.2		
B. Inside of Shop					
4.	Near Turbine	dB(A)	84.2	≤ 90 dB(A)	IS 9989-1981 (RA 2001)
5.	Near Boiling House	dB(A)	86.9		
6.	Near Work Shop	dB(A)	85.6		

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent The Factories Act 1948, standards.

P.P. *Gadlam*

Verified by
(Analyst)

C. Raju

Authorized Signatory

...End of test report...

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सन २०२२-२३ मध्ये खोडवा व्यवस्थान व पाचट आच्छादन महत्व चर्चासत्र, मेळावे तपशिल.

दिनांक	कार्यक्रमाचे ठिकाण	मार्गदर्शक	शेतकरी संख्या
१६/१२/२०२२	कृषी विज्ञान केंद्र, नारायणगाव	कृषी विभागातील अधिकारी, व्ही.एस.आय., पुणे यांचे शास्त्रज्ञ व ऊस विकास अधिकारी	१५०
२३/१२/२०२२	शििंगवे	मंडळ कृषी अधिकारी, ऊस विकास अधिकारी, मुख्य शेतकी अधिकारी, आय.टी.सी.मिशन चे उत्तम जाधव	५०
२२/०१/२०२३	देवगाव	महाराष्ट्र राज्य कृषी विभाग, आंबेगाव व कारखाना यांचे संयुक्तविद्यमाने खोडवा ऊस/ पाचट व्यवस्थापन परिषंवाद मार्गदर्शक- डॉ.भरत रासकर सो. (ऊस विशेषतज्ञ) पाडेगाव	१००
करखाना स्तरावर खोडवा व्यवस्थापन व पाचट आच्छादन महत्व चर्चासत्र, मेळावे तपशिल – प्रथम टप्पा			
२९/०१/२०२३	वळसेमळा (निरगुडसर)	मुख्य शेतकी अधिकारी, ऊस विकास अधिकारी	२५
३०/०१/२०२३	जारकरवाडी	ऊस विकास अधिकारी (प्र.उ.मा.संचालक श्री.रामचंद्र ढोबळे सो.)	३५
३१/०१/२०२३	पिंपरखेड	ऊस विकास अधिकारी (प्र.उ.श्री.दामुशेठ दाभाडे, श्री.रामदास दरेकर, अरुण ढोमे, शिवाजी बोंबे)	७०
०१/०२/२०२३	वळती	ऊस विकास अधिकारी (प्र.उ. श्री.शिवाजीराव लोंढे सो., श्री.वामन वाळुंज, गणपत आजाब, धोंडीभाऊ भोर)	३८
०४/०२/२०२३	पारगाव मंगरूळ	ऊस विकास अधिकारी (प्र.उ. श्री. शिवाजीराव चव्हाण श्री.संभाजी चव्हाण, देवराम डुकरे,)	४५
०५/०२/२०२३	करंदी	ऊस विकास अधिकारी (प्र.उ. शंकरदादा जंभळकर, सौ.ढोकलेताई, सरपंच,)	९०
०६/०२/२०२३	महाळूगे पडवळ	ऊस विकास अधिकारी (प्र.उ.मा.संचालक श्री.अरुण चासकर सो., अन्नासो.पडवळ, किसनराव सैद सो., दिपक चासकर सो.)	१२५
०७/०२/२०२३	चास	ऊस विकास अधिकारी (प्र.उ.संचालक श्री.बाजीराव बारवे व संचालक श्री.सिताराम लोहट व सचिनभाऊ भोर सो.)	२८
०८/०२/२०२३	अवसरी खु.	ऊस विकास अधिकारी	६५ १२२५०/-
करखाना स्तरावर खोडवा व्यवस्थापन व पाचट आच्छादन महत्व चर्चासत्र, मेळावे तपशिल – द्वितीय टप्पा			
१७/०२/२०२३	सविंदणे	मुख्य शेतकी अधिकारी, ऊस विकास अधिकारी, (प्र.उ.श्री.बाळासाहेब भोर, श्री.निलेश पडवळ)	४५
२१/०२/२०२३	जातेगाव	ऊस विकास अधिकारी, (प्र.उ.श्री.प्रकाश बापू पवार, श्री.सुभाष अण्णा उमाप, मच्छिंद्र मासळकर)	५०
२२/०२/२०२३	खोडद	ऊस विकास अधिकारी, (प्र.उ.श्री.संतोष काळे, श्री.बाळासाहेब शिंदे, बाळासाहेब सहादू गायकवाड)	३८
२४/०२/२०२३	हिवरे तर्फे नारायणगाव	ऊस विकास अधिकारी, (प्र.उ.संचालिका सौ.पुष्पाताई जाधव, विलास भोर,)	३०
२६/०२/२०२३	माळवाडी	ऊस विकास अधिकारी, (प्र.उ.श्री.सोपानराव भाकरे सो., जयवंत भाकरे, श्री.प्रकाश भाकरे, भाऊ गावडे)	२८
२८/०२/२०२३	लाखनगाव	ऊस विकास अधिकारी, (प्र.उ.श्री.शिरीषकुमार रोडे, सतिश रोडे, श्री.लहू पडवळ)	३५
०१.०३.२०२३	चांडोह	ऊस विकास अधिकारी, (प्र.उ. श्री.संपतराव पानमंद, श्री.मारुती वडणे)	४० ८४२५/-

सन २०२२-२३ मध्ये झालेले चर्चासत्र, मेळावे तपशिल.(व्ही.एस.आय.,पुणे येथील)

दिनांक	प्रतीनिधी नाव	विषय	संख्या
३ ते ६ ऑगस्ट २०२२	व्ही.एस.आय. ज्ञानयाग प्रशिक्षण कार्यक्रम (एकुण २४ शेतक-यांनी सहभाग घेतला)		२४
२७.०८.२०२२	कुरकुटेडी.जे.,आदक .आर.,दिक्षित एस.व्ही.,कोतवाल ए.बी.	हवामान बदलानुसार जमिनीचे आरोग्य व सुपीकता राखणे	४
०५.०९.२०२२	कर्मचारी प्रशिक्षण कार्यक्रम – एकुण ८० कर्मचा-यांचा सहभाग (नेटाफिम इरिगेशन मार्फत)	एकरी ऊस उत्पादनवाढीचे आधुनिक तंत्रज्ञान आणि टिबक सिंचनाद्वारे पाणी व अन्नद्रव्य व्यवस्थापन	अरुण देशमुख –कृषी विद्या प्रमुख व ऊस विकास तज्ञ
०९.१०.२०२२	आदक .आर.,आगळे ए.बी.,कोतवाल ए.बी.,देवडे व्ही.एन.	ऊस बेणे गुणन व उत्पादन तंत्रज्ञान	४
२० ते २३ डिसेंबर २०२२	ज्ञानलक्ष्मी प्रशिक्षण कार्यक्रम – १० महिला		१०
१० ते १३ जानेवारी २०२३	ज्ञानयाग प्रशिक्षण कार्यक्रम – ३० पुरुष		३०
२५.०१.२०२३	कुरकुटे डी.जे., श्री.आदक डी.आर, दिक्षित एस.व्ही.,आगळे ए.बी.,श्री.देवडे व्ही.एन.	ऊस पिकाचे एकात्मिक रोग व किड व्यवस्थापन	५
२५.०३.२०२३	श्री. आदक डी. आर., श्री. कोतवाल ए. बी., श्री. दीक्षित एस. व्ही., श्री. देवडे व्ही.	ऊस लागवडीची प्रगती, खोडवा उस व्यवस्थापन आणि यांत्रिकीकरण	४
१८.०४.२०२३	जाधव सो. (व्ही.एस.आय.)	शिगवे येथील ट्रायल प्लॉट पाहणी	१

भीमाशंकर सहकारी साखर कारखाना लि,
दत्तात्रयनगर, पारगाव तर्फे अवसरी बु. ता. आंबेगाव, जि.पुणे.

सन २०२२-२३ मध्ये भाग विकास निधीमधून केलेल्या कामांचा तपशिल

अ.क्र.	दिनांक	नाव	तपशिल	रक्कम रु.
१	०२/०५/२०२२	अमोल पोपट भोर	मौजे.पेठ येथे टँकरने पिण्याचे पाणी पुरवठा	१६८००.००
२	११/०५/२०२२	मंगेश विठ्ठल शिरसागर	लोणी-साविंदने प्रवेशद्वार कलर काम व फ्लेक्स बिलाची रक्कम	४४५००.००
३	०५/०६/२०२२	ठकसेन रामभाऊ भोमाळे, चिखली	चिखली-इस्तेवाडी येथील राममंदिर दुस्तीसाठी	१०००००.००
४	०५/०६/२०२२	शामराव होनाजी बांबोरे, जांभोरी	जांभोरी वरसुबाई सभामंडप कामासाठी निधी	१०००००.००
५	०५/०६/२०२२	श्री डागोबा देवस्थान व इनाम ट्रस्ट, चिखली	चिखली येथील श्री डागोबा मंदिराचे बांधकामासाठी मदत	१०००००.००
६	१७/०६/२०२२	केलास बाळू चांगण	मौजे.लोणी येथे टँकरने पिण्याचे पाणी पुरवठा बिल	१६५००.००
७	१९/०६/२०२२	रयत शिक्षण संस्था, सातारा	सन २०२२ च्या शरद रयत पारीतोषीकाची रक्कम	५१०००.००
८	२०/०७/२०२२	काळूराम बबन चौधरी	मौजे.वडगाव पीर, मांदळेवाडी व पहाडदरा येथे टँकरने पिण्याचे पाणी पुरवठा	२८५००.००
९	२७/०७/२०२२	हुतात्मा बाबू गेनू प्रतिष्ठान,मुंबई	महा.पडवळ येथील बाबु गेनू सैद निवासस्थान देखभाल व स्वच्छता खर्च	२०००००.००
१०	३१/०७/२०२२	रंगनाथ शांताराम चौधरी	मौजे.पहाडदरा,पाबळ व कान्हूर मेसाई येथे टँकरने पिण्याचे पाणी पुरवठा	६२८९००.००
११	३१/०७/२०२२	साई वॉटर सप्लायर	मौजे.पाबळ व कान्हूर मेसाई येथे टँकरने पिण्याचे पाणी पुरवठा	४५६०००.००
१२	०५/०८/२०२२	रमेश विश्वनाथ वैद	जारकरवाडी येथे चारीचे पाईप वर मुरूम भरावा करणे	६३०००.००
१३	१४/०८/२०२२	संतोष बाळकृष्ण डोके	कारखाना इमारतीचे कलर काम करणे	५८४३.००
१४	१७/०९/२०२३	श्री संत ज्ञानेश्वर विद्यालय, चास	विज्ञान प्रदर्शन आर्थिक सहाय्य	१०००००.००
१५	२३/०९/२०२३	पारगाव ग्रामस्थ	पाण्याची टाकी	८३९०.००
१६	३१/०९/२०२३	मा. दुय्यम निबंधक कार्यालय, घोडेगाव	बैठक सोफा	१७७००.००
१७	०९/०२/२०२३	हुतात्मा बाबू गेनू प्रतिष्ठान,मुंबई	महा.पडवळ येथील बाबु गेनू सैद निवासस्थान देखभाल व स्वच्छता खर्च	२०००००.००
१८	०४/०२/२०२३	ग्रामोन्नती मंडळ नारायणगाव	कृषी प्रदर्शन - २०२३	१०००००.००
१९	२५/०२/२०२३	भीमाशंकर करंडक युवक, शेवाळवाडी	भीमाशंकर करंडक युवक महोत्सव -२०२३ करीता निधी	७९६०००.००
२०	१०/०३/२०२३	प्रमोद भगवान वाघ	पारगाव येथील पोलिस स्टेशनलगतचे रूम व टॉयलेट चे काम	१०६१८४०.००
२१	३१/०३/२०२३	साई वॉटर सप्लायर	मौजे.वडगाव पीर व पिंपळवाडी टँकरने पिण्याचे पाणी पुरवठा	१६०००.००
		एकूण		४११०९७३.००

Cane Development Activities

1) Supply of Foundation & Certified Seed:-

a) We supply foundation and certified cane seed of improved varieties like CO.86032, CO.M.0265, MS 10001, CO.VSI 08005 etc. as foundation seed brought from research institutes to selected progressive farmers on credit basis without any rate of interest. For foundation seed transportation cost of seed is beared by factory from research institutes up to factory site. For commercial plantation the whole seed supplied by factory is with seed cutting and transport facility.

b) Sugarcane seedlings – The factory supply healthy & good quality sugarcane seedlings to farmers. For this scheme we have made an agreement with private nurseries.

2) Training to Farmers: - We send farmers for Dnyanyag training programme to get latest techniques in sugarcane cultivation on 90% subsidy & Ladies farmers send to Dnyanlaxmi training programme on 100% subsidy at V.S.I. Pune.

3) Soil Testing Laboratory: - Due to imbalance use of chemical fertilizer and excess use of irrigation water soil is going to become compact and saline, which results in low sugarcane production and low recovery. To overcome this problem our factory has established well equipped Soil and Water testing laboratory.

We had decided to check all soil and water samples of cane growers to maintain soil fertility and productivity to achieve maximum yield per acre. Recommendation of chemical fertilizer including micronutrient dose is given to farmer by cane development staff & suggest to apply chemical fertilizers as per recommendations.

Season	Number of samples analyzed			
	Soil samples	Expenditure (Rs.)	Water samples	Expenditure (Rs.)
2010-11	955	3820000.00	0	0
2011-12	1120	336000.00	0	0
2012-13	0	0	0	0
2013-14	0	0	0	0
2014-15	985	147750.00	67	3350.00
2015-16	3415	512250.00	206	10300.00
2016-17	2608	391200.00	75	3750.00
2017-18	2400	360000.00	22	1100.00
2018-19	2600	390000.00	18	900.00
2019-20	1662	330000.00	15	750.00
2020-21	1607	241050.00	5	250.00
2022-23	2180	327000.00	9	450.00

4) Supply of green muring seed: - To maintain productivity and fertility of soil factory is providing green manuring seed like sunhemp on credit basis.

Planting Season	Sunhemp supply (Kg.)	Expenditure (Rs.)	No. of beneficiaries
2009-10	25,534	568557.00	299
2010-11	20,348	669887.00	240
2011-12	27,250	1014619.00	320
2012-13	26,645	1191000.00	324
2013-14	27,133	1061172.00	332
2014-15	24,817	893412.00	280
2015-16	23,900	1017200.00	263
2016-17	24,686	1227440.00	290
2017-18	27,169	1596420.00	314
2018-19	39,386	2481318.00	315
2019-20	39,710	2779700.00	371
2020-21	20,000	1200000.00	205
2022-23	20,520	1620000.00	199

5. **Drip irrigation scheme:** - Since planting season 2017-18 factory is implementing drip irrigation scheme to bring maximum area under drip irrigation in sugarcane crop. Under this scheme Karkhana has made agreement with 9 drip irrigation companies.

Factory is implementing following drip irrigation scheme to bring area under drip irrigation to sugarcane crop. Factory has made contract with 4 ISI mark drip companies and drip loan proposal made through Union Bank of India-Manchar Branch

1. Farmers request to install drip irrigation is taken & agreement made between farmer and factory on stamp paper of Rs.100/-
2. As per quotation the work order of drip installation is given to company.
3. By opening bank account of respective farmers and after completion of loan documents in the bank by considering Rs.60,000/- per acre drip cost, Rs.49000/- or if cost is below Rs.50,000/- the amount Rs.11,000/- keeping behind the above amount Rs.49000/- is paid to respective company within 30 days after arrival of completion report by inspection.
4. Rs.1,000/- is delivered to company after completion of subsidy proposal.
5. Drip set and cane grower insurance – Beneficiary farmer get insurance policy of Rs.1 Lac for one year and drip set is also insured for one year from installation date by respective drip company.
6. Remaining amount Rs.10,000/- per acre is delivered to company after one year of first payment.
7. Free acid treatment to drip set for three times.
8. No installation & transport charges.
9. Free agronomical advice & training etc.

**Seasonwise area under drip irrigation in sugarcane crop and
Cost incurred by sugar factory**

Planting Season	Area (ha.)	Expenditure(Rs.)
2009-10	26.80	368500.00
2010-11	9.28	127600.00
2011-12	133.15	3328750.00
2012-13	516.46	23016750.00
2013-14	359.59	17979500.00
2014-15	134.42	8401250.00
2015-16	92.68	5792500.00
2016-17	104.16	9114000.00
2017-18	259.40	31662534.00
2018-19	298.74	37006679.00
2019-20	545.50	74818937.00
2020-21	158.10	19762500.00
2021-22	33.58	5037000.00
2022-23	29.27	4390500.00

6) Supply of Bio-fertilizer: - Factory have erected full-fledged bio-fertilizer laboratory in sept. 2017 improve soil biological status and to reduce dose of chemical fertilizer. Acetobacter, Azo-Phospho and Decomposing culture etc. bio fertilizer are produced and supplied to cane growers on credit basis to improve biological property of soil & to increase cane yield by reducing dose of chemical fertilizer.

Season	Acetobacter (Lit.)	Expenditure (Rs.)	Azo Phospho (Lit.)	Expenditure (Rs.)	Decomposing culture (Lit.)	Expenditure (Rs.)	No. of beneficiaries
2017-18	2472	370800	4978	536700	504	75600	2987
2018-19	7880	1654800	13039	2738190	820	172200	7542
2019-20	8006	1681260	12265	2575650	880	184800	6328
2020-21	5247	1101870	8850	1858500	768	161280	4490
2021-22	2679	562590	4799	1007790	690	144900	2454
2022-23	3732	1677900	7713	720090	653	120960	3605

7) Supply of Bio-compost: - Well decomposed bio-compost is prepared by adding decomposing culture in press mud, mixture is rotated by aero trailer machine. After completion of cycle of 45 days bio-compost is ready to deliver to farmers. To increase the soil organic carbon & to improve soil fertility we supply Bio-compost to cane growers at concessional rate on credit basis.

Season	Bio-Compost Supply (M.T.)	Expenditure (Rs.)	No. of beneficiaries
2017-18	8198.98	5321529.00	498
2018-19	14510.310	9376763.00	362
2019-20	10549.500	7433150.00	470
2020-21	9894.900	6702394.00	409
2021-22	10195.710	7109547.00	414
2022-23	2888.720	2022104.00	96

8) Ratoon Management (Service providing scheme):-

a) Trash cutting facility - Factory has made available the facility of trash cutting to cane growers by making agreement with owners of trash cutting machine by fixing the rate RS.2300/- per acre. Due to this service area under trash mulching is increased and it will help to reduce the use of water by lowering the rotations and the organic manure produced from trash decomposition will improve the organic carbon and physical properties of soil.

b) Stubble shaving & Off barring facility – Factory has made contract with machinery owners off stubble shaving & off barring facility and they are proving service to farmers. This is helpful to germinate shoots from the ground to apply dose of chemical fertilizer.

Perticulars	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Trash cutting area through factory scheme	54.15	149.32	-	-	-	-
Expenditure (Rs.)	203063.00	858590.00	-	-	-	-
Stubble shaving area through factory scheme	83.53	-	115.59	30.75	27.20	219.55
Expenditure (Rs.)	417650.00	-	664643.00	184500.0	177385	1509106
Trash cutting area by farmers personally through factory scheme	214.20	275.93	300.98	169.55	-	-

9) **Supply of chemical fertilizer** :- Factory is supplying chemical fertilizer like 10:26:26, 18:46:0, muriate of potash etc. to cane growers on credit basis for plant and ratoon cane to apply first dose of chemical fertilizer through Ambegaon taluka sahakari kharedi vikri sangh and factory Krishi seva Kendra to increase cane yield per ha.

Chemical fertilizer	2017-18		2018-19	
	No. of bags supplied	Expenditure (Rs.)	No. of bags supplied	Expenditure (Rs.)
10:26:26	4658	4944190.00	9220	12263065.00
18:46:0	56	60228.00	268	352540.00
Murrate of potash	34	27728.00	675	641250.00
Urea	-	0.00	1238	433300.00
Single Super phosphate	-	0.00	509	178150.00

Chemical fertilizer	2019-20		2020-21	
	No. of bags supplied	Expenditure (Rs.)	No. of bags supplied	Expenditure (Rs.)
10:26:26	18793	22162675.00	23078	27116650
18:46:0	344	417700.00	646	775200
Murrate of potash	559	538400.00	468	407900
Urea	1165	309890.00	852	226632
Single Super phosphate	1046	366820.00	828	305960

Chemical fertilizer	2021-22		2022-23	
	No. of bags supplied	Expenditure (Rs.)	No. of bags supplied	Expenditure (Rs.)
10:26:26	10833	13272820.00	8309	12214230
18:46:0	859	912000.00	459	619650
Murrate of potash	345	313010.00	152	241900
Urea	1191	316806.00	790	217854
Single Super phosphate	1192	433675.00	790	461580

10) **Supply of multi micronutrient & multi macronutrient, Vasant urja & BVM** :- Factory is supplying multimicronutrient & multimacronutrient liquid fertilizer, Vasant urja – biostimulator & BVM – Bio pesticide & product of VSI to cane growers on credit basis for plant and ratoon cane to overcome yellowing of cane & to increase cane yield per hectare.

Season	Supply of Multimicroneutrient		Supply of Multimacroneutrient		Vasant urja		B.V.M.		Humicacid	
	Litres	Expenditure (Rs.)	Litres	Expenditure (Rs.)	Litres	Expenditure (Rs.)	Litres	Expenditure (Rs.)	Litres	Expenditure (Rs.)
2017-18	3690	523058.00	3690	523058.00	-	-	-	-	-	-
2018-19	3775	536050.00	3775	536050.00	833	174930.00	-	-	-	-
2019-20	4055	575810.00	4055	575810.00	3637	763770.00	3845	807450.00	2580	487620.00
2020-21	3865	909124.00	3865	909124.00	3274	687540.00	4875	1023750.00	3937	744093
2022-23	1635	292011.00	286	255398.00	2240	589120.00	1896	498648.00	1677	493500

11) **Supply of pesticide for seed treatment**: - To prevent disease infection and pest infestation factory is supplying imidacloprid and carbendazim for seed treatment on credit basis through Ambegaon taluka sahakari kharedi vikri sangh. Lescenta is supplied to cane growers to control white grub pest.

Season	Supply of Carbendazim		Supply of Imidacloprid		Supply of Lesenta	
	100 Gram	Expenditure (Rs.)	30 Gram	Expenditure (Rs.)	K.g.	Expenditure (Rs.)

	Packet		Packet			
2017-18	1057	74470.00	977	246150.00	-	-
2018-19	201	14070.00	105	28290.00	94	1034000.00
2019-20	-	-	-	-	-	-
2020-21	-	-	-	-	-	-
2022-23	-	-	-	-	-	-

12) Special Training to Staff: - All staff has given special training on "Development and Management of Sugarcane" at factory site by VSI scientists. At the end of training special examination were conducted. All staff achieved good score.

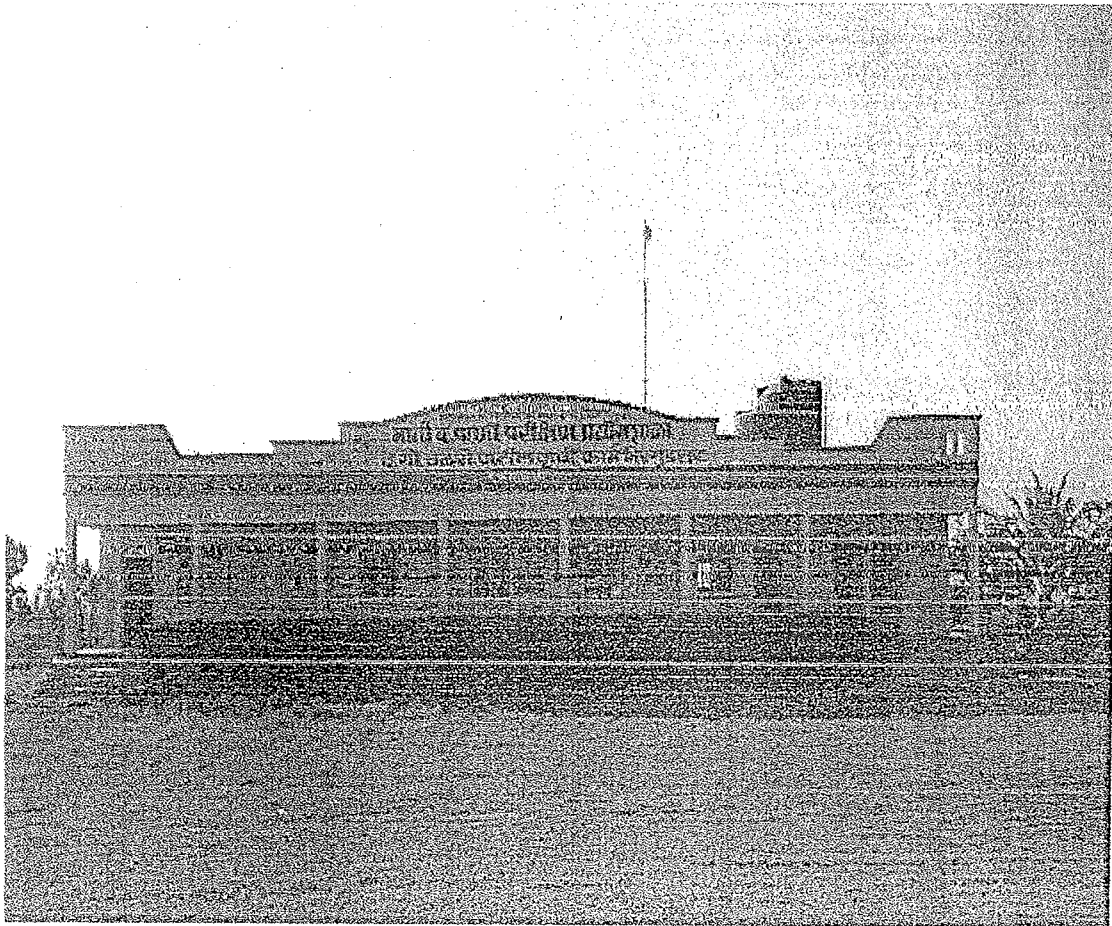
All the cane development staff has specific qualification as CDO M.Sc. (Agri) – Entomology, Asst.CDO- B.Sc. (Agri), Agri Overseers -B.Sc. (Agri), Agri Asst.- Diploma (Agri).

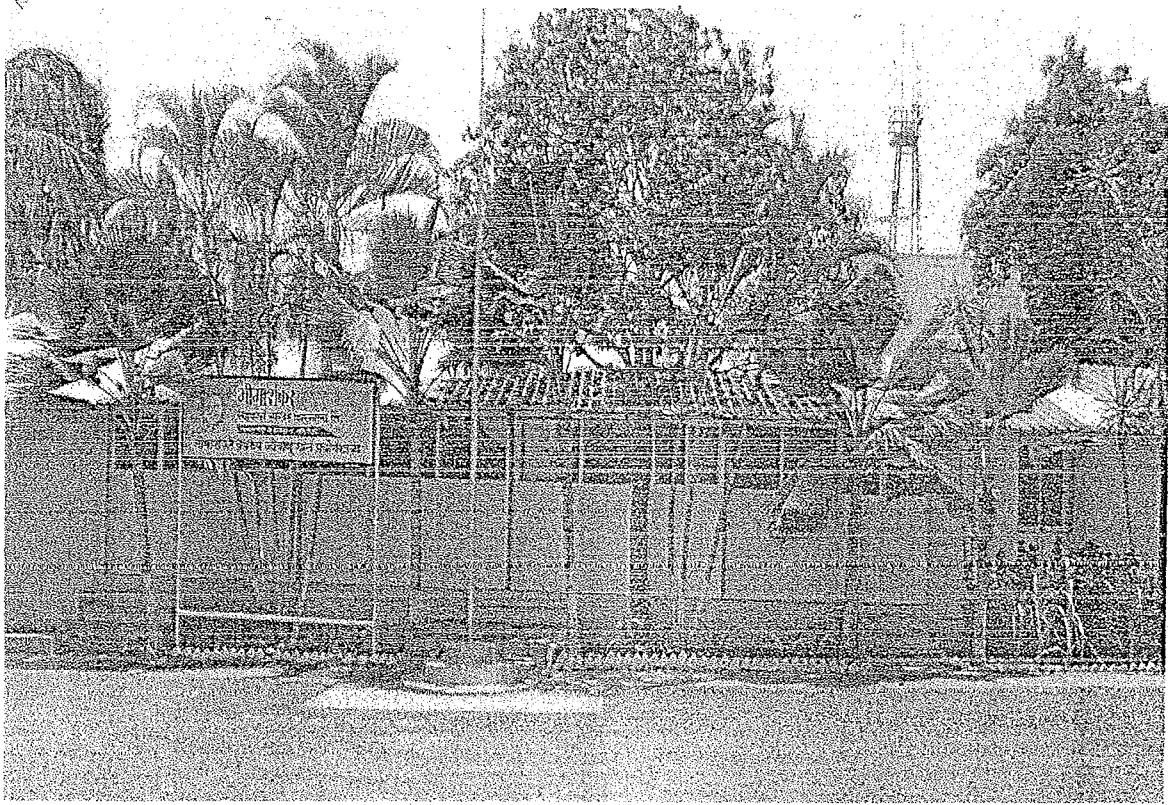
All cane development staff works separately. Each GUT CENTRE has one or two assistants on the basis of registered sugarcane area. All the staff gives latest information to sugarcane growers at field level to increase per acre yield.

13) Prizes to Progressive Farmers: - We give annual awards to cane growers in the area of operation and nearest area for highest cane production in adsali, pre-season, suru, ratoon seasons and highest cane supply for season to create healthy competition among the farmers to achieve highest cane production.

14) Extension Programmes:-

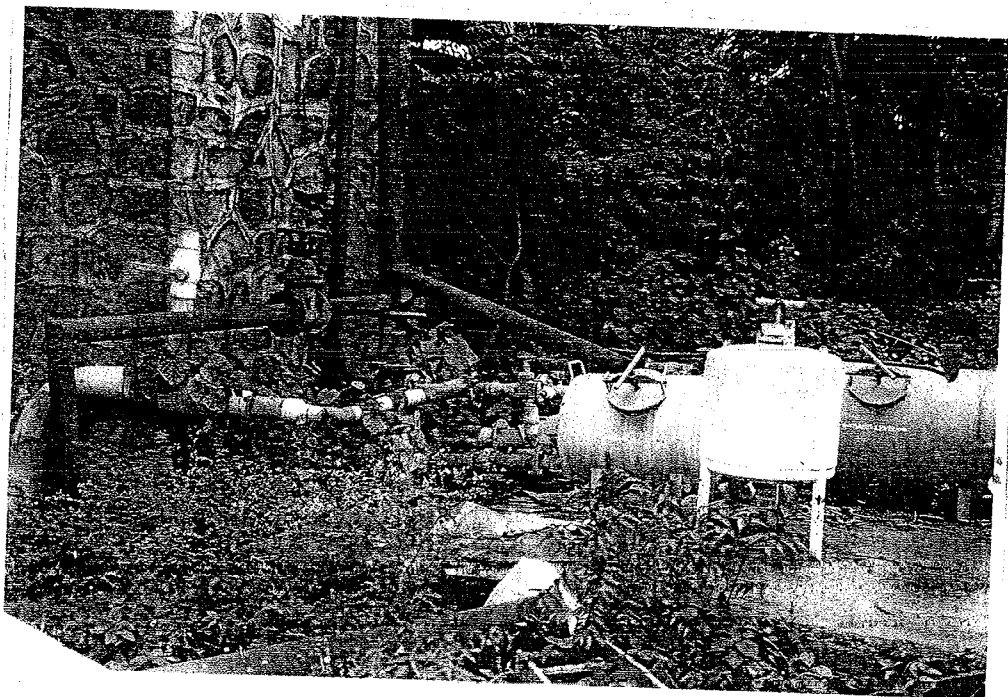
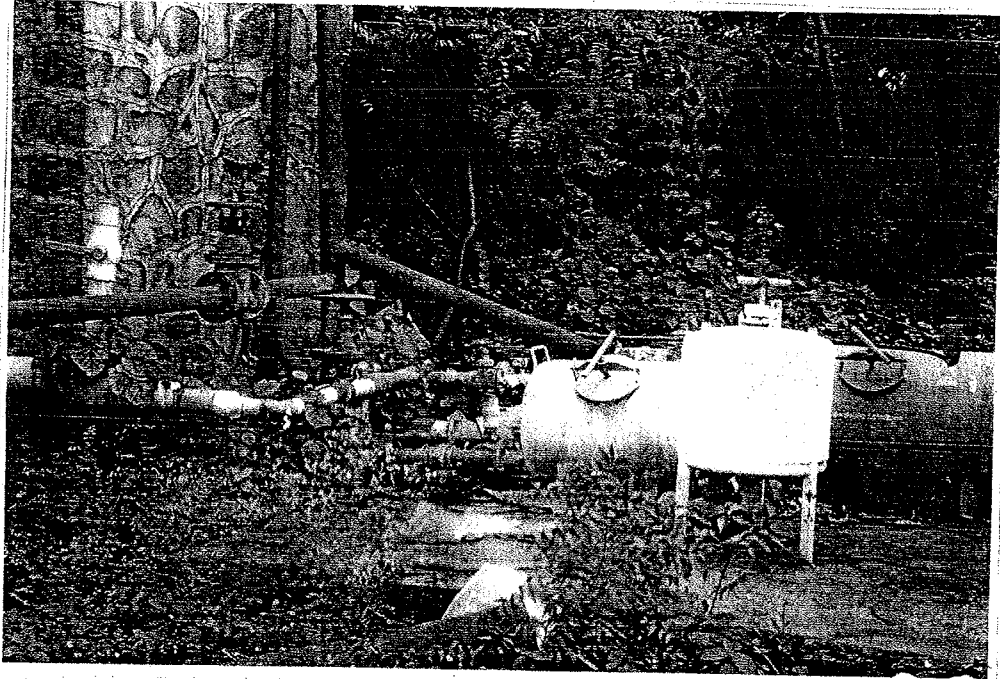
We distribute latest information of cane cultivation through leaflet, pamphlet to farmers at field level. We conduct farmer mela's at village to village to give latest information on plant cane & ratoon cane.

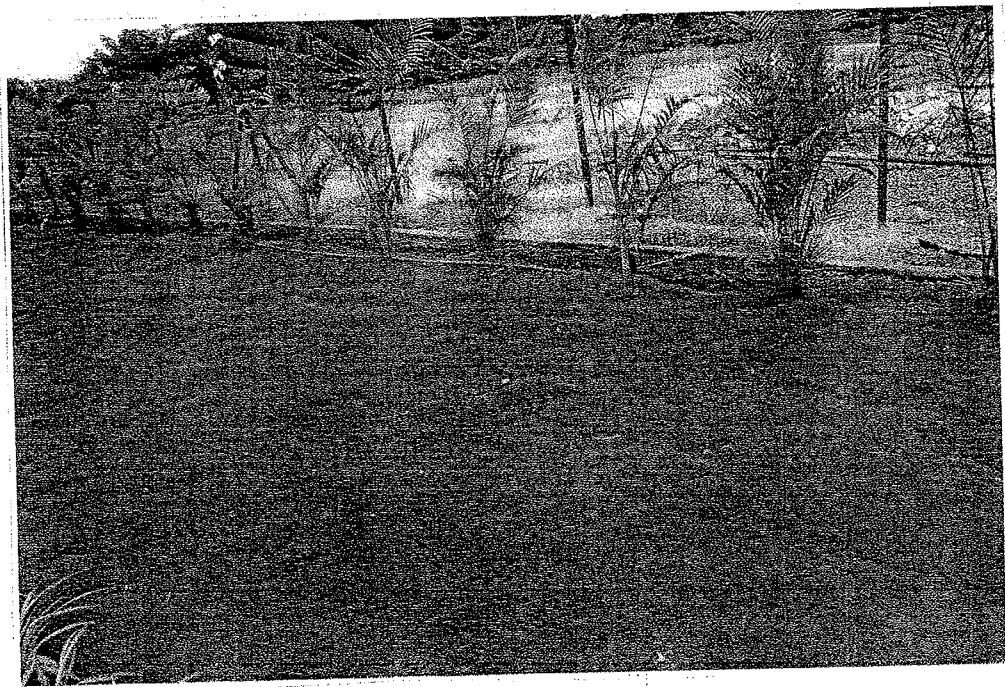


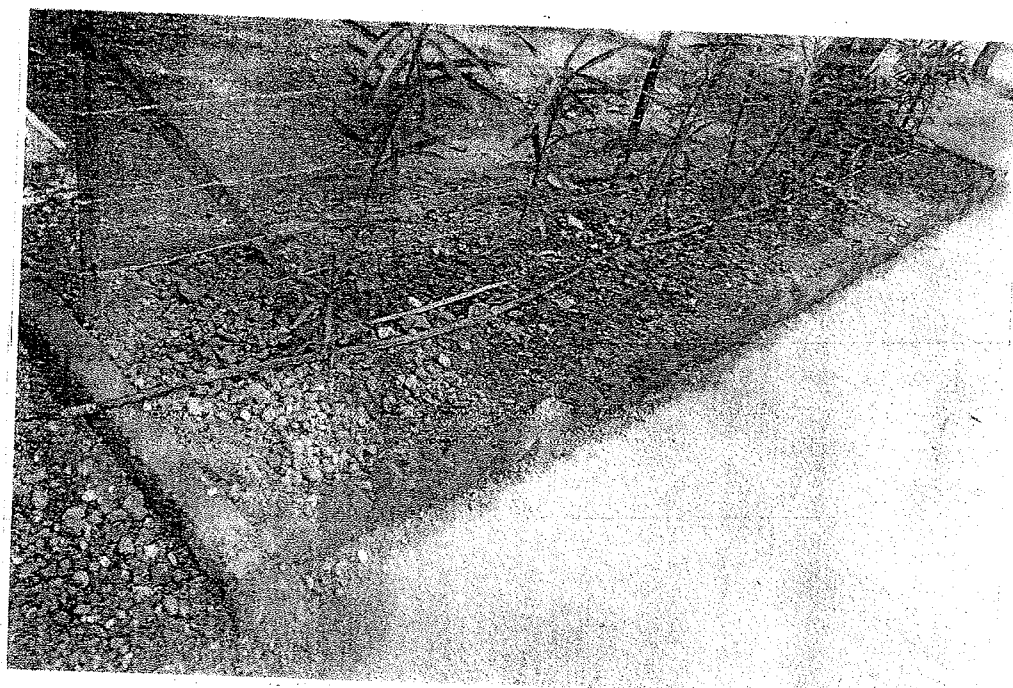
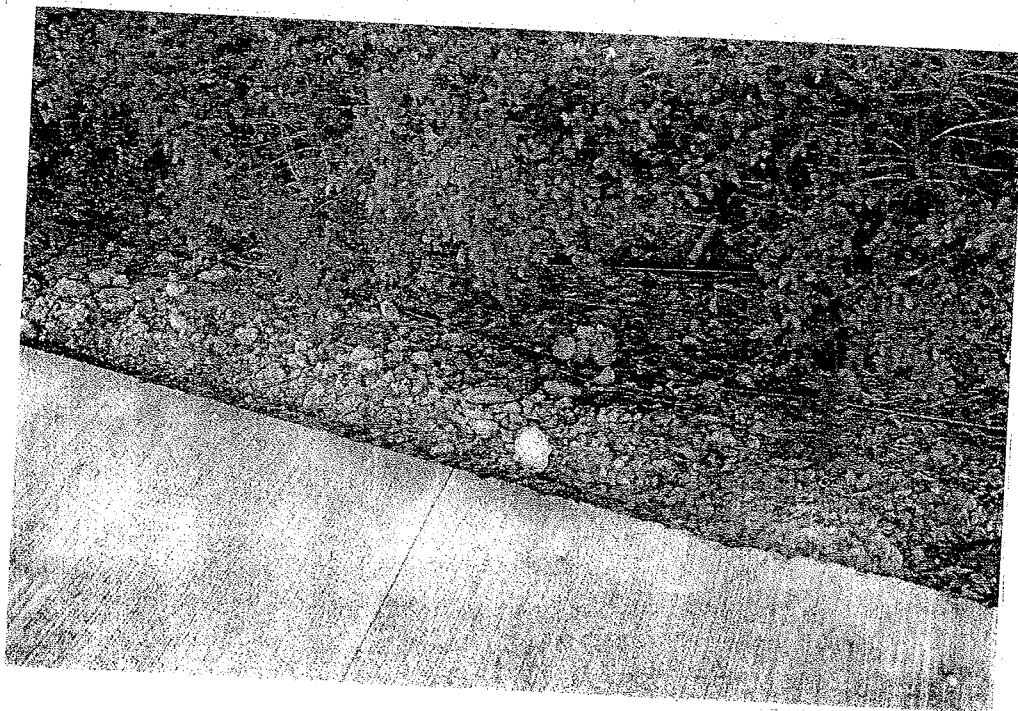


05/02

Plantation & Drip Irrigation Photographs









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TEST REPORT		Page 1 of 1	
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk. Tal. - Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/48-974/2022-23
		Report Date	29/11/2022
		Inward No	11-217
		Inward Date	24/11/2022
Sample Testing Location	Laboratory	Analysis Start date	25/11/2022
Sample Detail	ETP Outlet	Analysis End date	28/11/2022
Sample Collected By	Party	Sample Condition	Fit For Analysis
Sample Volume	3000 ml		

Sr. No.	Parameter	Unit	Result	Limits as Per MPCB Consent	Method
1.	pH@25° C	-----	7.67	5.5-9.0	IS 3025 (Part 11) RA 2012 Electrometric method
2.	BOD @27° C For 3 Days	mg/lit.	70.0	≤100	IS 3025 (Part 44) RA 2014 Azide Modification Method
3.	Chemical Oxygen Demand	mg/lit.	182	≤250	IS 3025 (Part 58) RA 2012 Open Reflux Method
4.	Total Suspended Solids	mg/lit.	82.0	≤100	IS 3025 (Part 17) RA 2012 Gravimetric method
5.	Oil & Grease	mg/lit.	<1.00	≤10.0	APHA 23 rd Edition 2017 5520 B
6.	Total Dissolved Solids	mg/lit.	1352	≤2100	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit.	170	≤600	IS 3025 (Part 32) RA 2009 Argentometric method
8.	Sulphate as SO ₄ ²⁻	mg/lit.	308	≤1000	APHA-23 rd Edition 2017 4500-E-SO ₄ ²⁻

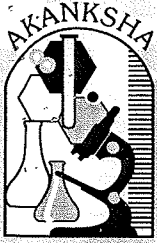
REMARK-

- ❖ The above analysis water sample is within the prescribed limits.
- ❖ Sample will be preserve for seven days after analysis.
- ❖ Above analysis results are related to sample as tested.
- ❖ All the test conducted at permanent location not at out source
- ❖ The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Mr.Akshay Khot)

Authorized Signatory
(Mr.Vipul Waghmare)

...End of test report...



AKANKSHA ANALYTICAL & RESEARCH LAB

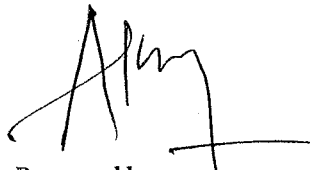
- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

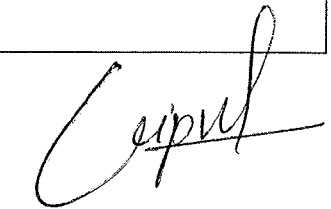
TEST REPORT		Page 1 of 1	
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk. Tal. - Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/49-258/2022-23
		Report Date	30/12/2022
		Inward No	12-244
		Inward Date	26/12/2022
Sample Testing Location	Laboratory	Analysis Start date	27/12/2022
Sample Detail	ETP Outlet	Analysis End date	30/12/2022
Sample Collected By	Party	Sample Condition	Fit For Analysis
Sample Volume	3000 ml		

Sr. No.	Parameter	Unit	Result	Limits as Per MPCB Consent	Method
1.	pH@25° C	-----	8.52	5.5-9.0	IS 3025 (Part 11) RA 2012 Electrometric method
2.	BOD @27° C For 3 Days	mg/lit.	90.0	≤100	IS 3025 (Part 44) RA 2014 Azide Modification Method
3.	Chemical Oxygen Demand	mg/lit.	188	≤250	IS 3025 (Part 58) RA 2012 Open Reflux Method
4.	Total Suspended Solids	mg/lit.	48.0	≤100	IS 3025 (Part 17) RA 2012 Gravimetric method
5.	Oil & Grease	mg/lit.	4.00	≤10.0	APHA 23 rd Edition 2017 5520 B
6.	Total Dissolved Solids	mg/lit.	259	≤2100	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit.	178	≤600	IS 3025 (Part 32) RA 2009 Argentometric method
8.	Sulphate as SO ₄ ²⁻	mg/lit.	192	≤1000	APHA-23 rd Edition 2017 4500-E-SO ₄ ²⁻

REMARK-

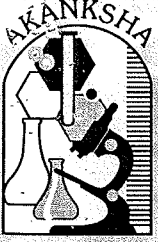
- ❖ The above analysis water sample is within the prescribed limits.
- ❖ Sample will be preserve for seven days after analysis.
- ❖ Above analysis results are related to sample as tested.
- ❖ All the test conducted at permanent location not at out source
- ❖ The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable


Prepared by
(Mr. Akshay Khot)


Authorized Signatory
(Mr. Vipul Waghmare)

...End of test report...

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TEST REPORT		Page 1 of 1
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk. Tal. - Ambegaon, Dist. - Pune-412406.		Report No AL/TR/49-600/2022-23
		Report Date 07/02/2023
		Inward No 01-298
		Inward Date 30/01/2023
Sample Testing Location	Laboratory	Analysis Start date 01/02/2023
Sample Detail	ETP Outlet	Analysis End date 06/02/2023
Sample Collected By	Party	Sample Condition Fit For Analysis
Sample Volume	3000 ml	

Sr. No.	Parameter	Unit	Result	Limits as Per MPCB Consent	Method
1.	pH@25° C	-----	8.18	5.5-9.0	IS 3025 (Part 11) RA 2012 Electrometric method
2.	BOD @27° C For 3 Days	mg/lit.	38.0	≤100	IS 3025 (Part 44) RA 2014 Azide Modification Method
3.	Chemical Oxygen Demand	mg/lit.	106	≤250	IS 3025 (Part 58) RA 2012 Open Reflux Method
4.	Total Suspended Solids	mg/lit.	21.0	≤100	IS 3025 (Part 17) RA 2012 Gravimetric method
5.	Oil & Grease	mg/lit.	1.20	≤10.0	APHA 23 rd Edition 2017 5520 B
6.	Total Dissolved Solids	mg/lit.	1182	≤2100	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit.	99.3	≤600	IS 3025 (Part 32) RA 2009 Argentometric method
8.	Sulphate as SO ₄ ²⁻	mg/lit.	280	≤1000	APHA-23 rd Edition 2017 4500-E-SO ₄ ²⁻

REMARK-

- ❖ The above analysis water sample is within the prescribed limits.
- ❖ Sample will be preserve for seven days after analysis.
- ❖ Above analysis results are related to sample as tested.
- ❖ All the test conducted at permanent location not at out source
- ❖ The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

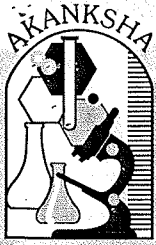
Prepared by
(Mr.Akshay khot)

Reviewed by
(Mrs.Dhanashri Thorat)

Authorized Signatory
(Mr.Vipul Waghmare)

...End of test report...

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TEST REPORT		Page 1 of 1	
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk. Tal. - Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/49-846/2022-23
		Report Date	03/03/2023
		Inward No	02-228
		Inward Date	24/02/2023
Sample Testing Location	Laboratory	Analysis Start date	25/02/2023
Sample Detail	ETP Outlet	Analysis End date	01/03/2023
Sample Collected By	Party	Sample Condition	Fit For Analysis
Sample Volume	3000 ml		

Sr. No.	Parameter	Unit	Result	Limits as Per MPCB Consent	Method
1.	pH@25° C	-----	8.10	5.5-9.0	IS 3025 (Part 11) RA 2012 Electrometric method
2.	BOD @27° C For 3 Days	mg/lit.	22.0	≤100	IS 3025 (Part 44) RA 2014 Azide Modification Method
3.	Chemical Oxygen Demand	mg/lit.	82.0	≤250	IS 3025 (Part 58) RA 2012 Open Reflux Method
4.	Total Suspended Solids	mg/lit.	9.00	≤100	IS 3025 (Part 17) RA 2012 Gravimetric method
5.	Oil & Grease	mg/lit.	<1.00	≤10.0	APHA 23 rd Edition 2017 5520 B
6.	Total Dissolved Solids	mg/lit.	1415	≤2100	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit.	133	≤600	IS 3025 (Part 32) RA 2009 Argentometric method
8.	Sulphate as SO ₄ ²⁻	mg/lit.	105	≤1000	APHA-23 rd Edition 2017 4500-E-SO ₄ ²⁻

REMARK-

- ❖ The above analysis water sample is within the prescribed limits.
- ❖ Sample will be preserve for seven days after analysis.
- ❖ Above analysis results are related to sample as tested.
- ❖ All the test conducted at permanent location not at out source
- ❖ The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

P.P. Sinakote
Prepared by
(Mr.Akshay khot)

Dhanashri Thorat
Reviewed by
(Mrs.Dhanashri Thorat)

Vipul Waghmare
Authorized Signatory
(Mr.Vipul Waghmare)

...End of test report...

EnviroConnect Forbes Marshall Multi Station Report

From Date 01-11-2022 00:00
 To Date 30-11-2022 23:59
 Interval Daily
 Function Average

Plant	BSSK	BSSK	BSSK	BSSK
Analyzer	ETP1	ETP1	ETP1	ETP1
Parameter	BOD	COD	pH	TSS
Unit	mg/l	mg/l	pH	mg/l
Limit	0.00 - 100.00	0.00 - 250.00	5.50 - 9.00	0.00 - 100.00
11-11-2022 00:00	28.11 <	56.85 <	7.88 <	0 <
12-11-2022 00:00	28.06	56.8	7.88	0
13-11-2022 00:00	28.07	56.82	7.88	0
14-11-2022 00:00	28.08	56.82	7.88	0
15-11-2022 00:00	28.1	56.86	7.88	0
16-11-2022 00:00	28.09	56.86	7.88	0
17-11-2022 00:00	28.08	56.83	7.88	0
18-11-2022 00:00	25.85 RH	51.08 RB	6.87 LRHB	3.34 RB
19-11-2022 00:00	16.95 R	33.86 R	6.03 L	6.66
20-11-2022 00:00	27.23	54.49	6 L	7.31
21-11-2022 00:00	29.97	59.85	6.03 L	8.7
22-11-2022 00:00	31.48	62.89	6.04 L	8.15
23-11-2022 00:00	29.49	58.9	6.09 L	5.95
24-11-2022 00:00	27.26 R	54.42 R	6.59 L	5.62
25-11-2022 00:00	41.39	82.75	7.89	13.2
26-11-2022 00:00	54.02	108.04	7.36	23.16
27-11-2022 00:00	54.02	108.04	7.36	23.16
28-11-2022 00:00	54.02	108.04	7.36	23.16
29-11-2022 00:00	54.02	108.04	7.36	23.16
30-11-2022 00:00	54.02	108.04	7.36	23.16
Average	34.8	69.8	7.2	8.7
Geom.Mean	33	66.3	7.1	11
Maximum	54	108	7.9	23.2
Median	28.1	56.9	7.4	6.3
Minimum	16.9	33.9	6	0
Mode	54	108	7.4	0
Std.Deviation	12.1	24.1	0.8	9.3
Total Active Duration				

EnviroConnect Forbes Marshall Multi Station Report

From Date 01-12-2022 00:00
 To Date 31-12-2022 23:59
 Interval Daily
 Function Average

Plant	BSSK	BSSK	BSSK	BSSK
Analyzer	ETP1	ETP1	ETP1	ETP1
Parameter	BOD	COD	pH	TSS
Unit	mg/l	mg/l	pH	mg/l
Limit	0.00 - 100.00	0.00 - 250.00	5.50 - 9.00	0.00 - 100.00
01-12-2022 00:00	54.02	108.04	7.36	23.16
02-12-2022 00:00	54.02	108.04	7.36	23.16
03-12-2022 00:00	54.02	108.04	7.36	23.16
04-12-2022 00:00	54.02	108.04	7.36	23.16
05-12-2022 00:00	54.02	108.04	7.36	23.16
06-12-2022 00:00	54.02	108.04	7.36	23.16
07-12-2022 00:00	54.02	108.04	7.36	23.16
08-12-2022 00:00	54.02	108.04	7.36	23.16
09-12-2022 00:00	54.02	108.04	7.36	23.16
10-12-2022 00:00	54.02	108.04	7.36	23.16
11-12-2022 00:00	54.02	108.04	7.36	23.16
12-12-2022 00:00	54.02	108.04	7.36	23.16
13-12-2022 00:00	54.02	108.04	7.36	23.16
14-12-2022 00:00	54.02	108.04	7.36	23.16
15-12-2022 00:00	54.02	108.04	7.36	23.16
16-12-2022 00:00	54.02	108.04	7.36	23.16
17-12-2022 00:00	54.02	108.04	7.36	23.16
18-12-2022 00:00	54.02	108.04	7.36	23.16
19-12-2022 00:00	54.02	108.04	7.36	23.16
20-12-2022 00:00	54.02	108.04	7.36	23.16
21-12-2022 00:00	54.02	108.04	7.36	23.16
22-12-2022 00:00	54.02	108.04	7.36	23.16
23-12-2022 00:00	54.02	108.04	7.36	23.16
24-12-2022 00:00	54.02	108.04	7.36	23.16
25-12-2022 00:00	54.02	108.04	7.36	23.16
26-12-2022 00:00	54.02	108.04	7.36	23.16
27-12-2022 00:00	54.02	108.04	7.36	23.16
28-12-2022 00:00	54.02	108.04	7.36	23.16
29-12-2022 00:00	54.02	108.04	7.36	23.16
30-12-2022 00:00	54.02	108.04	7.36	23.16
31-12-2022 00:00	54.02	108.04	7.36	23.16
Average	54	108	7.4	23.2
Geom.Mean	54	108	7.4	23.2
Maximum	54	108	7.4	23.2
Median	54	108	7.4	23.2
Minimum	54	108	7.4	23.2
Mode	54	108	7.4	23.2
Std.Deviation	0	0	0	0

EnviroConnect Forbes Marshall Multi Station Report

From Date 01-01-2023 00:00
 To Date 31-01-2023 23:59
 Interval Daily
 Function Average

Plant	BSSK	BSSK	BSSK	BSSK
Analyzer	ETP1	ETP1	ETP1	ETP1
Parameter	BOD	COD	pH	TSS
Unit	mg/l	mg/l	pH	mg/l
Limit	0.00 - 100.00	0.00 - 250.00	5.50 - 9.00	0.00 - 100.00
01-01-2023 00:00	54.02	108.04	7.36	23.16
02-01-2023 00:00	54.02	108.04	7.36	23.16
03-01-2023 00:00	54.02	108.04	7.36	23.16
04-01-2023 00:00	54.02	108.04	7.36	23.16
05-01-2023 00:00	54.02	108.04	7.36	23.16
06-01-2023 00:00	54.02	108.04	7.36	23.16
07-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
08-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
09-01-2023 00:00	54.02	108.04	7.36	23.16
10-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
11-01-2023 00:00	54.02	108.04	7.36	23.16
12-01-2023 00:00	54.02	108.04	7.36	23.16
13-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
14-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
15-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
16-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
17-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
18-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
19-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
20-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
21-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
22-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
23-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
24-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
25-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
26-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
27-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
28-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
29-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
30-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
31-01-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
Average	54	108	7.4	23.2
Geom.Mean	54	108	7.4	23.2
Maximum	54	108	7.4	23.2
Median	54	108	7.4	23.2
Minimum	54	108	7.4	23.2
Mode	54	108	7.4	23.2
Std.Deviation	0	0	0	0

EnviroConnect Forbes Marshall Multi Station Report

From Date 01-02-2023 00:00
 To Date 28-02-2023 23:59
 Interval Daily
 Function Average

Plant	BSSK	BSSK	BSSK	BSSK
Analyzer	ETP1	ETP1	ETP1	ETP1
Parameter	BOD	COD	pH	TSS
Unit	mg/l	mg/l	pH	mg/l
Limit	0.00 - 100.00	0.00 - 250.00	5.50 - 9.00	0.00 - 100.00
01-02-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
02-02-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
03-02-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
04-02-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
05-02-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
06-02-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
07-02-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
08-02-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
09-02-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
10-02-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
11-02-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
12-02-2023 00:00	54.02 <	108.04 <	7.36 <	23.16 <
13-02-2023 00:00	40.44 <	80.88 <	6.72 < L	13.71 <
14-02-2023 00:00	29.31 <	58.61 <	6.6 < L	6.55 <
15-02-2023 00:00	26.79 <	53.58 <	6.74 <	4.83 <
16-02-2023 00:00	27.26 <	54.52 <	6.75 < L	4.36 <
17-02-2023 00:00	29.08 <	58.16 <	6.85 <	4.71 <
18-02-2023 00:00	29.08 <	58.16 <	6.85 <	4.71 <
19-02-2023 00:00	29.08 <	58.16 <	6.85 <	4.71 <
20-02-2023 00:00	29.08 <	58.16 <	6.85 <	4.71 <
21-02-2023 00:00	29.08 <	58.16 <	6.85 <	4.71 <
22-02-2023 00:00	29.08 <	58.16 <	6.85 <	4.71 <
23-02-2023 00:00	29.08 <	58.16 <	6.85 <	4.71 <
24-02-2023 00:00	29.08 <	58.16 <	6.85 <	4.71 <
25-02-2023 00:00	29.08 <	58.16 <	6.85 <	4.71 <
26-02-2023 00:00	29.08 <	58.16 <	6.85 <	4.71 <
27-02-2023 00:00	30.44 <	60.87 <	7.33 < LR	7.09 <
28-02-2023 00:00	32.25 <	64.54 <	8.03 <	10.33 <
Average	40.2	80.4	7.1	13.3
Geom.Mean	38.4	76.8	7.1	10.2
Maximum	54	108	8	23.2
Median	31.3	62.7	7.1	8.7
Minimum	26.8	53.6	6.6	4.4
Mode	54	108	7.4	23.2
Std.Deviation	12.4	24.8	0.3	8.9
Total Active Duration				

EnviroConnect Forbes Marshall Multi Station Report

From Date 01-03-2023 00:00
 To Date 31-03-2023 23:59
 Interval Daily
 Function Average

Plant	BSSK	BSSK	BSSK	BSSK
Analyzer	ETP1	ETP1	ETP1	ETP1
Parameter	BOD	COD	pH	TSS
Unit	mg/l	mg/l	pH	mg/l
Limit	0.00 - 100.00	0.00 - 250.00	5.50 - 9.00	0.00 - 100.00
01-03-2023 00:00	32.25 <	64.54 <	8.03 <	10.33 <
02-03-2023 00:00	32.25 <	64.54 <	8.03 <	10.33 <
03-03-2023 00:00	32.25 <	64.54 <	8.03 <	10.33 <
04-03-2023 00:00	32.25 <	64.54 <	8.03 <	10.33 <
05-03-2023 00:00	32.25 <	64.54 <	8.03 <	10.33 <
06-03-2023 00:00	32.25 <	64.54 <	8.03 <	10.33 <
07-03-2023 00:00	32.25 <	64.54 <	0 < L	10.33 <
08-03-2023 00:00	32.25 <	64.54 <	0 < L	10.33 <
09-03-2023 00:00	32.25 <	64.54 <	0 ≤ L	10.33 <
10-03-2023 00:00	32.25 <	64.54 <	0 < L	10.33 <
11-03-2023 00:00	38.29 <	76.65 <	4.07 < L	8.13 < R
12-03-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
13-03-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
14-03-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
15-03-2023 00:00	43.71	87.53	7.31	6.65
16-03-2023 00:00	43.71	87.53	7.31	6.65
17-03-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
18-03-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
19-03-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
20-03-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
21-03-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
22-03-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
23-03-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
24-03-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
25-03-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
26-03-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
27-03-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
28-03-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
29-03-2023 00:00	43.71	87.53	7.31	6.65
30-03-2023 00:00	43.71	87.53	7.31	6.65
31-03-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
Average	39.8	79.8	6.4	7.9
Geom.Mean	39.5	79	7.3	7.7
Maximum	43.7	87.5	8	10.3
Median	43.7	87.5	7.3	6.7
Minimum	32.2	64.5	0	6.7
Mode	43.7	87.5	7.3	6.7
Std.Deviation	5.4	10.9	2.6	1.7

From Date 01-04-2023 00:00
 To Date 30-04-2023 23:59
 Interval Daily
 Function Average

Plant	BSSK	BSSK	BSSK	BSSK
Analyzer	ETP1	ETP1	ETP1	ETP1
Parameter	BOD	COD	pH	TSS
Unit	mg/l	mg/l	pH	mg/l
Limit	0.00 - 100.00	0.00 - 250.00	5.50 - 9.00	0.00 - 100.00
01-04-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
02-04-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
03-04-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
04-04-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
05-04-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
06-04-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
07-04-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
08-04-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
09-04-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
10-04-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
11-04-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
12-04-2023 00:00	43.71 <	87.53 <	7.31 <	6.65 <
Average	43.7	87.5	7.3	6.7
Geom.Mean	43.7	87.5	7.3	6.7
Maximum	43.7	87.5	7.3	6.7
Median	43.7	87.5	7.3	6.7
Minimum	43.7	87.5	7.3	6.7
Mode	43.7	87.5	7.3	6.7
Std.Deviation	0	0	0	0
Total Active Duration				

भीमाशंकर सहकारी साखर कारखाना लि., दत्तात्रयनगर
पारगाव तर्फे अवसरी बु., ता. आंबेगाव, जि. पुणे

जा.क्र. भीमाशंकर / ले अॅन्ड वे. 2022/2022-2023

दि. 23/10/2022
२५

परीपत्रक

कारखान्यातील सर्व अधिकारी व कर्मचारी तसेच उस तोडणी कामगार यांना कळविण्यात येते की, कारखान्याचे संस्थापक-संचालक व माजी गृहमंत्री, महाराष्ट्र राज्य मा.ना.श्री. दिलीपराव वळसे पाटील यांच्या वाढदिवसानिमित्त रविवार दि. ३०/१०/२०२२ रोजी सकाळी ठिक १०.०० वाजता कारखाना साईटवरील दत्तात्रय गोविंदराव वळसे पाटील इंग्लीश मेडीयम स्कूल दत्तात्रयनगर पारगाव येथे सर्वरोग निदान शिबीर आयोजित करण्यात आले आहे. सदर शिबिरासाठी जहांगीर हॉस्पिटल पुणे येथील तज्ञ डॉक्टर मेंदू विकार तज्ञ, हृदय विकार तज्ञ व ऑर्थोपेडिक तज्ञ तपासणी करणेसाठी उपस्थित राहणार आहेत.

तरी सर्वानी सदर सर्वरोग निदान शिबिरांत सहभाग घ्यावा.

(सी.जी.ढगे)
कार्यकारी संचालक

प्रत :- मा.चेअरमनसाहेब माहीतीस्तव सादर.

सर्व खातेप्रमुख, उपखातेप्रमुख :- कर्मचारी यांचे कामाचे नियोजन करून कर्मचारी यांना शिबिरासाठी पाठविणे.

सर्व नोटीस बोर्ड

प्रशासन व लेबर विभाग :- शिबिराचे फोटो काढने बातमी देणे, संबधीत विभागाशी संपर्क साधून शिबिराचे नियोजन करणे.

शेतकी विभाग :- उसतोडणी कर्मचारी यांना शिबिरात सहभागी होणेसाठी कळवावे.

भीमाशंकर शिक्षण संस्था :- शिबिरासाठी ०३ रूम, उद्घाटनप्रसंगी लागणारे साहित्य व नोंदणीसाठी ०३ क्लार्क व्यवस्था करणे.

इंजिनिअरिंग विभाग :- शिबिरासाठी लागणारे लाईट बोर्ड, फॅन, इत्यादी व्यवस्था करावी.

गेस्ट हाऊस :- शिबिरासाठी स्टाफची चहा, नाष्टा, जेवण व्यवस्था करावी.

सिव्हिल विभाग :- शिबिराचे ठिकाणी आवश्यक ०३ टेबल ५० खुर्ची व मदतनिस देणे.

रसायन :- शिबिरासाठी पिण्याचे पाणी पुरवठा व्यवस्था करणे, व स्टाफसाठी चहा, नाष्टा देणेची व्यवस्था करावी.

जहांगीर हॉस्पिटल - शिबीर

अस्थी रोग - कारखाना कर्मचारी व कुटुंबीय

अ.न	नाव	गाव	वर्गवारी
१	सविता भरत गठे	कारखाना कॉलोनी	कारखाना
२	सरला शाम अहिरे	कारखाना कॉलोनी	कारखाना
३	नंदा अशोक बडेकर	कारखाना कॉलोनी	कारखाना
४	अशोक तावजी बडेकर	कारखाना कॉलोनी	कारखाना
५	बाळासाहेब सखाराम पोखरकर	कारखाना कॉलोनी	कारखाना
६	किरण रोहिदास पोखरकर	कारखाना कॉलोनी	कारखाना
७	ज्ञानेश्वर रघुनाथ ढोबळे	कारखाना कॉलोनी	कारखाना
८	देविदास बंडू कोकणे	कारखाना कॉलोनी	कारखाना
९	रवींद्र बाबाजी थोरात	कारखाना कॉलोनी	कारखाना
१०	रामेश्वर वामन ठकाजी	कारखाना कॉलोनी	कारखाना
११	रमेश गेणभाऊ अगळे	कारखाना कॉलोनी	कारखाना
१२	मारुती गजानन ढोबळे	कारखाना कॉलोनी	कारखाना
१३	नवनाथ दिलीप वाव्हळ	कारखाना कॉलोनी	कारखाना
१४	रोहिणी दिलीप बोटे	कारखाना कॉलोनी	कारखाना
१५	राजेश रामभाऊ राजपुरे	कारखाना कॉलोनी	कारखाना
१६	नारायण लक्ष्मन शेलार	कारखाना कॉलोनी	कारखाना
१७	वारे दिलीप त्र्यंबक	कारखाना कॉलोनी	कारखाना
१८	हनुमंत श्रीहरी बोधडे	कारखाना कॉलोनी	कारखाना
१९	आशाबाई रतन जाधव	कारखाना कॉलोनी	कारखाना
२०	शंकर पांडुरंग ढोके	एकलहरे	कारखाना
२१	विलास मारुती यादव	नागापूर	कारखाना
२२	अजित सोनोपंत निघोट	निघोटवाडी	कारखाना

जहांगीर हॉस्पिटल - शिबीर

हृदय विकार - कारखाना कर्मचारी व कुटुंबीय

अ.न	नाव	गाव	वर्गवारी
१	रंगनाथ जिजाबा होळकर	काठापूर खुर्द	कारखाना
२	भरत सखाराम गटे	कारखाना कॉलोनी	कारखाना
३	बाबुराव बुधाजी मोरमारे	कारखाना कॉलोनी	कारखाना
४	शाम काशीराम अहिरे	कारखाना कॉलोनी	कारखाना
५	सरला शाम अहिरे	कारखाना कॉलोनी	कारखाना
६	गुलाबचंद स्वामिनाथ शर्मा	कारखाना कॉलोनी	कारखाना
७	थोरात चंद्रकांत किसन	कारखाना कॉलोनी	कारखाना
८	बाबासो सखाराम पोखरकर	कारखाना कॉलोनी	कारखाना
९	ज्ञानेश्वर रघुनाथ ढोबळे	कारखाना कॉलोनी	कारखाना
१०	दिलीप बबन भोर	कारखाना कॉलोनी	कारखाना
११	गणेश सुरेश टेमकर	कारखाना कॉलोनी	कारखाना
१२	अशोक दगडु वाघ	कारखाना कॉलोनी	कारखाना
१३	विलास मारुती यादव	कारखाना कॉलोनी	कारखाना
१४	रवींद्र बाबाजी थोरात	कारखाना कॉलोनी	कारखाना
१५	प्रशांत वसंत शेवाळे	कारखाना कॉलोनी	कारखाना
१६	लक्ष्मन पुंजाजी काळे	कारखाना कॉलोनी	कारखाना
१७	रामेश्वर ठाकरे	कारखाना कॉलोनी	कारखाना
१८	रमेश गेणभाऊ आगळे	कारखाना कॉलोनी	कारखाना
१९	अजित सोनापंत निघोट	निघोटवाडी	कारखाना
२०	कल्पेश कैलाश वाघ	पहाडदरा	कारखाना
२१	गणेश ज्ञानेश्वर खंडागळे	मांजरवाडी	कारखाना
२२	शरद शांताराम मेंगडे	मेंगडेवाडी	कारखाना

जहांगीर हॉस्पिटल - शिबीर

अस्थी रोग - कारखाना कर्मचारी व कुटुंबीय

अ.न	नाव	गाव	वर्गवारी
१	सविता भरत गढे	कारखाना कॉलोनी	कारखाना
२	सरला शाम अहिरे	कारखाना कॉलोनी	कारखाना
३	नंदा अशोक बडेकर	कारखाना कॉलोनी	कारखाना
४	अशोक तावजी बडेकर	कारखाना कॉलोनी	कारखाना
५	बाळासाहेब सखाराम पोखरकर	कारखाना कॉलोनी	कारखाना
६	किरण रोहिदास पोखरकर	कारखाना कॉलोनी	कारखाना
७	ज्ञानेश्वर रघुनाथ ढोबळे	कारखाना कॉलोनी	कारखाना
८	देविदास बंडू कोकणे	कारखाना कॉलोनी	कारखाना
९	रवींद्र बाबाजी थोरात	कारखाना कॉलोनी	कारखाना
१०	रामेश्वर वामन ठकाजी	कारखाना कॉलोनी	कारखाना
११	रमेश गेणभाऊ अगळे	कारखाना कॉलोनी	कारखाना
१२	मारुती गजानन ढोबळे	कारखाना कॉलोनी	कारखाना
१३	नवनाथ दिलीप वाव्हळ	कारखाना कॉलोनी	कारखाना
१४	रोहिणी दिलीप बोटे	कारखाना कॉलोनी	कारखाना
१५	राजेश रामभाऊ राजपुरे	कारखाना कॉलोनी	कारखाना
१६	नारायण लक्ष्मन शेलार	कारखाना कॉलोनी	कारखाना
१७	वारे दिलीप त्र्यंबक	कारखाना कॉलोनी	कारखाना
१८	हनुमंत श्रीहरी बोधडे	कारखाना कॉलोनी	कारखाना
१९	आशाबाई रतन जाधव	कारखाना कॉलोनी	कारखाना
२०	शंकर पांडुरंग ढोके	एकलहरे	कारखाना
२१	विलास मारुती यादव	नागापूर	कारखाना
२२	अजित सोनोपंत निघोट	निघोटवाडी	कारखाना

जहांगीर हॉस्पिटल - शिबीर

मेंदू रोग - कारखाना कर्मचारी व कुटुंबीय

अ.न	नाव	गाव	वर्गवारी
१	शंकर पांडुरंग ढोके	एकलहरे	कारखाना
२	सुभाष भाऊ रोडे	काठापूर	कारखाना
३	नंदा अशोक पठागंडे	कारखाना कॉलोनी	कारखाना
४	अशोक निवृत्ती पठागंडे	कारखाना कॉलोनी	कारखाना
५	शाम काशीराम अहिरे	कारखाना कॉलोनी	कारखाना
६	लक्ष्मन पुंजाजी काळे	कारखाना कॉलोनी	कारखाना
७	शेवाळे प्रशांत वसंत	कारखाना कॉलोनी	कारखाना
८	रमेश गेणभाऊ आगळे	कारखाना कॉलोनी	कारखाना
९	देविदास बंडू कोकणे	कारखाना कॉलोनी	कारखाना
१०	पाटील राजू अण्णा	कारखाना कॉलोनी	कारखाना
११	बढे रमेश दत्तात्रय	कारखाना कॉलोनी	कारखाना
१२	आदक दिनकर रामभाऊ	कारखाना कॉलोनी	कारखाना
१३	गावडे दिलीप कृष्णा	कारखाना कॉलोनी	कारखाना
१४	दिक्खित सोमेश्वर वसंतराव	कारखाना कॉलोनी	कारखाना
१५	खिल्लारी रवींद्र केशवराव	कारखाना कॉलोनी	कारखाना
१६	मनोहर शिवराम मेंगडे	कारखाना कॉलोनी	कारखाना
१७	सावळेराम चंद्रकांत आरडे	कारखाना कॉलोनी	कारखाना
१८	विलास मारुती यादव	नागापूर	कारखाना
१९	जितेंद्र वाल्मिक	नारायणगाव	कारखाना
२०	अजित सोनापंत निघोट	निघोटवाडी	कारखाना
२१	गणेश ज्ञानेश्वर खंडागळे	मांजरवाडी	कारखाना
२२	शरद शांताराम मेंगडे	मेंगडेवाडी	कारखाना
२३	दिलीप बबन भोर	वळती	कारखाना
२४	नारायण भिमाजी लोखंडे	वळती	कारखाना
२५	मारुती बबन वैद्य	वैदवाडी	कारखाना

जहांगीर हॉस्पिटल - शिबीर

हृदय विकार - कारखाना कर्मचारी व कुटुंबीय

अ.न	नाव	गाव	वर्गवारी
१	रंगनाथ जिजाबा होळकर	काठापूर खुर्द	कारखाना
२	भरत सखाराम गटे	कारखाना कॉलोनी	कारखाना
३	बाबुराव बुधाजी मोरमारे	कारखाना कॉलोनी	कारखाना
४	शाम काशीराम अहिरे	कारखाना कॉलोनी	कारखाना
५	सरला शाम अहिरे	कारखाना कॉलोनी	कारखाना
६	गुलाबचंद स्वामिनाथ शर्मा	कारखाना कॉलोनी	कारखाना
७	थोरात चंद्रकांत किसन	कारखाना कॉलोनी	कारखाना
८	बाबासो सखाराम पोखरकर	कारखाना कॉलोनी	कारखाना
९	ज्ञानेश्वर रघुनाथ ढोबळे	कारखाना कॉलोनी	कारखाना
१०	दिलीप बबन भोर	कारखाना कॉलोनी	कारखाना
११	गणेश सुरेश टेमकर	कारखाना कॉलोनी	कारखाना
१२	अशोक दगडु वाघ	कारखाना कॉलोनी	कारखाना
१३	विलास मारुती यादव	कारखाना कॉलोनी	कारखाना
१४	रवींद्र बाबाजी थोरात	कारखाना कॉलोनी	कारखाना
१५	प्रशांत वसंत शेवाळे	कारखाना कॉलोनी	कारखाना
१६	लक्ष्मण पुंजाजी काळे	कारखाना कॉलोनी	कारखाना
१७	रामेश्वर ठाकरे	कारखाना कॉलोनी	कारखाना
१८	रमेश गेणभाऊ आगळे	कारखाना कॉलोनी	कारखाना
१९	अजित सोनापंत निघोट	निघोटवाडी	कारखाना
२०	कल्पेश कैलाश वाघ	पहाडदरा	कारखाना
२१	गणेश ज्ञानेश्वर खंडागळे	मांजरवाडी	कारखाना
२२	शरद शांताराम मेंगडे	मेंगडेवाडी	कारखाना

जहांगीर हॉस्पिटल - शिबीर

अस्थी रोग - कारखाना कर्मचारी व कुटुंबीय

अ.न	नाव	गाव	वर्गवारी
१	सविता भरत गठे	कारखाना कॉलोनी	कारखाना
२	सरला शाम अहिरे	कारखाना कॉलोनी	कारखाना
३	नंदा अशोक बडेकर	कारखाना कॉलोनी	कारखाना
४	अशोक तावजी बडेकर	कारखाना कॉलोनी	कारखाना
५	बाळासाहेब सखाराम पोखरकर	कारखाना कॉलोनी	कारखाना
६	किरण रोहिदास पोखरकर	कारखाना कॉलोनी	कारखाना
७	ज्ञानेश्वर रघुनाथ ढोबळे	कारखाना कॉलोनी	कारखाना
८	देविदास बंडू कोकणे	कारखाना कॉलोनी	कारखाना
९	रवींद्र बाबाजी थोरात	कारखाना कॉलोनी	कारखाना
१०	रामेश्वर वामन ठकाजी	कारखाना कॉलोनी	कारखाना
११	रमेश गेणभाऊ अगळे	कारखाना कॉलोनी	कारखाना
१२	मारुती गजानन ढोबळे	कारखाना कॉलोनी	कारखाना
१३	नवनाथ दिलीप वाव्हळ	कारखाना कॉलोनी	कारखाना
१४	रोहिणी दिलीप बोटे	कारखाना कॉलोनी	कारखाना
१५	राजेश रामभाऊ राजपुरे	कारखाना कॉलोनी	कारखाना
१६	नारायण लक्ष्मन शेलार	कारखाना कॉलोनी	कारखाना
१७	वारे दिलीप त्र्यंबक	कारखाना कॉलोनी	कारखाना
१८	हनुमंत श्रीहरी बोधडे	कारखाना कॉलोनी	कारखाना
१९	आशाबाई रतन जाधव	कारखाना कॉलोनी	कारखाना
२०	शंकर पांडुरंग ढोके	एकलहरे	कारखाना
२१	विलास मारुती यादव	नागापूर	कारखाना
२२	अजित सोनोपंत निघोट	निघोटवाडी	कारखाना

जहांगीर हॉस्पिटल - शिबीर

जनरल चेक अप

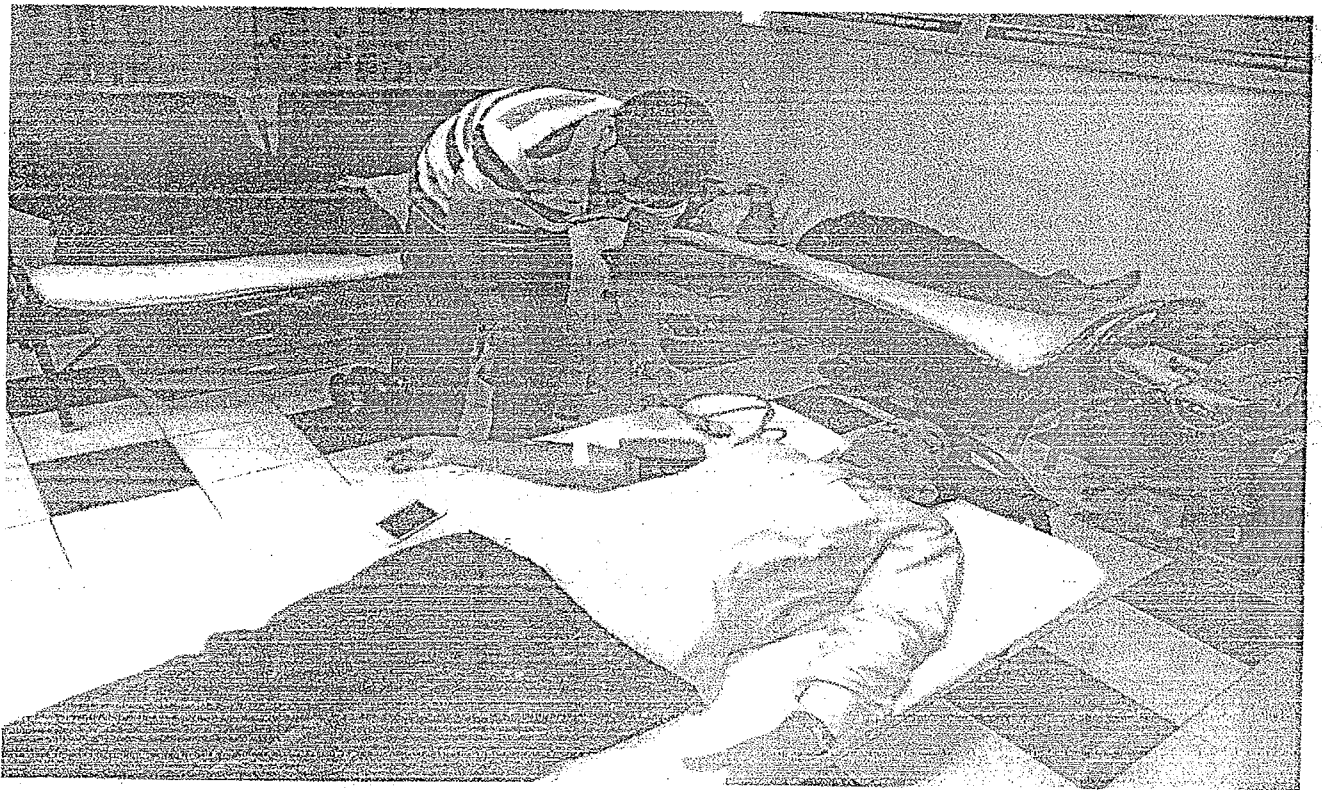
अ.न	नाव	गाव	वर्गवारी
१	हार्दिक सोमनाथ शिंदे	अवसरी बुद्रुक	कारखाना
२	शंकर पांडुरंग ढोके	एकलहरे	कारखाना
३	अशोक तावजी बडेकर	कारखाना कॉलोनी	कारखाना
४	काशिनाथ भीमा जाधव	कारखाना कॉलोनी	कारखाना
५	सोनाबाई काशिनाथ जाधव	कारखाना कॉलोनी	कारखाना
६	थोरात चंद्रकांत किसन	कारखाना कॉलोनी	कारखाना
७	अशोक दगडु वाघ	कारखाना कॉलोनी	कारखाना
८	रमेश गेणभाऊ आगळे	कारखाना कॉलोनी	कारखाना
९	देविदास बंडू कोकणे	कारखाना कॉलोनी	कारखाना
१०	रवींद्र बाबाजी थोरात	कारखाना कॉलोनी	कारखाना
११	नवनाथ दिलीप वाव्हळ	कारखाना कॉलोनी	कारखाना
१२	विलास मारुती यादव	कारखाना कॉलोनी	कारखाना
१३	बाबासो सखाराम पोखरकर	कारखाना कॉलोनी	कारखाना
१४	लक्ष्मन पुंजाजी काळे	कारखाना कॉलोनी	कारखाना
१५	दत्तात्रय शंकर खेडकर	कारखाना कॉलोनी	कारखाना
१६	चंद्रशेखर अरविंद मगर	कारखाना कॉलोनी	कारखाना
१७	संजय तुकाराम सहाणे	कारखाना कॉलोनी	कारखाना
१८	दिव्या केतकरी	कारखाना कॉलोनी	कारखाना
१९	इंद्रकुमार पांडे	कारखाना कॉलोनी	कारखाना
२०	शेला चंद्रकांत शिरवळ	कारखाना कॉलोनी	कारखाना
२१	वैशाली रामेश्वर ठाकरे	कारखाना कॉलोनी	कारखाना
२२	दिपाली अनिल बोंबले	कारखाना कॉलोनी	कारखाना
२३	सरिता तिवारी	कारखाना कॉलोनी	कारखाना
२४	रमेश वामन भोर	कारखाना कॉलोनी	कारखाना
२५	चंद्रकांत एकनाथ शिरोळे	कारखाना कॉलोनी	कारखाना
२६	संदीप मुरलीधर खैरे	कारखाना कॉलोनी	कारखाना
२७	संजय एकनाथ भालेराव	कारखाना कॉलोनी	कारखाना
२८	रवींद्र हिरालाल सावळे	कारखाना कॉलोनी	कारखाना
२९	इंद्रकुमार रामचंद्र पांडे	कारखाना कॉलोनी	कारखाना
३०	कैलास भाऊ गाढवे	कारखाना कॉलोनी	कारखाना
३१	सुनील सीताराम टेमकर	कारखाना कॉलोनी	कारखाना
३२	राजेश दशरथ वाकचौरे	कारखाना कॉलोनी	कारखाना
३३	ब्रिजेश अनंत लोहोट	कारखाना कॉलोनी	कारखाना

जहांगीर हॉस्पिटल - शिबीर

जनरल चेक अप

अ.न	नाव	गाव	वर्गवारी
३४	राहुल विनोद कासार	कारखाना कॉलोनी	कारखाना
३५	अंकाक्षा शांताराम रोडे	कारखाना कॉलोनी	कारखाना
३६	सरिता शांताराम रोडे	कारखाना कॉलोनी	कारखाना
३७	शांताराम गणपत रोडे	कारखाना कॉलोनी	कारखाना
३८	अनिल रामभाऊ बोंबले	कारखाना कॉलोनी	कारखाना
३९	वारे शोभा दिलीप	कारखाना कॉलोनी	कारखाना
४०	मनीषा भाऊसाहेब चौधरी	कारखाना कॉलोनी	कारखाना
४१	अनिल सोपान वळसे	कारखाना कॉलोनी	कारखाना
४२	अक्षय सुरेश सुखे	कारखाना कॉलोनी	कारखाना
४३	धोंडू धर्मा मानकर	कारखाना कॉलोनी	कारखाना
४४	प्रवीण ज्ञानेश्वर वाळूज	कारखाना कॉलोनी	कारखाना
४५	तानाजी शहाजी पाटूळे	कारखाना कॉलोनी	कारखाना
४६	कृष्णा नरवडे	कारखाना कॉलोनी	कारखाना
४७	नामदेव गणपत गायकवाड	कारखाना कॉलोनी	कारखाना
४८	सुहास यल्लापा पाटील	कारखाना कॉलोनी	कारखाना
४९	संतोष लक्ष्मन थोरात	कारखाना कॉलोनी	कारखाना
५०	अंकुश आनंदा वाव्हळ	कारखाना कॉलोनी	कारखाना
५१	दिनकर रामभाऊ आदक	कारखाना कॉलोनी	कारखाना
५२	सीताराम दगडु जोशी	कारखाना कॉलोनी	कारखाना
५३	सविता संजय भालेराव	कारखाना कॉलोनी	कारखाना
५४	राजू भाऊसाहेब फणसे	कारखाना कॉलोनी	कारखाना
५५	वेदांत समाधान पवार	कारखाना कॉलोनी	कारखाना
५६	प्रवीण बाळू शेटे	कारखाना कॉलोनी	कारखाना
५७	अरुण वीरेंद्र सिंह	कारखाना कॉलोनी	कारखाना
५८	किसन दगडू कैंगले	कारखाना कॉलोनी	कारखाना
५९	अनिल निवृत्ती खानदेशी	कारखाना कॉलोनी	कारखाना
६०	केतन सुधाकर लोखंडे	कारखाना कॉलोनी	कारखाना
६१	अजित सोनापंत निघोट	निघोटवाडी	कारखाना
६२	प्रज्वल हनुमंत लबडे	पारगाव	कारखाना
६३	शरद शांताराम मेंगडे	मेंगडेवाडी	कारखाना
६४	संतोष पांडुरंग लोंढे	वळती	कारखाना





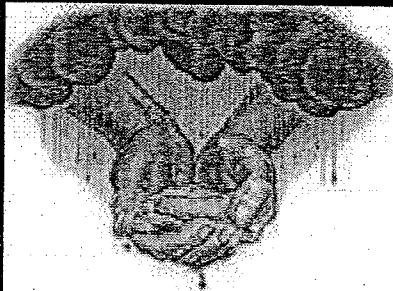
Area Statement of Bhimashankar

Sr. No.	Details	Area in Sq. M.	Avg Rainfall	Runoff Coeff	Total Water Colleted	
1	Main Building and around shed	9883	849.32	0.8	6715.06365	9883
2	Godown 5 Nos.	14233	849.32	0.8	9670.69725	14233
3	English School	3266	849.32	0.8	2219.1033	
4	College Bldg	2500	849.32	0.8	1698.64	
5	Office Bldg	964	849.32	0.8	654.995584	964
6	Gust House & Rest Room	628.5	849.32	0.8	427.038096	628.5
7	Laboure Qurter (105 to107)	512	849.32	0.8	347.881472	512
8	Laboure Qurter (114 to118)	1966.28	849.32	0.8	1336.00074	1966.28
9	Laboure Qurter (114 to118)	1295.4	849.32	0.8	880.167302	1295.4
10	Banglow Quarter (102 to 104)	621	849.32	0.8	421.942176	621
	Effective Catchment Area	35869.18	849.32	0.8	24371.5296	

Dt. 18.10.2022

RAIN WATER HARVESTING
FEASIBILITY REPORT
FOR
Project
BHIMASHANKAR SUGAR
FACTORY
At
DATTATRAY NAGAR, PARGAON, PUNE

By



M/S. RAINBOW GROUP
ADD: NEAR BALAJI LAW COLLEGE,
A/P- TATHWADE, PUNE
PH. NO. 020/65000337,

AIM OF THE PROJECT –

- To implement 'Rain Water harvesting' to store and recharge water to achieve maximum self-sufficiency.
- To recharge excess water in the ground in methodical way to improve 'ground water table'.
- To recharge, reuse and recycle water in every possible way and achieve minimum water discharge to take care of natural resource.
- To plan all 'water management' in sustainable way without disturbing the natural balance.

1. TITLE OF THE PROJECT : - A Project report on Rain water harvesting at Industrial Project
"Bhimashankar Sugar Factory, Dattatray Nagar, Pargaon, Pune

2. SUBMITTED BY :- **M/s. RAINBOW GROUP**

S. No. 1/1/1, Near Balaji law College,
Ravet-Aundh BRT Road, Tathwade, Pune – 411033

Phone: 020-65000337

E-mail: Rainbow.rainwaterharvesting@gmail.com

Web: www.rainbowgroup.org.in

3. RAINFALL PATTERN:-

The normal annual rainfall over the district varies from about 468 mm to 4659 mm. It is minimum in the eastern part of the district around Daund (468 mm), Baramati (486 mm) and Jujuri (494 mm). This increases towards west and reaches a maximum around Khandala (4659 mm) in the western ghat. The Chances of receiving normal rainfall are maximum (50 to 55%) in eastern part around Indapur and Daund, in the central part around Pune city and small area around Junnar in northern part of the district. Rainfall analysis also indicates occurrence of drought prone area in eastern, southern, south-eastern, central and north western part around Indapur, Baramati, Jujuri, Daund, Talegaon, Damdhare ,Alandi, Shirur and Bhore covering about 50% area of the district. Taluka wise average annual rainfall for the period 2003 to 2012 ranges from about 474 mm (Daund) to 2668 mm (Velhe)

Table-3 Annual Rainfall Data for Year 2003-2012 (Rainfall in mm)

Taluka	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Decadal Average
Pune City	335.3	652.4	1239.5	1246	779.44	689.29	909.7	1169	979.9	492.7	849.32
Haveli	452.2	890.6	1250.36	1247.5	859.04	706.09	938.3	1147.8	979.6	505.4	897.67
Mulshi	1251	1878	2875.8	2804	1834	1602	1836.7	1592	1792	1438	1890.35
Bhor	712	1380.1	1714	1762	1429.4	998	1213	1121	1129.3	833	1229.18
Maval	1026	1466	2561	2252	1442.6	1399.5	1364.8	1168	1482	1013	1571.14
Velhe	1420	2054.4	3320.6	3997	3263	2409	1405	2043	2695.1	2070.4	2667.7
Junnar	648.2	818	1344.4	1237	880	747.4	706	862.3	769	557.1	852.32
Khed	386.2	775	973.1	1461.1	756.5	692.66	639.6	1018.4	637.7	436.2	777.65
Ambegaon	421.8	735.1	1025	1338.3	830.9	735	732.3	823.4	836	616.6	809.44
Shirur	266	374	460	760	674	492	859.6	849.5	441.8	321	549.69
Baramati	113.2	521	711	567	522	454	738.8	804.6	291	235	505.76
Indapur	163.3	651.9	696.1	668	640.3	345.4	932.4	805.8	399	250.6	555.28
Daund	156.3	522	742.2	594	604.85	326.7	474.3	639.3	347.6	337.4	474.46
Purandhar	215	710	1158	1476	519	497	806	602	609.4	371	696.34
District Average	540.46	995.87	1647.9	1529.2	1081	814.62	968.3	1046.1	956.38	676.9	

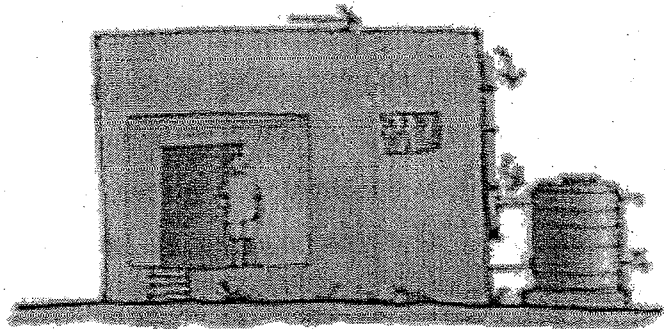
4. METHODS OF RAIN WATER HARVESTING –

Rain water harvesting can be done by two methods –

1) Direct storage method

a. In closed / Underground tank

In direct storage method, the roof water will flow from down take pipe through sand filters. Sand filters to be installed on every down take pipe, and then will flow to the storage tank. Though it is costly preposition we can store some part of volume of water by this method. We can store some water in underground tank and some part can be utilized for Ground Water Recharge.



RAINWATER CAN BE STORED IN TANKS

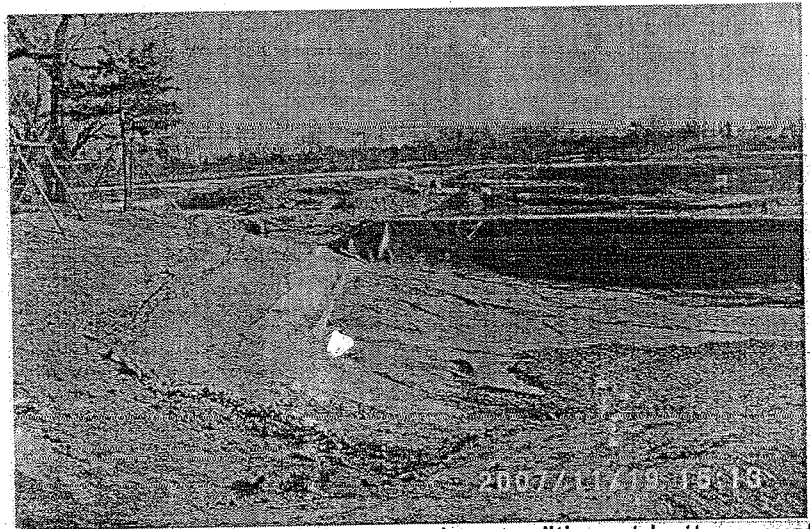
b. Percolation pond -

Developing percolation pond is another important method of Rain Water Harvesting.

Percolation pond can be prepared by bare stone pitching /using HDPE sheets. Laying HDPE sheets will require murum filling underneath.

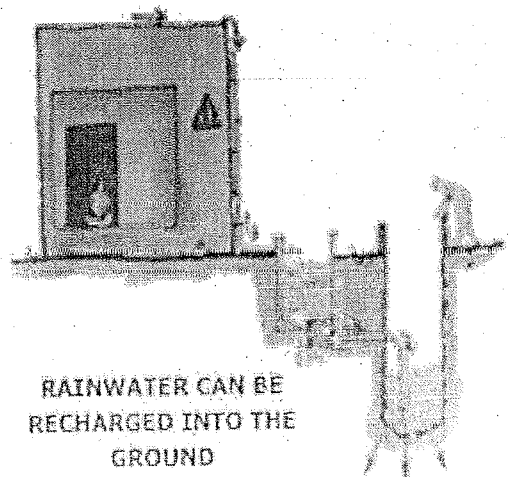
However if we want to recharge maximum water in the ground, we do not propose HDPE sheet layer in

the percolation pond. So more & more water will seep in & after maximum silting at bottom, water will get stored.



2) Ground water recharge

Another method is using roof water and Storm water for ground water recharge. In that case the roof water can



RAINWATER CAN BE RECHARGED INTO THE GROUND

be filtered through sand filters but storm water needs Desilting chamber and auxiliary bore wells or recharge pit. The storm water can be collected through channel and gutters according to the existing topography. The physical, chemical and biological contamination can be taken care by desilting chamber. This water can be used for ground water recharge by putting it in auxiliary bore well. By this the ground water table will improve substantially along with water table of the area. We can also use soak away pits, infiltration trenches, oil & grit separators to purify water. This is comparatively cheaper option.

Rainwater harvesting Calculation

Rainwater Collected before development

$$\text{Total terrace Area} = 35869.18 \text{ Sq. M. (Appo.)}$$

$$= 35817.18 \times 849.32 \times 0.3$$

$$= 9126.07 \text{ Cum per year}$$

$$= 182.52 \text{ Cum Per Day}$$

We consider the 50 day of rainy season in one year

Rainwater Collected after development

1. Total Terrace area (A)	- 35869.18 Sq. M.
---------------------------	-------------------

2. Average Rainfall in Pune (I)	- 849.26 MM
---------------------------------	-------------

(Ref: Ground water information)

3. Runoff Coefficient Factor for hard Space (F)	- 0.8
---	-------

Surface water collected by rainwater will be

$$= \text{Area in Sq. M.} \times \text{Average Rainfall} \times \text{Runoff Coefficient}$$

$$= A \times I \times F$$

$$= 35869.18 \times 849.26 \times 0.8$$

$$= 24369.80 \text{ Cum per year}$$

$$= 487.39 \text{ cum per day}$$

We consider the 50 day of rainy season in one year

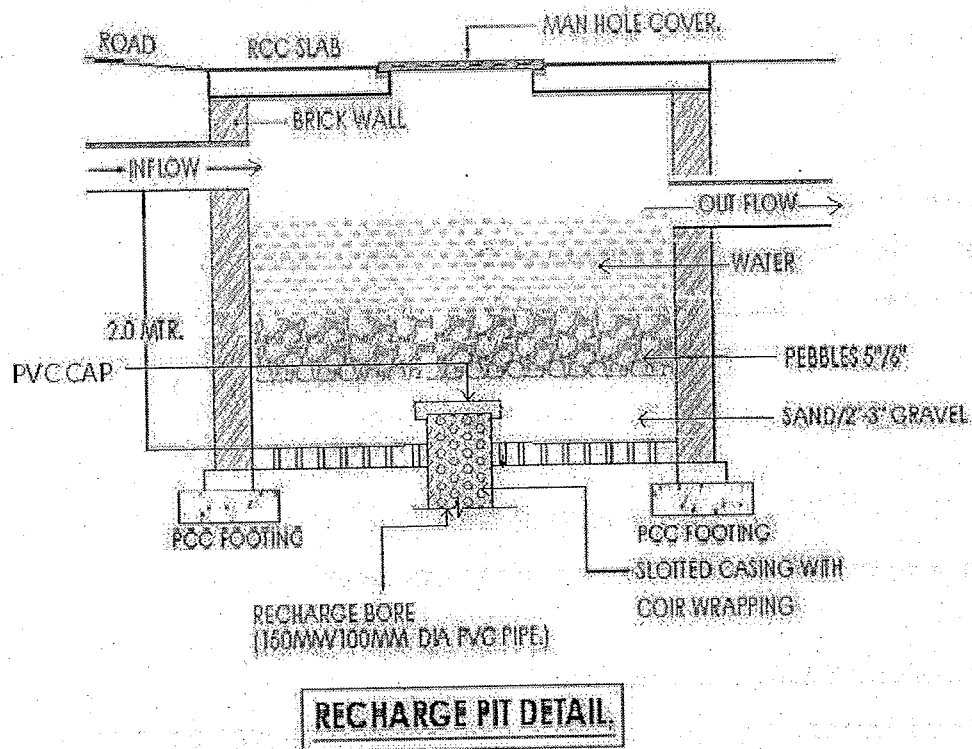
Surplus Water will be calculated

$$\text{Total Surplus water} = \text{Rainwater After Development} - \text{Rainwater Before Development}$$

$$= 487.39 - 182.52$$

$$= 304.87 \text{ Cum Per Day}$$

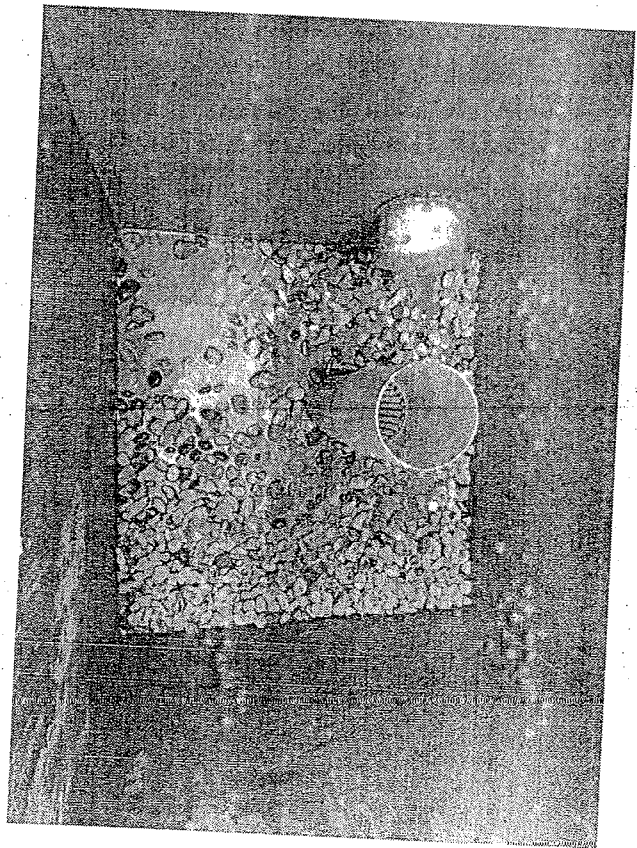
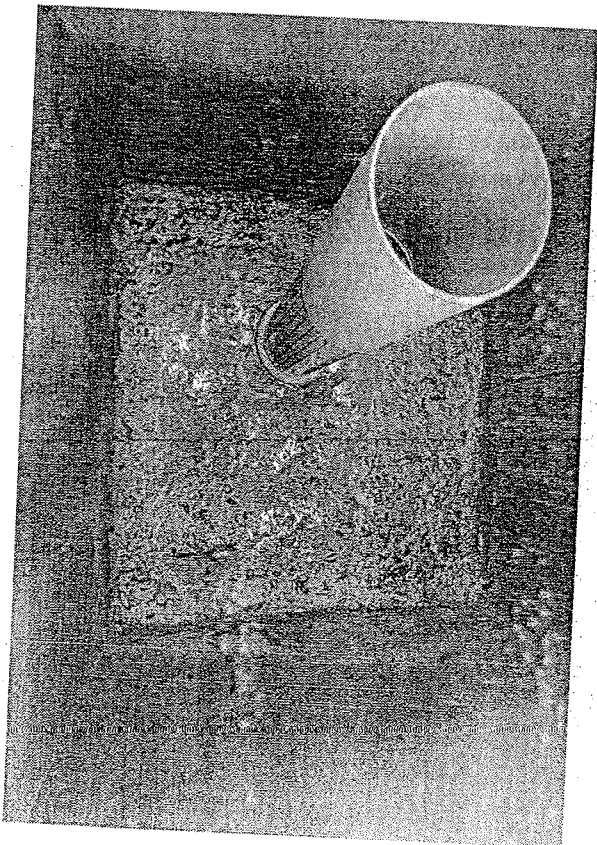
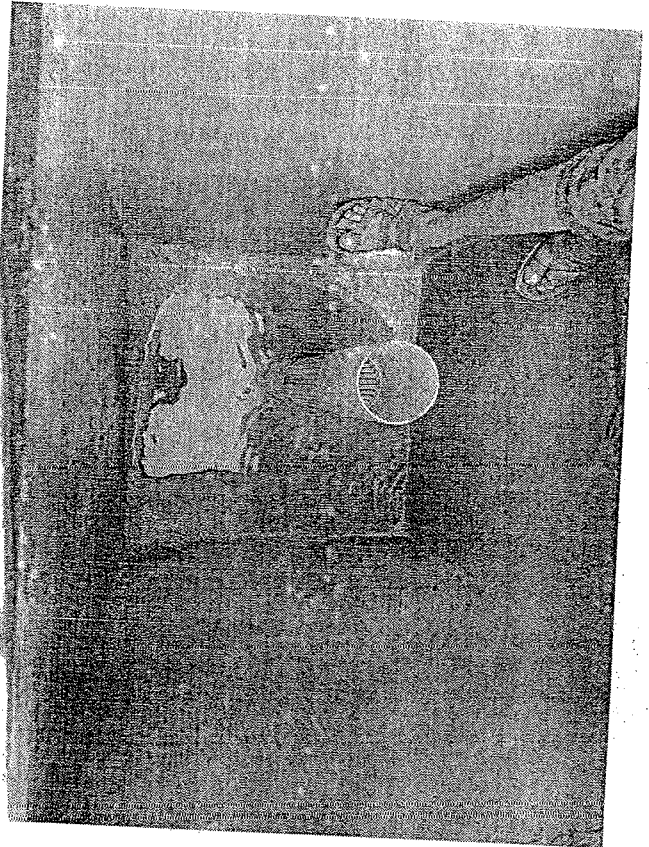
Recharge pits – Drawing of recharge pit

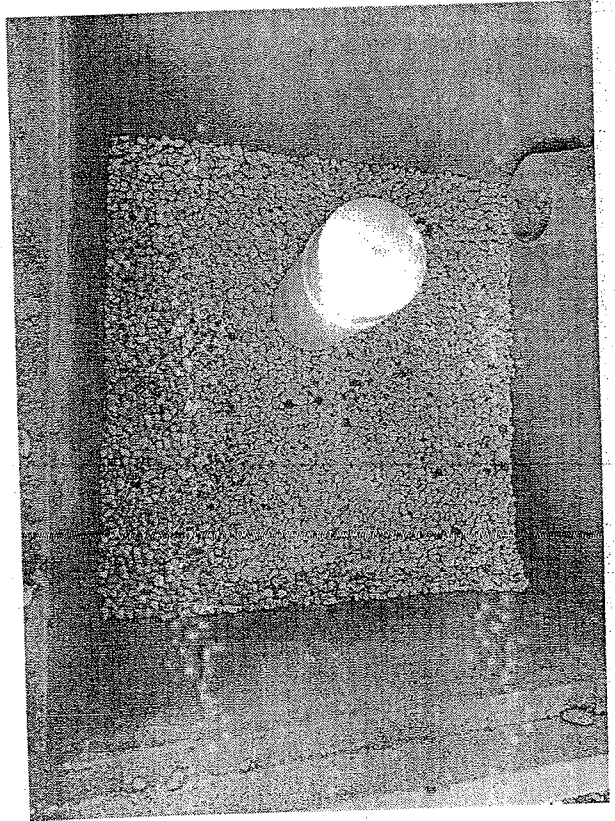
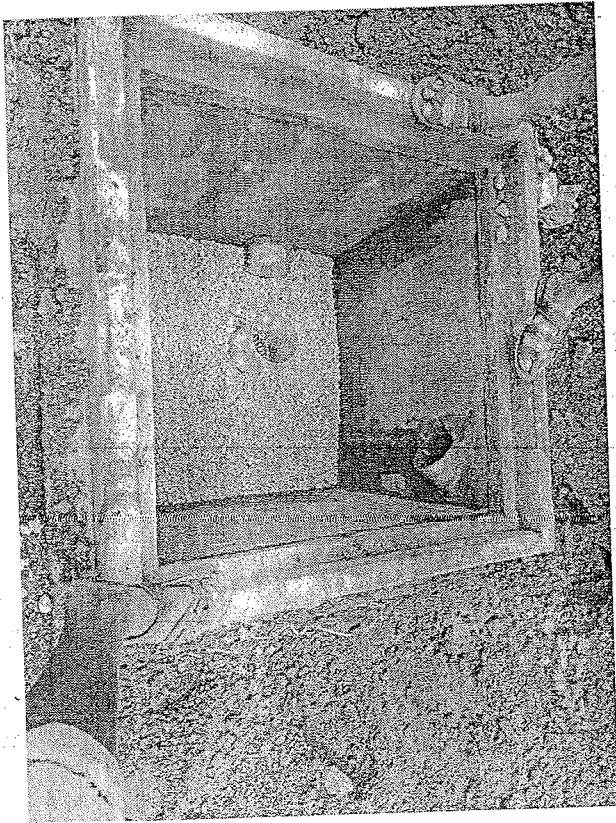
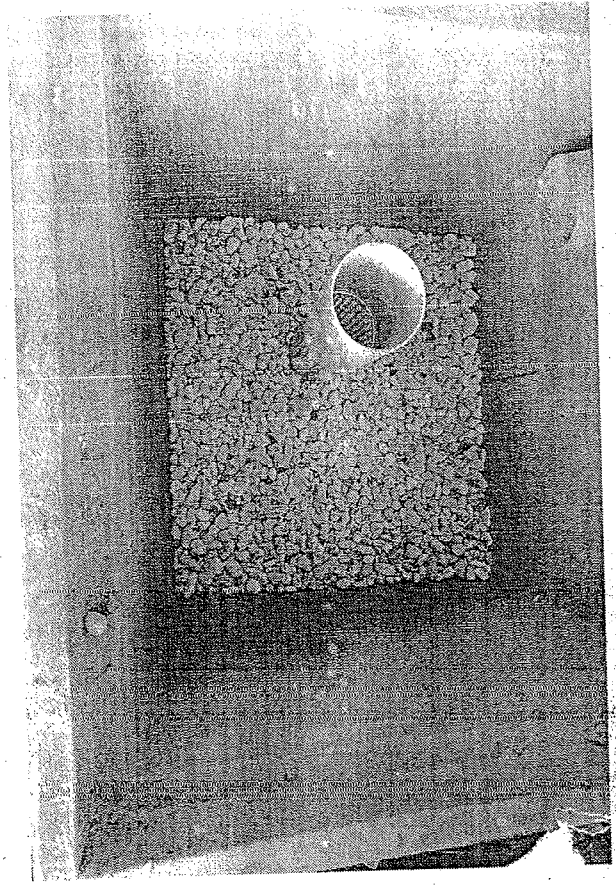
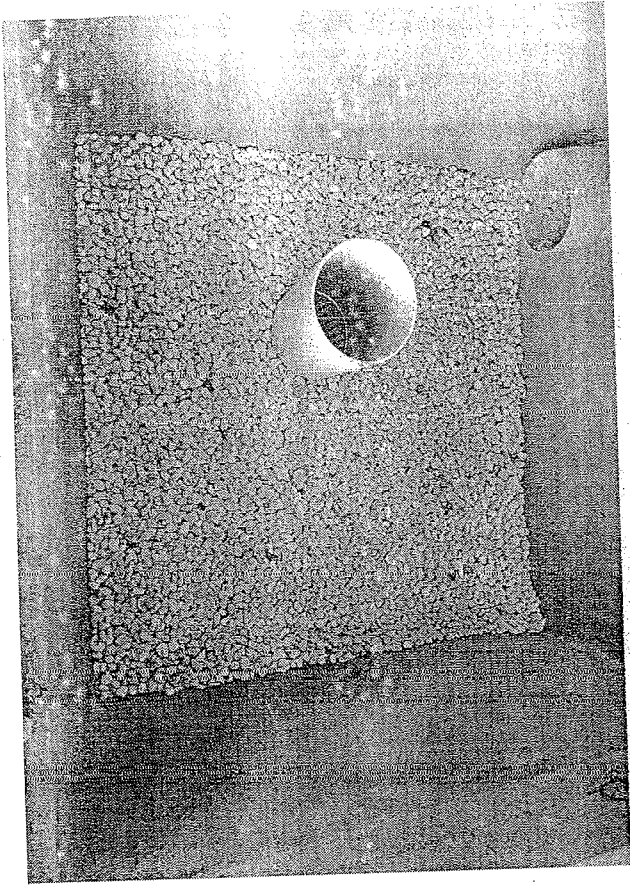


We are recharge with 2m x 2m in which Vee –Wire screen filter installed from this filtration will recharge water in to percolation borewell.

Vee wire screen filter is having filtration in micron level, also its used for rainwater harvesting purpose.

Actual Photos of Rainwater Harvesting







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TEST REPORT		Page 1 of 1	
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/48-984/2022-23
		Report Date	01/12/2022
		Inward No	11-227
		Inward Date	24/11/2022
Sample Testing Location	Laboratory	Analysis Start date	25/11/2022
Sample Detail	Well Water-Madan Badase (East)	Analysis End date	01/12/2022
		Sample Condition	Fit For Analysis
Sample Collected By	Party	Sample Volume	2250 ml

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.41	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	1748	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	8.76	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	658	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	82.6	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	277	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	297	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	55.4	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	38.0	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	68.2	≤200	APHA23 rd Edition 20174500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	5.90	≤45.0	APHA 23 rd Edition 20174500-B-NO ₃
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15	Coliform	MPN/100ml	Absent	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Absent	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Absent	Absent	IS1622:1981 Reaff.2014

REMARK-

- ❖ As per Specified above analysis water sample is not within the desirable limits.
- ❖ Sample will be preserve for seven days after analysis.
- ❖ Above analysis results are related to sample as tested.
- ❖ All the test conducted at permanent location not at out source
- ❖ The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Mr.Akshay Khot)

Authorized Signatory
(Mr.Vipul Waghmare)

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TEST REPORT		Page 1 of 1	
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/48-982/2022-23
		Report Date	01/12/2022
		Inward No	11-225
		Inward Date	24/11/2022
Sample Testing Location	Laboratory	Analysis Start date	25/11/2022
Sample Detail	Well Water-Ramesh Gaikwad East	Analysis End date	01/12/2022
		Sample Condition	Fit For Analysis
Sample Collected By	Party	Sample Volume	2250 ml

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.74	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	3458	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	8.51	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1147	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	155	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	522	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	416	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	51.5	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	68.9	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	265	≤200	APHA23 rd Edition 20174500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	12.5	≤45.0	APHA 23 rd Edition 20174500-B-NO ₃
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Mr.Akshay Khot)

Authorized Signatory
(Mr.Vipul Waghmare)

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TEST REPORT		Page 1 of 1	
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/48-981/2022-23
		Report Date	01/12/2022
		Inward No	11-224
		Inward Date	24/11//2022
Sample Testing Location	Laboratory	Analysis Start date	25/11/2022
Sample Detail	Well Water-Nivruti Dhobale (west)	Analysis End date	01/12/2022
Sample Collected By	Party	Sample Condition	Fit For Analysis
		Sample Volume	2250 ml

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.73	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	1747	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	8.47	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1057	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	112	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	479	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	386	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	59.4	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	57.0	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	199	≤200	APHA23 rd Edition 20174500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	12.0	≤45.0	APHA 23 rd Edition 20174500-B-NO ₃
14.	Iron as Fe	mg/lit	0.02	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Mr.Akshay Khot)

Authorized Signatory
(Mr.Vipul Waghmare)

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TEST REPORT		Page 1 of 1	
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/48-980/2022-23
		Report Date	01/12/2022
		Inward No	11-223
		Inward Date	24/11/2022
Sample Testing Location	Laboratory	Analysis Start date	25/11/2022
Sample Detail	Well Water-Pandurang Walse South	Analysis End date	01/12/2022
		Sample Condition	Fit For Analysis
Sample Collected By	Party	Sample Volume	2250 ml

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.52	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	1528	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	8.62	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	657	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	72.0	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	266	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	327	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	51.5	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	47.5	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	62.2	≤200	APHA23 rd Edition 20174500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	5.94	≤45.0	APHA 23 rd Edition 20174500-B-NO ₃
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Absent	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

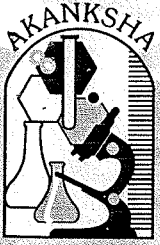
REMARK-

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Prepared by
(Mr.Akshay Khot)

Authorized Signatory
(Mr.Vipul Waghmare)

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TEST REPORT		Page 1 of 1
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No AL/TR/48-983/2022-23
Sample Testing Location Laboratory		Report Date 01/12/2022
Sample Detail Well Water-Yogesh Pingale North		Inward No 11-226
Sample Collected By Party		Inward Date 24/11/2022
		Analysis Start date 25/11/2022
		Analysis End date 01/12/2022
		Sample Condition Fit For Analysis
		Sample Volume 2250 ml

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.13	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	3184	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	8.42	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1040	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	112	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	479	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	406	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	59.4	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	61.8	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	192	≤200	APHA23 rd Edition 20174500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	11.9	≤45.0	APHA 23 rd Edition 20174500-B-NO ₃
14.	Iron as Fe	mg/lit	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

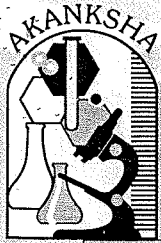
- ❖ As per Specified above analysis water sample is not within the desirable limits.
- ❖ Sample will be preserve for seven days after analysis.
- ❖ Above analysis results are related to sample as tested.
- ❖ All the test conducted at permanent location not at out source
- ❖ The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Mr.Akshay Khot)

Authorized Signatory
(Mr.Vipul Waghmare)

...End of test report...

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TEST REPORT

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NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/49-251/2022-23
		Report Date	30/12/2022
		Inward No	12-237
		Inward Date	26/12/2022
Sample Testing Location	Laboratory	Analysis Start date	27/12/2022
Sample Detail	South East -Borewell Water- Vishwanath Narhe	Analysis End date	30/12/2022
Sample Collected By	Party	Sample Condition	Fit For Analysis
Sample Volume	2250 ml		

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.35	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	1238	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.69	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	705	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	101	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	338	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	61.2	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	137	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	64.3	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	609	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	13.2	≤45.0	APHA 23 rd Edition 2017-4500-B-NO ₃
14.	Iron as Fe	mg/lit	0.02	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Absent	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- ❖ The above analysis water sample is not within the prescribed limits.
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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Mr. Akshay Khot)

Authorized Signatory
(Mr. Vipul Waghmare)

...End of test report...



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TEST REPORT		Page 1 of 1	
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/49-250/2022-23
		Report Date	30/12/2022
		Inward No	12-236
		Inward Date	26/12/2022
Sample Testing Location	Laboratory		
Sample Detail	Well Water-Popat Lole South-West	Analysis Start date	27/12/2022
Sample Collected By	Party	Analysis End date	30/12/2022
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.31	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	1552	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	8.91	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1009	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	85.4	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	440	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	368	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	76.8	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	42.2	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	609	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	13.0	≤45.0	APHA 23 rd Edition 2017-4500-B-NO ₃
14.	Iron as Fe	mg/lit	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Mr. Akshay Khot)

Authorized Signatory
(Mr. Vipul Waghmare)

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NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/49-254/2022-23
		Report Date	30/12/2022
		Inward No	12-240
		Inward Date	26/12/2022
Sample Testing Location	Laboratory		
Sample Detail	North West Borewell Water- Tanishka Mangal Karyalay	Analysis Start date	27/12/2022
Sample Collected By	Party	Analysis End date	30/12/2022
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.20	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	1784	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	9.14	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1010	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	52.6	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	470	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	208	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	43.2	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	24.0	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	211	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	11.4	≤45.0	APHA 23 rd Edition 2017 4500-B-NO ₃
14.	Iron as Fe	mg/lit	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Mr. Akshay Khot)

Authorized Signatory
(Mr. Vipul Waghmare)

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NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/49-249/2022-23
		Report Date	30/12/2022
		Inward No	12-235
Sample Testing Location	Laboratory	Inward Date	26/12/2022
Sample Detail	Well Water-Santosh Dhobale North-East	Analysis Start date	27/12/2022
Sample Collected By	Party	Analysis End date	30/12/2022
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.24	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	1580	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	8.78	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	745	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	50.6	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	268	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	242	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	57.6	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	23.5	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	90.0	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	3.85	≤45.0	APHA 23 rd Edition 20174500-B-NO ₃
14.	Iron as Fe	mg/lit	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Absent	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Mr. Akshay Khot)

Authorized Signatory
(Mr. Vipul Waghmare)

147 ...End of test report...



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NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/49-252/2022-23
		Report Date	30/12/2022
		Inward No	12-238
		Inward Date	26/12/2022
Sample Testing Location	Laboratory	Analysis Start date	27/12/2022
Sample Detail	Well Water-Balu Narhe South-East	Analysis End date	30/12/2022
Sample Collected By	Party	Sample Condition	Fit For Analysis
Sample Volume	2250 ml		

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.08	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	1689	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.74	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1203	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	104	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	346	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	614	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	146	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	59.5	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	91.1	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	13.2	≤45.0	APHA 23 rd Edition 2017-4500-B-NO ₃
14.	Iron as Fe	mg/lit	0.02	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Mr. Akshay Khot)

Authorized Signatory
(Mr. Vipul Waghmare)

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NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist - Pune-412406.		Report No	AL/TR/49-253/2022-23
		Report Date	30/12/2022
		Inward No	12-239
Sample Testing Location	Laboratory	Inward Date	26/12/2022
Sample Detail	Ghod River Water	Analysis Start date	27/12/2022
Sample Collected By	Party	Analysis End date	30/12/2022
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	1.40	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOS/cm	1247	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	10.04	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	811	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	53.6	≤250	IS3025(Part-32) RA 2009 / Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	312	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	212	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	33.6	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	30.7	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	211	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	5.20	≤45.0	APHA 23 rd Edition 2017 4500-B-NO ₃
14.	Iron as Fe	mg/lit	0.02	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

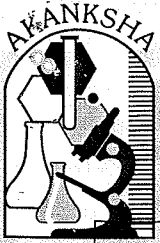
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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Mr. Akshay Khot)

Authorized Signatory
(Mr. Vipul Waghmare)

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NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/49-608/2022-23
		Report Date	07/02/2023
		Inward No	1-306
Sample Testing Location	Laboratory	Inward Date	30/01/2023
Sample Detail	Well Water-Raju sheth Dhobale(East side)	Analysis Start date	01/02/2023
Sample Collected By	Party	Analysis End date	06/02/2023
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.35	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	910	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	8.70	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	592	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	84.4	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	222	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	240	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	32.0	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	38.4	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	122	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	5.17	≤45.0	APHA 23 rd Edition 2017-4500-B-NO ₃
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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- ❖ Opinion and interpretation - Not applicable

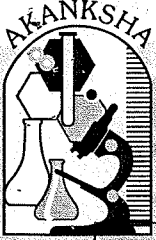
Prepared by
(Mr.Akshay khot)

Reviewed by
(Mrs.Dhanashri Thorat)

Authorized Signatory
(Mr.Vipul Waghmare)

150

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Page 1 of 1

NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/49-607/2022-23
		Report Date	07/02/2023
		Inward No	1-305
Sample Testing Location	Laboratory	Inward Date	30/01/2023
Sample Detail	Well Water-Vikram Walse (West side)	Analysis Start date	01/02/2023
Sample Collected By	Party	Analysis End date	06/02/2023
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.28	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	2926	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	8.42	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1902	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	92.3	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	296	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	482	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	27.2	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	99.4	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	529	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	11.3	≤45.0	APHA 23 rd Edition 20174500-B-NO ₃
14.	Iron as Fe	mg/lit	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

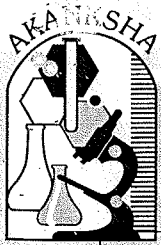
- ❖ The above analysis water sample is not within the prescribed limits.
- ❖ Sample will be preserve for seven days after analysis.
- ❖ Above analysis results are related to sample as tested.
- ❖ All the test conducted at permanent location not at out source
- ❖ The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Mr.Akshay khot)

Reviewed by
(Mrs.Dhanashri Thorat)

Authorized Signatory
(Mr.Vipul Waghmare)

...End of test report...



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NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/49-605/2022-23
		Report Date	07/02/2023
		Inward No	1-303
Sample Testing Location	Laboratory	Inward Date	30/01/2023
Sample Detail	Borewell Water -Namdev Dhobale (North Side)	Analysis Start date	01/02/2023
Sample Collected By	Party	Analysis End date	06/02/2023
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.20	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	1467	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.61	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	954	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	87.3	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	358	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	434	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	96.0	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	46.6	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	203	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	13.0	≤45.0	APHA 23 rd Edition 20174500-B-NO ₃
14.	Iron as Fe	mg/lit	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

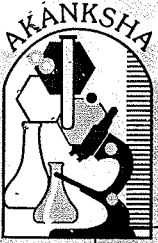
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- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Mr.Akshay khot)

Reviewed by
(Mrs.Dhanashri Thorat)

Authorized Signatory
(Mr.Vipul Waghmare)

...End of test report...



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NAME OF COMPANY & ADDRESS:		Report No	Page 1 of 1
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		AL/TR/49-606/2022-23	
		Report Date	07/02/2023
		Inward No	1-304
Sample Testing Location	Laboratory	Inward Date	30/01/2023
Sample Detail	Well Water -Popat Lole (South Side)	Analysis Start date	01/02/2023
Sample Collected By	Party	Analysis End date	06/02/2023
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.84	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	1761	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	8.43	6.5 to 8.5	IS 3025 (Part 11) RA 2012. Electrometric Method
6.	Total Dissolved Solids	mg/lit	1145	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	47.6	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	301	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	222	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	39.2	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	29.0	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	94.0	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	9.04	≤45.0	APHA 23 rd Edition 2017-4500-B-NO ₃
14.	Iron as Fe	mg/lit	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

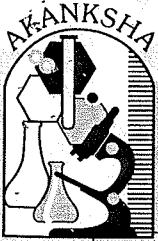
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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Mr.Akshay khot)

Reviewed by
(Mrs.Dhanashri Thorat)

Authorized Signatory
(Mr.Vipul Waghmare)

...End of test report...



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NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/49-604/2022-23
		Report Date	07/02/2023
		Inward No	1-302
Sample Testing Location	Laboratory	Inward Date	30/01/2023
Sample Detail	Borewell water -Ulas Chavan (South Side)	Analysis Start date	01/02/2023
Sample Collected By	Party	Analysis End date	06/02/2023
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.25	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	1778	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.49	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1156	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	158	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	339	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	500	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	112	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	52.8	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	426	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	13.0	≤45.0	APHA 23 rd Edition 2017 4500-B-NO ₃
14.	Iron as Fe	mg/lit	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Mr.Akshay khot)

Reviewed by
(Mrs.Dhanashri Thorat)

Authorized Signatory
(Mr.Vipul Waghmare)

...End of test report...



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NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/49-840/2022-23
		Report Date	02/03/2023
		Inward No	2-222
Sample Testing Location	Laboratory	Inward Date	24/02/2023
Sample Detail	Well Water -Raghunath Dhobale (South East)	Analysis Start date	25/02/2023
Sample Collected By	Party	Analysis End date	01/03/2023
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.58	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1843	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.78	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1198	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	123	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	364	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	632	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	126	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	75.9	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	151	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	13.1	≤45.0	APHA 23 rd Edition 20174500-B-NO ₃
14.	Iron as Fe	mg/lit	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- ❖ The above analysis water sample is not within the prescribed limits.
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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

P.P. Smolake
Prepared by
(Mr.Akshay khot)

Qradam
Reviewed by
(Mrs.Dhanashri Thorat)

Vipul
Authorized Signatory
(Mr.Vipul Waghmare)

155 ...End of test report...



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NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/49-841/2022-23
		Report Date	02/03/2023
		Inward No	2-223
Sample Testing Location	Laboratory	Inward Date	24/02/2023
Sample Detail	Borewell Water-Rohidas Dhobale (South West)	Analysis Start date	25/02/2023
Sample Collected By	Party	Analysis End date	01/03/2023
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

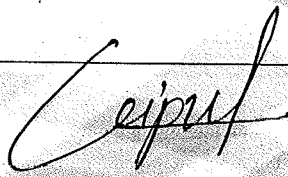
Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.29	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	2014	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.57	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1309	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	158	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	759	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	388	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	77.5	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	46.5	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	145	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	12.8	≤45.0	APHA 23 rd Edition 2017-4500-B-NO ₃
14.	Iron as Fe	mg/lit	0.02	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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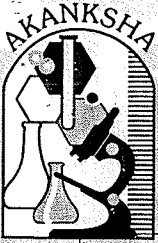
P.P. 
Prepared by
(Mr. Akshay khot)


Reviewed by
(Mrs. Dhanashri Thorat)


Authorized Signatory
(Mr. Vipul Waghmare)

...End of test report...

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NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/49-838/2022-23
		Report Date	02/03/2023
		Inward No	2-220
Sample Testing Location	Laboratory	Inward Date	24/02/2023
Sample Detail	Well water- Pravin Sabale (North East)	Analysis Start date	25/02/2023
Sample Collected By	Party	Analysis End date	01/03/2023
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.82	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	1846	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.81	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1200	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	83.3	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	396	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	673	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	134	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	80.8	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	157	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	13.0	≤45.0	APHA 23 rd Edition 20174500-B-NO ₃
14.	Iron as Fe	mg/lit	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and Interpretation - Not applicable

P.P. Sankhate
Prepared by
(Mr. Akshay Khot)

Gyadam
Reviewed by
(Mrs. Dhanashri Thorat)

Vipul
Authorized Signatory
(Mr. Vipul Waghmare)

...End of test report...



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TEST REPORT

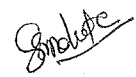
Page 1 of 1


NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/49-839/2022-23
		Report Date	02/03/2023
		Inward No	2-221
Sample Testing Location	Laboratory	Inward Date	24/02/2023
Sample Detail	Well Water -Suresh Giri (North West)	Analysis Start date	25/02/2023
Sample Collected By	Party	Analysis End date	01/03/2023
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

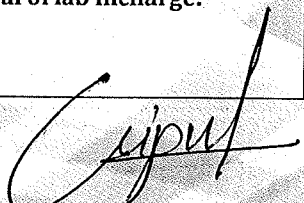
Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.12	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	2064	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.71	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1342	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	212	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	770	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	408	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	69.4	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	56.3	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	88.8	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	12.8	≤45.0	APHA 23 rd Edition 2017-4500-B-NO ₃
14.	Iron as Fe	mg/lit	0.03	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- ❖ The above analysis water sample is not within the prescribed limits.
- ❖ Sample will be preserve for seven days after analysis.
- ❖ Above analysis results are related to sample as tested.
- ❖ All the test conducted at permanent location not at out source
- ❖ The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

P.P. 
Prepared by
(Mr.Akshay khot)


Reviewed by
(Mrs.Dhanashri Thorat)


Authorized Signatory
(Mr.Vipul Waghmare)

...End of test report...



AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

TEST REPORT		Page 1 of 1	
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/49-842/2022-23
		Report Date	02/03/2023
		Inward No	2-224
Sample Testing Location	Laboratory	Inward Date	24/02/2023
Sample Detail	Well Water-Sameer karande (East Side)	Analysis Start date	25/02/2023
Sample Collected By	Party	Analysis End date	01/03/2023
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.48	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	2058	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	8.02	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1338	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	143	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/lit	417	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/lit	765	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	130	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	105	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄ ²⁻	mg/lit	142	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/lit	12.7	≤45.0	APHA 23 rd Edition 2017-4500-B-NO ₃
14.	Iron as Fe	mg/lit	0.03	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

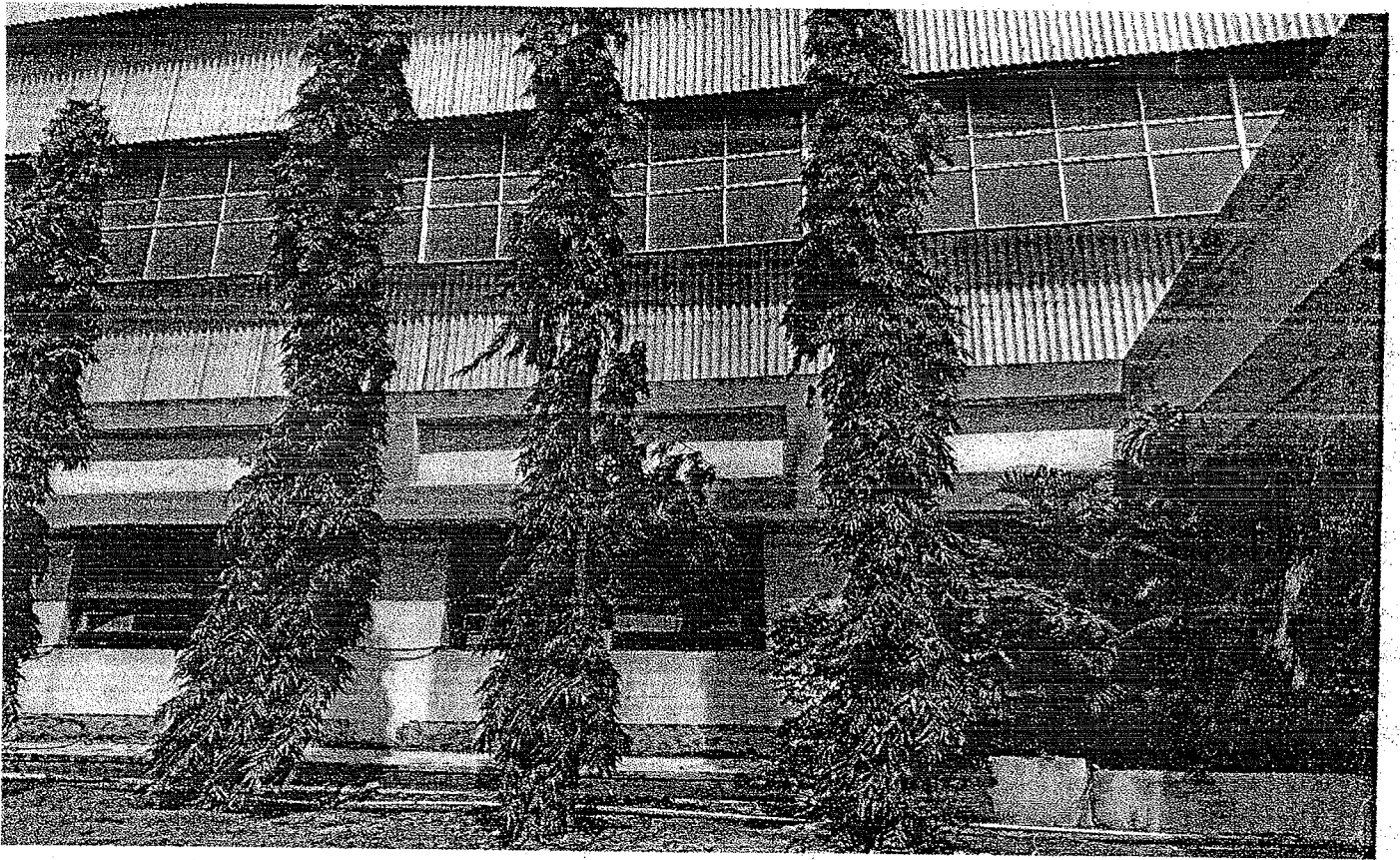
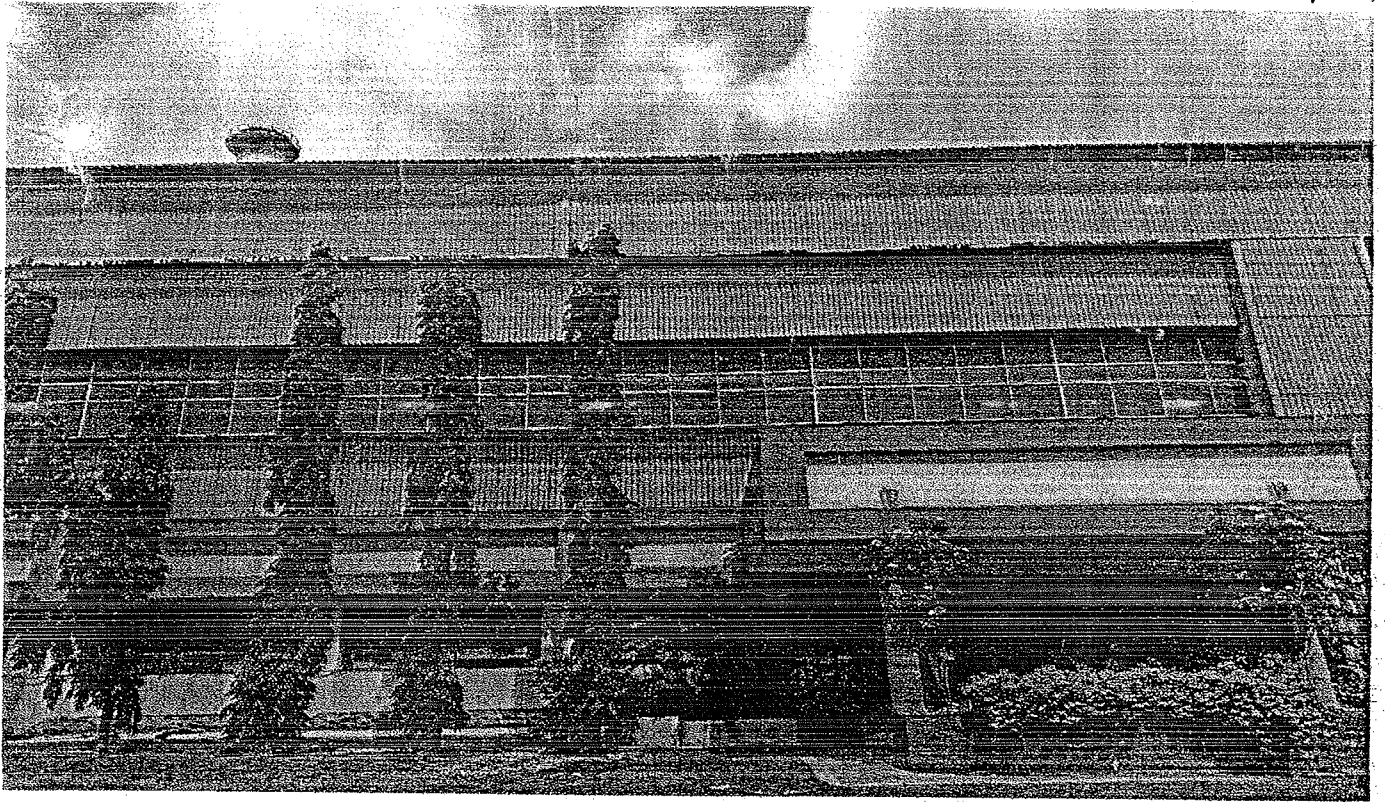
- ❖ The above analysis water sample is not within the prescribed limits.
- ❖ Sample will be preserve for seven days after analysis.
- ❖ Above analysis results are related to sample as tested.
- ❖ All the test conducted at permanent location not at out source
- ❖ The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

P.P. Somakate
Prepared by
(Mr.Akshay khot)

Qradam
Reviewed by
(Mrs.Dhanashri Thorat)

Vipul
Authorized Signatory
(Mr.Vipul Waghmare)

...End of test report...



2



वन परिक्षेत्र अधिकारी, मंचर(प्रा) यांचे कार्यालय
वनसावित्री उद्यान, अवसरी घाट तालुका आंबेगाव, जिल्हा पुणे

E- Mail rfomanchar@gmail.com



विषय - झाडांमधील अंतर प्रमाणित करून
मिळणेबाबत..

जा./क्र./संकिर्ण/ १७६८/२०१९ - २०

मंचर ४१०५०३ दिनांक - ०२/१३/२०१९

संदर्भ - भीमाशंकर सहकारी साखर कारखाना लि. दिनांक- २९/११/२०१९.

वरील विषयी वनपाल धामणी व वनरक्षक लाखनगाव यांनी भीमाशंकर सहकारी साखर कारखाना परिसरात व सभोवताली १९.५३ हे.क्षेत्रात ६५०२ वृक्ष लागवड केलेल्या सोबत दर्शविलेल्या यादीतील फळझाडे इ.आंबा,नारळ,चिकू,जांभुळ,सीताफळ,आवळा,फणस इ.वृक्षामधील सरासरी अंतर ९ ते १० मी असून इतर प्रजातीतील ३ ते ४ मी. आहे.

तसेच शोभेच्या झाडातील अंतर २ ते ३ मी. आहे.लागवड केलेल्या वृक्षातील अंतर योग्य आहे.

(योगेश एस.महाजन)

वनपरिक्षेत्र अधिकारी

मंचर.



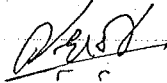
जाक्र/ताकृअ/ विस्तार/3६१५/२०१९
तालुका कृषि अधिकारी ,आंबेगाव
(घोडेगाव) दि. २ /१२ /२०१९

प्रति ,
मा.कार्यकारी संचालक ,
भिमशंकर सहकारी साखर कारखाना ,
पारगाव त.अवसरी बु .

विषय -- झांडामधील अंतर प्रमाणित करून मिळणेबाबत .
संदर्भ -- भिमशंकर सहकारी साखर कारखाना पारगाव त.अवसरी बु यांचे कडील
पत्र जाक्र /शेतकरी /२३८९/१९ दिनांक २७/११/१९.

उपरोक्त संदर्भीय विषयान्वये कळविण्यात येते की , भिमशंकर सहकारी साखर कारखाना
परिसरातील कार्यक्षेत्रामध्ये जास्तीत जास्त झाडे लावून परिसर हरीत करणेसाठी सोबत जोडलेल्या
यादीप्रमाणे १९.५३ हे.आर क्षेत्रात ६५०२ वृक्ष लागवड केलेबाबतचे सहपत्र प्राप्त झाले आहे.

सदर सहपत्राचे अवलोकन केले असता सोबतच्या दोन झाडांमधील अंतर संयुक्तीक असलेचे
प्रमाणित करणेत येत आहे.


तालुका कृषि अधिकारी
आंबेगाव (घोडेगाव) जि.पुणे

भीमाशंकर सहकारी साखर कारखाना लि., दत्तात्रयनगर

पारगाव तर्फे अवसारी बु.११., ता.आंबेगाव, जि.पुणे.

झाडांची नावे व अंतर तपशिल

अ.क्र.	झाडाची नावे	वृक्ष लागवड (संख्या)				प्रति वृक्ष आवश्यक अंतर (मी. X मी.)	प्रति वृक्ष (स्क्वेअर मी.)	वृक्ष लागवड क्षेत्र (हे.आर.)
		२०१७-१८ (पुर्वीची)	२०१८-१९	२०१९-२०	आज अखेर एकूण			
१	नारळ ६ मी	१७०	०	०	१७०	५ X ५	२५	०.४३
२	आंबा	१९	१०५	५५	१७९	१० X १०	१००	१.७९
३	चिक्कु	५८	०	०	५८	९ X ९	८१	०.४७
४	आवळा	३	५	०	८	६ X ६	३६	०.०३
५	फणस	७	०	०	७	८ X ८	६४	०.०४
६	कागदी लिंबू	२२	०	०	२२	५ X ५	२५	०.०६
७	सिताफळ	१३९	०	०	१३९	४ X ४	१६	०.२२
८	पेरू	२९	०	०	२९	६ X ६	३६	०.१०
९	जांभूळ	२८	०	२५	५३	६ X ६	३६	०.१९
१०	चिच	७	४०	६५०	६९७	८ X ८	६४	४.४६
११	डालीब	५	०	०	५	४ X ४	१६	०.०१
१२	कोठ	६	०	०	६	६ X ६	३६	०.०२
१३	बोर	११	०	०	११	४ X ४	१६	०.०२
१४	गुलमोहर ८ मी	२३	५०	०	७३	८ X ८	६४	०.४७
१५	रेनट्री १० मी	१६	११०	०	१२६	८ X ८	६४	०.८१
१६	बॉटल पाम	२४१	२२	५०	३१३	५ X ५	२५	०.७८
१७	फिलोशिया पाम	१४	३	०	१७	५ X ५	२५	०.०४
१८	साप्तपर्णी	५२	४८	०	१००	८ X ८	६४	०.६४
१९	पित्त मोहर	१७	५६	०	७३	८ X ८	६४	०.४७
२०	वड	१२०	६	०	१२६	१० X १०	१००	१.२६
२१	अर्जुन	२९	२०	०	४९	८ X ८	६४	०.३१
२२	सिल्वर ओक	६	०	०	६	५ X ५	२५	०.०२
२३	काशिद	३५	३५	१०५	१७५	८ X ८	६४	१.१२
२४	सिसम	१२५	२०	०	१४५	८ X ८	६४	०.९३
२५	पिपळ	१७	०	०	१७	८ X ८	६४	०.११
२६	फायकस	०	५०	०	५०	४ X ४	१६	०.०८
२७	बांबू	१२	०	०	१२	४ X ४	१६	०.०२
२८	करंज	३३	०	९०	१२३	८ X ८	६४	०.७९
२९	बॉटल ब्रश	१९	०	०	१९	४ X ४	१६	०.०३
३०	कडुलिंबू	२००	०	९५	२९५	६ X ६	३६	१.०६
३१	बदाम	३०	०	०	३०	६ X ६	३६	०.११
३२	सुरु	३१	०	०	३१	६ X ६	३६	०.११
३३	अशोक	९९	०	०	९९	४ X ४	१६	०.१६
३४	स्पॅथोडिया	०	०	०	०	८ X ८	६४	०.०४
३५	काचन (आपटो)	३९	०	१००	१३९	८ X ८	६४	०.८९
३६	सोनचाफा	५	०	०	५	४ X ४	१६	०.०१
३७	पांढरा चाफा	२१	०	०	२१	४ X ४	१६	०.०३
३८	उंबर	११	०	०	११	८ X ८	६४	०.०७
३९	निलगिरी	३४	०	०	३४	३ X ३	९	०.०३
४०	रामफळ	१४	०	०	१४	५ X ५	२५	०.०४
४१	सुबामळ	२१३	०	०	२१३	४ X ४	१६	०.३४
४२	शेवगा	१४	०	०	१४	३ X ३	९	०.०१
४३	अंजीर	२	०	०	२			
४४	पांगारा	३	०	०	३			
४५	चंदनी	७	०	०	७	४ X ४	१६	०.०१
४६	भेंडी	४	०	०	४	३ X ३	९	०.००
४७	बाभुळ	६४	०	०	६४	६ X ६	३६	०.२३
४८	भोकर	१	०	०	१			

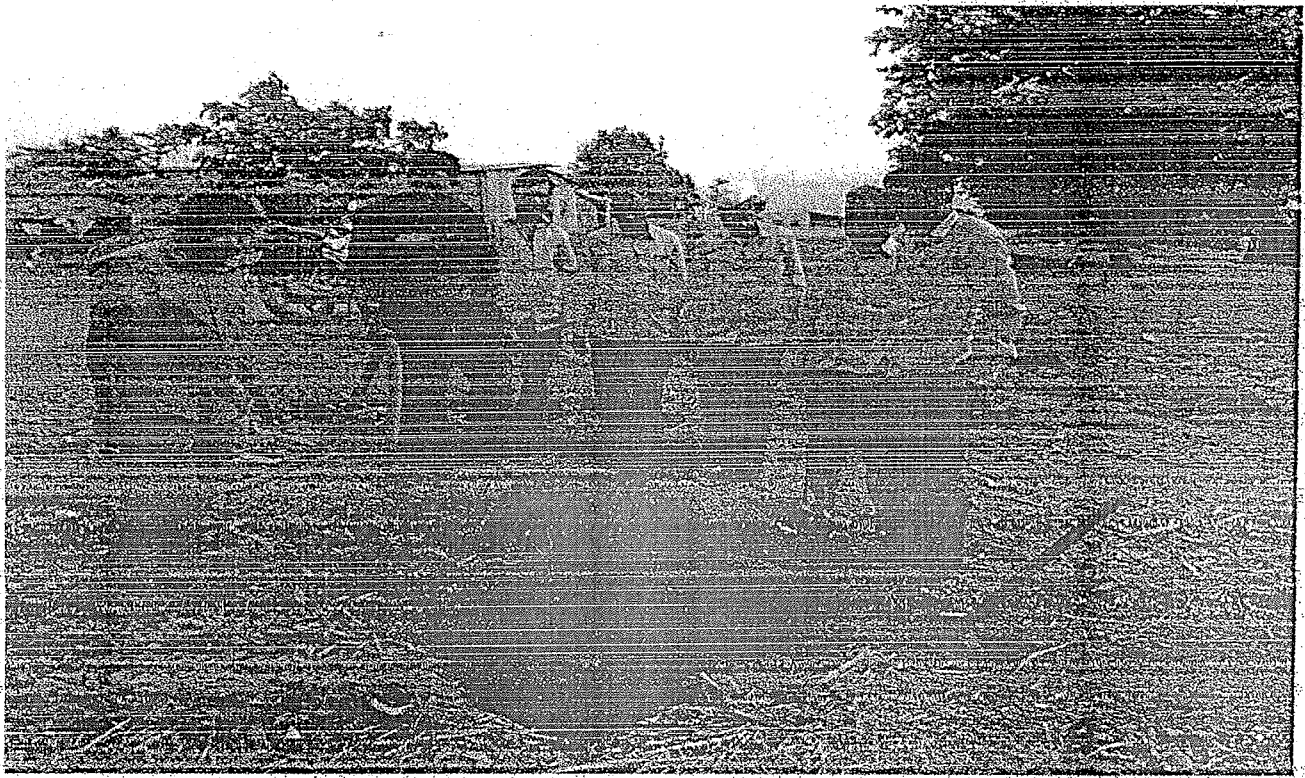
अ.क्र.	झांडाची नावे	वृक्ष लागवड (संख्या)				प्रति वृक्ष आवश्यक अंतर (मी. X मी.)	प्रति वृक्ष (स्क्वेअर मी.)	वृक्ष लागवड क्षेत्र (हे.आर)
		२०१७-१८ (पुर्वीची)	२०१८-१९	२०१९-२०	आज अखेर एकूण			
४९	पपई	८	०	०	८	३ X ३	९	०.०१
५०	बेल	३	०	०	३	६ X ६	३६	०.०१
५१	शेवरी	१२	०	०	१२	४ X ४	१६	०.०२
५२	देवदार	२७	०	०	२७	८ X ८	६४	०.१७
५३	हिमालया	२	०	०	२			
५४	बकवान	४	०	०	४			
५५	चेडुफळी	१	०	०	१			
५६	येहळा	२	०	०	२			
५७	पिवकारी	३६	०	०	३६	२ X २	४	०.०१
५८	सायर	५	०	०	५			
५९	करवंद	२	०	०	२			
६०	हिरडा	०	०	२५	२५	५ X ५	२५	०.०६
	एकूण	२१६३	५७०	११९५	३९२८			१९.१४
	बुशेस							
६१	जास्वंद	२८	०	०	२८	२ X २	४	०.०१
६२	तगर पांढरा	७१	०	०	७१	२ X २	४	०.०३
६३	बोगन वेल	४०२	०	०	४०२	२ X २	४	०.१६
६४	मोरपंखी	१३	०	०	१३	२ X २	४	०.०१
६५	रातराणी	३	०	०	३			
६६	प्राजक्ता	२	०	०	२			
६७	खिसमस	२	०	०	२			
	एकूण	५२१	०	०	५२१			०.२१
	फुलझाडे/ शोभेची झाडे							
६८	गुलाब	८८	०	०	८८	२ X १.५	३	०.०३
६९	लिली	४३	०	०	४३	२ X १.५	३	०.०१
७०	क्रोटॉन	५०	०	०	५०	२ X १.५	३	०.०२
७१	गोल्डन डोरांटा	५३८	०	०	५३८	१.५ X १.५	०	०.००
७२	लॅन्टीना व्हेरीगेटेड	८५	०	०	८५	१.५ X १.५	२.२५	०.०२
७३	क्रिपरवडेलिया	१००	०	०	१००			
७४	हिमेलिया	६३	०	०	६३	१.५ X १.५	२.२५	०.०१
७५	मोगरा	१२	०	०	१२	१ X १	१	०.००
७६	आबोली	३	०	०	३			
७७	कॅलेंडरा	२१२	०	०	२१२	१ X १	१	०.०२
७८	अॅकॅलीफा	२३०	०	०	२३०	१ X १	१	०.०२
७९	डबल तगर	५८	०	०	५८	१ X १	१	०.०१
८०	अॅलमेंडा	४१	०	०	४१	१ X १	१	०.००
८१	साबर कांडी	३०	०	०	३०	१ X १	१	०.००
८२	रेवीन ग्रास	७५	०	०	७५	१ X १	१	०.०१
८३	मंकी ग्रास	२५	०	०	२५			
८४	केना	५०	०	०	५०			
८५	एक्यालिफा	३५०	०	०	३५०	१ X १	१	०.०४
	एकूण	२०५३	०	०	२०५३			०.१९
	एकूण एकंदर	४७३७	५७०	११९५	६५०२			१९.५३

Mulade
27/11
मुख्य विकास अधिकारी

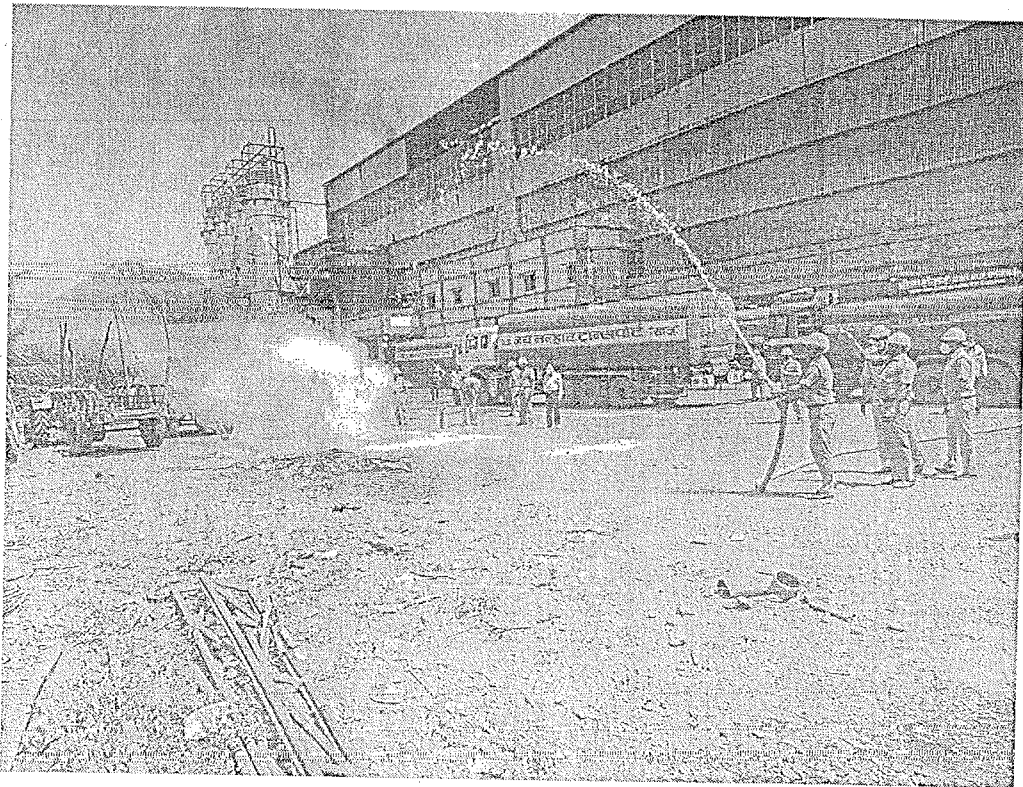
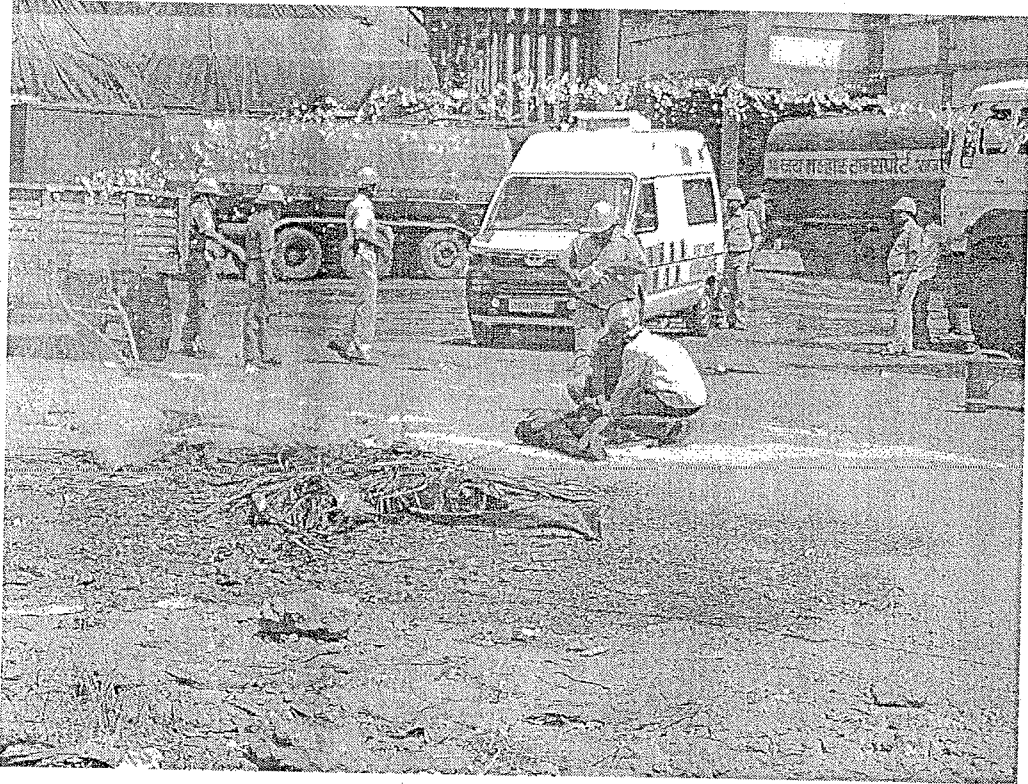
मुख्य शेती अधिकारी

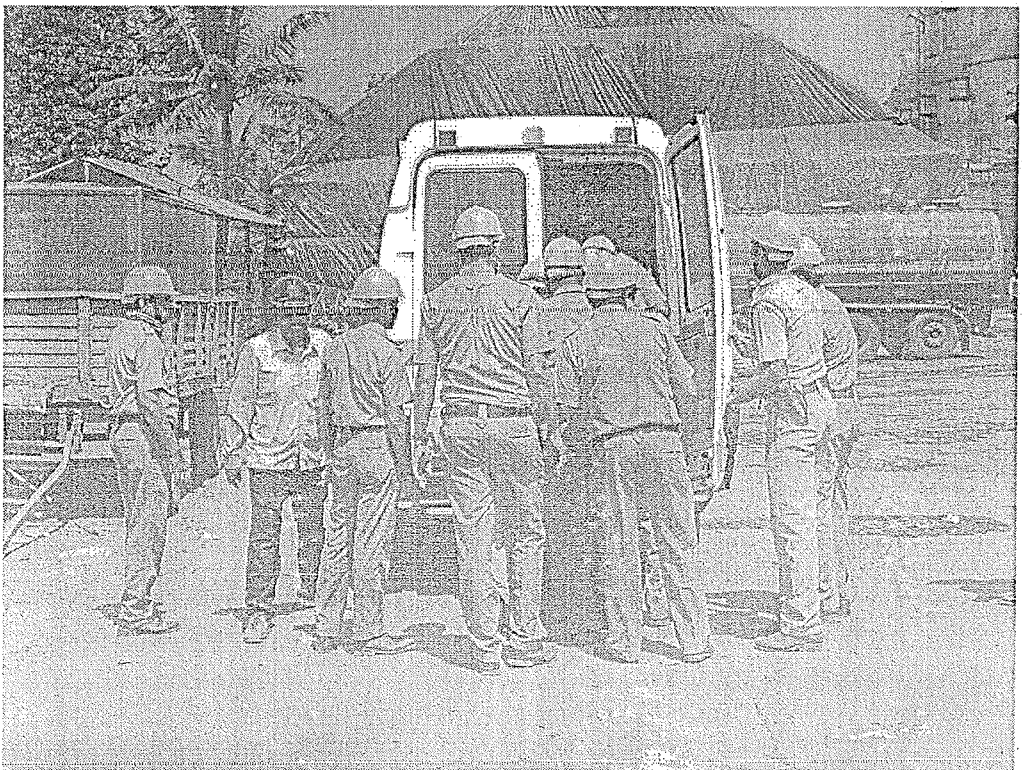
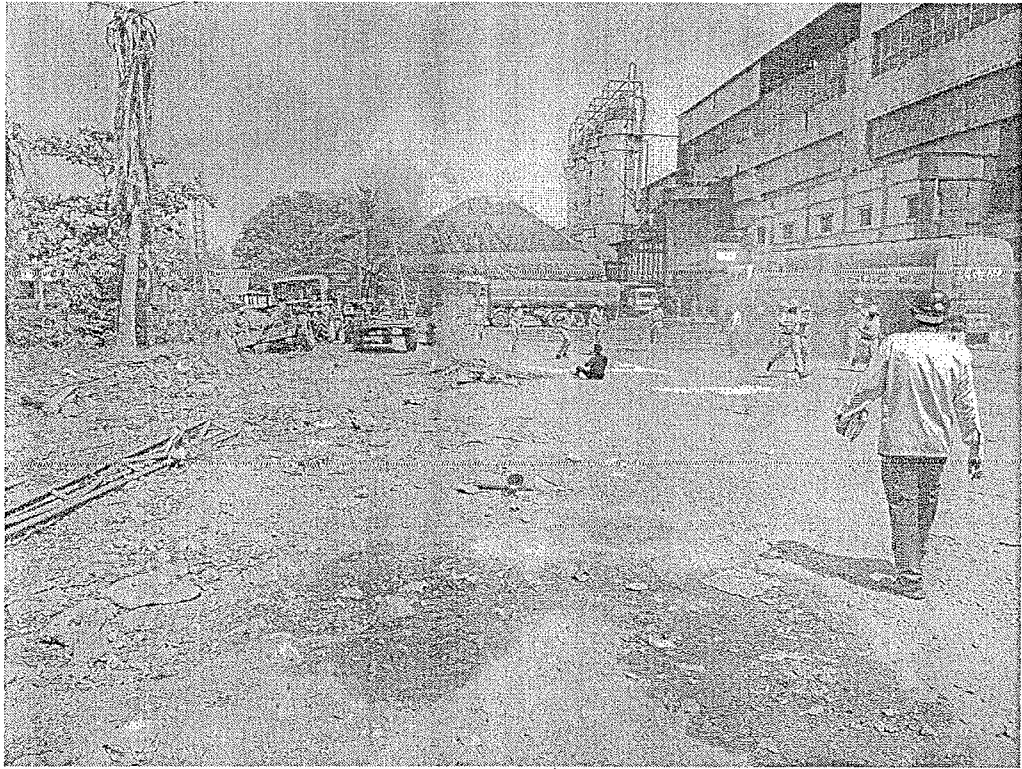
कार्यकारी संचालक

त्रालुका कृषि अधिकारी
आंबेगाव (घोडेगाव), जि.पुणे











प्रभात पुणे, सोमवार, दि. 3 डिसेंबर २०१८

भीमाशंकर सहकारी साखर कारखाना लि

दत्तात्रयनगर, पारगाव तर्फे अवसर, बु. ता. अविगाव, जि. पुणे - ४११०६
फोन नं. (०२०२२३) २२४६२४४, २२४६२४६ मो. क्र. ९९९९६६६६६

जाहीर सूचना

या जाहीर सूचनाद्वारे कळविण्यात येते की, मी राज्य आयात श्राविकणा, महाराष्ट्र शासन, मंत्रालय, अर्थकट्टे मध्ये भीमाशंकर सहकारी साखर कारखाना लि. दत्तात्रयनगर, पारगाव तर्फे अवसर, बु. ता. अविगाव, जि. पुणे यांना निवडित २५०० मे. टन वॉल्यूम ६००० मे. टन वॉल्यूम क्षमता वाढविण्यास पर्यावरणीय मंजूरी मिळाली आहे. सदर मंजूरीचे पत्र पर्यावरण विभाग, महाराष्ट्र शासनाच्या <http://ec.maharashtra.gov.in> मकेतस्थळा उपलब्ध आहे.

सदर जाहीर सूचना ही पर्यावरणीय मंजूरीतील सामान्य अटीची पूर्तता करण्यासाठी देण्यात येत आहे.

कार्यकारी संचालक

TUESDAY DECEMBER 4 2018

Sakal Times



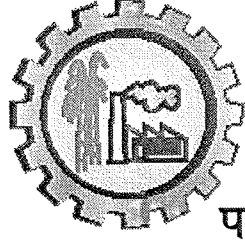
BHIMASHANKAR SAHAKARI SAKHAR KARKHANA LTD.

Dattatraynagar, Pargaon, Vidya Vasari Bk., Tal. Ambegaon, Dist. Pune.
Phone No. (02133) 284241-284270; Mobile No. 9975568130

PUBLIC NOTICE

The State Environment Impact Assessment Authority, Government of Maharashtra, Mumbai has sanctioned Environmental Clearance to M/s. Bhimashankar Sahakari Sakhar Karkhana Ltd. At Dattatraynagar, Pargaon, Tal. Ambegaon, Dist. Pune for proposed expansion of Sugar plant from 2500 to 6000 TCD. The Environmental Clearance is granted under the provision of EIA notification 2006. The copy of environmental clearance is available on Maharashtra Pollution Control Board website <http://ec.maharashtra.gov.in>. This advertisement is published according to the general conditions specified in the Environmental Clearance.

Managing Director



पर्यावरण विभाग

Marathi

English
Marathi

आमच्या विषयी

विभाग

यश

उत्पादने

सामाजिक उपक्रम

गॅलरी

करीयर

अहवाल

निविदा

शेतकरी पोर्टल

ऊस विकास उपक्रम

स्वतंत्र ऊस विकास विंग

VSI आणि CSRC Padegaon पासून सुधारित ऊस बियाणे वाण पुरवठा देखील शेतक-यांना वाजवी दर शेतीसाठी लागणारे साहित्य म्हणजे रासायनिक खते, कीटकनाशके कीटकनाशक पुरवठा.

तसेच माती आणि पाणी परीक्षण प्रयोगशाळा सुसज्ज.

45to95 KLPD Disti.EC Com.Dt.01.07.2022 to31.12.2022

19to29 MW Co-gen.EC Com.Dt.01.07.2022 to31.12.2022

2500 TCD to 6000 TCD EC Com Dt.01.07.2022 to 31.12.2022

45-95 KLPD Distillery EC Letter

Akanksha Lab Report Season 2021-22

Environment Statement 01 Apr 2021 to 31 Mar 2022

2500 to 6000 TCD Sugar EC Compliance 01 Jan 2022 to 30 Jun 2022

45KLPD Distillery EC Compliance 01 Jan 2022 to 30 Jun 2022

19 MW Co-Gen EC Compliance 01 Jan 2022 to 30 Jun 2022

EC 19 TO 29MW Cogen

6000 TCD EC Compliance (1st July 2021 to 31 Dec 2021)
45 KLPD Distillery EC Compliance (1st July 2021 to 31 Dec 2021)
19 MW Co-Gen EC Compliance (1st July 2021 to 31 Dec 2021)
2500 to 6000 MT Sugar EC Comp(01.01.2021 to 30.06.2021)
45 KLPD Dist EC Comp(01.01.2021 to 30.06.2021)
19 MW Co-gen EC Comp (01.01.2021 to 30.06.2021)
Akanksha Lab & On line Monitoring Report Season 2020-21
Environment Statement 2020-21
Environment Statement 2019-20
19 MW Co-Gen EC Compliance Report (1st Jun 2020 to 31st Dec 2020)
45 KLPD Distillery EC Compliance (1st Jun 2020 to 31st Dec 2020)
Sugar 2500TCD To 6000TCD EC Compliance (1st Jun 2020 to 31st Dec 2020)
Akanksha Lab Report (Water,Air,Stack-Season 2019-20)
45 KLPD Distillery Environmental Clearance
Six Monthly Compliance Report 6000 TCD Sugar Unit (1 st January 2020 to 30 June 2020)
Six Monthly Compliance Report 19 MW Co-gen,(1st January 2020 to 30 June 2020)
On Line Monitoring report 2019-20
Environment Statement (1st April 2019 to 31st March 2020)
Part B (19 Mw EC Compliance -01 July 2019 to 31st Dec 2019)
Part A (19 Mw EC complaince -01 July 2019 to 31st Dec 2019)
6000 M.T. E.C. Compliance (1st July to 31 st Dec.2019) Part B
6000 M.T. E.C. Compliance (1st July To 31st December 2019) Part A
19 MW Co-Gen E.C. MoEF Visit Compliance Report
MoEF Approved (Akanksha Lab) Analysis Report Season 2018-19
6000 M.T.Environmental Clearance
On -Line monitoring Report Season 2018-19
6000 MT EC Complince Jan.to Jun.2019
19 MW Co-gen. EC Compliance Jan. to July 2019
19 MW Co-generation Environment Clearance
19 MW Co-generation Non complaince Report 2018-19
Environmental Statement (Form-V) 2018-19



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2023

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000052566

Submitted Date

09-04-2023

PART A

Company Information

Company Name

Bhimashankar Sahakari Sakhar
Karkhana Ltd.

Application UAN number

0000092460

Address

Dattatraynagar, Pargaon Tarfe Awasari
Bk.

Plot no

-

Taluka

Ambegaon

Village

Pargaon Tarfe Awasari Bk.

Capital Investment (In lakhs)

28174.0100

Scale

Red

City

Pargaon Tarfe Awasari Bk.

Pincode

412406

Person Name

Mr.Chandrakant G.Dhage

Designation

Managing Director

Telephone Number

9975568130

Fax Number

0213328270

Email

bsskLtd@gmail.com

Region

SRO-Pune II

Industry Category

Red

Industry Type

R12 Sugar (excluding
Khandsari)

Last Environmental statement submitted online

yes

Consent Number

Format1.0/CC/UAN No.MPCB-
CONSENT-000014722777/CO/2211002122

Consent Issue Date

2022-11-25

Consent Valid Upto

2023-07-31

Establishment Year

2000

Date of last environment statement submitted

Jun 5 2022 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

Sugar

Consent Quantity

21600

Actual Quantity

20945

UOM

By-product Information

By Product Name

Bagasse

Consent Quantity

46800

Actual Quantity

46727.16

UOM

Molasses

7200

7823.18

Pressmud	7200	6104.76	
Co-Generation	19	19	Mwh

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	0.00	0.00
Domestic	96.00	69.00
All others	0.00	0.00
Total	1296.00	844.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	650	565	CMD

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

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Sugar	0	0.007	CMD

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

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Sugarcane	1201694.00	1076959	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Bagasse	46800	48673	

Part-C

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

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged (Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
pH	7.4	7.0	00	5.5 to 9.0	Nil

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged (Mg/NM3) Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
SPM	118	105	00	105	Nil

Part-D

HAZARDOUS WASTES

1) From Process		Total During Previous Financial year	Total During Current Financial year	UOM
Hazardous Waste Type				
5.1 Used or spent oil		0.270	0.300	KL/A

2) From Pollution Control Facilities		Total During Previous Financial year	Total During Current Financial year	UOM
Hazardous Waste Type				
0		00	00	MT/A

Part-E

SOLID WASTES

1) From Process		Total During Previous Financial year	Total During Current Financial year	UOM
Non Hazardous Waste Type				
Boiler Ash		4010	3460	MT/A
ETP Sludge		2	4	MT/A

2) From Pollution Control Facilities		Total During Previous Financial year	Total During Current Financial year	UOM
Non Hazardous Waste Type				
-		00	00	MT/A

3) Quantity Recycled or Re-utilized within the unit				
Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM	
0	00	00	MT/A	

Part-F

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

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	0.300	KL/A	-

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Boiler Ash	3460	MT/A	-
ETP Sludge	4	MT/A	-

Part-G

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

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment (in Lacs)	Reduction in Maintenance (in Lacs)
Trade Effluent	6.20	507	13	1350	2.70	0.30

Part-H

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

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection

Environmental Protection Measures

Capital Investment (Lacks)

1)Online Monitoring system for Effluent & Stack 2) Annual Maintenance of Effluent treatment plant

Control Air & Water Pollution

3.15

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection

Environmental Protection Measures

Capital Investment (Lacks)

1)Plantation Programme 2) Annual Maintenance Contract for On Line Monitoring System

Tree plantation & Control Air & Water Pollution

1.5

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Adpot New technology for Air & Water Pollution

Name & Designation

Mr.Chandrakant G.Dhage -Managing Director

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000052566

Submitted On:

09-04-2023