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
Tel.Fax:(02133)284241, 284270, 9975568130 E-mail: bsskltd@gmail.com web site: www.bhimashankarssk.com, www.bsskl.sets.co.in

GSTIN : 27AAAABO949G1ZZ

BSSK/Mfg/ 1474 /2022-23 **By Mail** Date: - 09 /07/2022

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.- **eccompliance-mh@gov.in.**

Sub- Submission of Six Monthly EC Compliance Report.
(1st Jan. 2022 to 30 June 2022)
Ref- SIA/MH/IND2/44156/2018 Dt – 31/03/2020
E.C. received dt.23/07/2020

Dear Sir,

Factory has obtained environment clearance SIA/ MH/ IND2/ 44156/2018 on 31/03/2020 for 45 KLPD Distillery. (E.C. received dt.23/07/2020). However, factory has not yet started its erection work. Due to increase in cane crushing capacity to 6000 TCD in 2020-21, molasses availability will also increase. Therefore, considering molasses availability, management has decided to enhance distillery capacity from 45 KLPD to 95 KLPD within factory premises and applied for the grant EC for proposed expansion of distillery from 45 to 95 KLPD.

State Level Environment Impact Assessment Authority granted our ToR for expansion from 45 to 95 KLPD vide letter /file NO. SIA/ MH/ IND2/ 59337/ 2020, dt.24/12/2020. (Copy is Attached). As per TOR condition MPCB was conducted Public Hearing on 15th July 2021 in presence of District Collector. After Public Hearing Minutes of Meeting are incorporated in EIA Report and Final EIA Report submitted to SEAC- I on 28/03/2022. We are waiting for SEAC-I meeting.

But as Maharashtra SEAC-I does not have Chairman for the Committee, the issue is pending from last three months, resulting delay in getting Environmental Clearance.

We are eligible for financial assistance under Central Government Scheme for enhancement our distillery capacity from 45 to 95 KLPD. But due to No EC our Application of financial assistance is kept pending & asked to submit Environment Clearance as early as possible (Letter is attached for confirmation, Page No.110). In case of long Delay in getting EC, our

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
Tel.Fax:(02133)284241, 284270, 9975568130 E-mail: bsskltd@gmail.com web site: www.bhimashankarssk.com, www.bsskl.sets.co.in

GSTIN : 27AAAABO949G1ZZ

application may be rejected & Karkhana may suffer financial set back. Due to very lengthy procedure for getting EC from State Expert Appraisal Committee, we request you to recommend for appraisal our project at Central Level.

Yours Faithfully,

(C.G. Dhage)
Managing Director.

Encl-1) Environment Clearance Copy.
2) Part- A – Data Sheet.
3) Six Monthly EC Compliance report 4) Public hearing minutes of meeting.

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

Ann (1)

PARIVESH 8956

17/3/2021

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/IND2/44156/2018.
Environment Department
Room No. 217, 2nd Floor,
Mantralaya,
Mumbai- 400032.
Date: 31.03.2020

To
M/s. Bhimashankar Sahakari
Sakhar Karkhana Ltd (BSSKL),
Dattatrayanagar, A/P Pargaon Via
Awasari Bk, Tal. Ambegaon,
District: Pune

Subject : Environment Clearance for Proposed 45 KLPD Distillery Project at Dattatrayanagar, A/P Pargaon Via Awasari Bk, Tal. Ambegaon, District: Pune, Maharashtra by Bhimashankar Sahakari Sakhar Karkhana Ltd (BSSKL)

Reference : SIA/MH/IND2/44156/2018.

This has reference to your communication on the above mentioned subject. The proposal was considered by the SEAC-I in its 177th meeting under screening category 5(g) Distillery as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 192nd meeting of State Level Environment Impact Assessment Authority (SEIAA).

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

- The ToR for proposed activity is granted by the EAC, MoEF&CC vide letter No. IA-J-11011/234/2018-IA-II(I) dated 16.08.2018 for 45 KLPD distillery unit. The PP has now submitted EIA/EMP report for appraisal. The Public Hearing was carried out on 03.07.2019 and is included in the EIA report.
- The total plot area is 58.67 Ha. The land required for the distillery will be 8.0 Ha. PP proposes EMP cost of Rs. 1023.30 Lakhs as capital cost and Rs. 64.95 lakhs as recurring cost for O&M of environmental infrastructures. The unit will be operated for 330 days/Year.
- PP proposes to manufacture following products.
  1.Rectified Spirit/ ENA/Ethanol – 45 KLPD
- PP informed that, the fresh water requirement will be 378 KLD which will be lifted from the Ghod River and 480 KLD treated waste water will recycled in the process. PP has obtianed water lifting permission from Irrigation Department.
- The trade effluent generation from proposed 45 KLPD distillery unit will be 421 KLD in the form of spent wash which will be treated in the MEE and further formed concentrated spent wash 87 KLD will be incinerated in the incineration boiler. Other effluent from the distillery (namely MEE condensate, spent less, cooling and boiler blow down, lab & washing) will be 480 KLD be treated in proposed CPU and will be fully reused in the process.
- PP further informed that, the estimated quantity of carbon do oxide generation is 18 MT/Day which will be cleaned, compressed and bottled and supplied to the manufactures of beverages etc.
- PP has provided Electrostatic Precipitator followed by bag filter with 60 meter stack height as air pollution control measures for existing 16 TPH boiler.
- The ash generated from 16 TPH incineration boiler will be given for brick manufacturing.

PM
C
1713

(1)

- PP also proposes to adopt measures like good housekeeping, sludge management in biological processes, steaming of major pipelines, regular use of bleaching powder etc. to control the odour problem.
- PP agreed to develop green belt over an area of 19.36 ha. (33% of total plot area) by planting 30000 nos. of indigenous trees.
- PP to plan and implement their CER fund to create sustainable infrastructure like clean drinking water, sanitation facilities , solar energy in the Z.P. Schools/ Primary Health Centres in the study area of the project in consultation with the District Authority.

3. The proposal has been considered by SEIAA in its 192nd meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

I. PP to undertake bottling of carbon dioxide gas generated in the process. PP to ensure that, no carbon di oxide will be emitted to the atmosphere.
II. PP to provide sewage treatment plant for the treatment of domestic sewage generated within the factory and residential colony of the factory.
III. PP to carry out physio chemical analysis of the ETP sludge and obtain approval from the Agriculture Department for its suitability to be used as manure.
IV. PP to ensure close storage of all the raw material and waste material so as to avoid odour nuisance.
V. As per point No. 3 x(b) of the Standard ToR , PP to submit to the SEIAA a copy of point wise compliance of the consent conditions to be obtained from the Maharashtra Pollution Control Board.
VI. PP to undertake sugarcane productivity enhancement program so as to increase per hector yield of sugarcane in the factory area.
VII. PP to ensure that revised CER plan gets approved from District Collector.

General Conditions:

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 programmers 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 achieve.
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 analysed 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 confirm 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.

XV. 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.

XVI 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.

XVII. A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

XVIII. 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.

XIX. 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://parivesh.nic.in.

XX. 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.

XXI. 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.

XXII. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO2, NOx (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.

XXIII. 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.

XXIV. 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.

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, amended time to time.
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.

Anil Diggikar
(Member Secretary, SEIAA)

Copy to:

1. Shri Johny Joseph, Chairman, SEIAA.
2. Secretary, MoEF & CC
3. IA- Division MOEF & CC
4. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
5. Regional Office MoEF & CC, Nagpur
6. District Collector, Pune.
7. Regional Officer, Maharashtra Pollution Control Board, Pune.

Ann(2)

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**	Bhimashankar Sahakari Sakhar Karkhana Ltd.Dattatrayanagar,Pargaon Tarfe Awasari Bk.,Tal_Ambegaon Dist-Pune Pin- 412406
3	**Clearance letter(S)/OM No. and Date**	SIA/MH/IND2/44156/2018 Dt – 31/03/2020 E.C. received dt.23/07/2020
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.-99755568130, 8888846990.
6	**Salient Features**	
	a) of the Project	This Distillery unit situated at Dattatrayanagar.
	b) of the Environmental Management Plans	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-586796 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. Population is 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- 6278.70Lakhs.
(b)	Allocation made for environmental management plans with item wise and year wise breakup	Project work is not yet initiated.

c)	Payback Period	----
d)	Whether (c) includes the cost of environmental management as shown in the above	For Tree Plantation – 2020-21 – 15 Lakh 2021-22 – 15 Lakh
e)	Actual expenditure incurred on the project so far	Project work not yet initiated.
f)	Actual expenditure incurred on the environmental management plans so far.	14.50 Lakh on Environment management.
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)	Planned
a)	Date of commencement (Actual & / or Planned)	Planned in April 2022.
b)	Date of completion (Actual & / or Planned)	Expected up to October 2023
13	Reasons for the delay if the project is yet to start	Factory has received environment clearance on SIA/ MH/ IND2/ 44156/2018 dt.31/03/2020 for 45 KLPD Distillery. (E.C. received dt.23/07/2020). However, factory has not yet started its erection work. Due to increase in cane crushing capacity to 6000 TCD in 2020-21, molasses availability will also be increase. Therefore, considering molasses availability, management has decided to enhance distillery capacity from 45 KLPD to 95 KLPD. As per SEAC-1, TOR Public hearing was taken on 15/07/2021 and Final EIA Report is submitted to SEAC-1 on 28th March 2022. We are waiting for Meeting and further procedure.
14	**Dates of the site visits-** The dates on which the project was monitored by the Regional Office on previous occasions, if any.	Mr.Suresh Kumar Adappa (Scientist D), MoEF, Regional Office, Nagpur visited on date 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 notices of pollution department. We are regularly monitoring both air & water data as per CPCB guidelines & parameters are within limit.

(Process Manager)
Bhimashankar Sahakari Sakhar Karkhana Ltd
Datta Nagar, Tal. Junnar, Dist. Pune - 412 409

EC Compliance Conditions

Con. No	Condition	Compliance
Specific conditions-		
I	PP undertake bottling of Carbon dioxide gas generated in the process. PP to ensure that, no carbon dioxide will be emitted to the atmosphere .	18 TPD Co_2 Bottling plant will be provided for process generated Carbon dioxide bottling as per specification attached .(Ann.I- Page 14 to 20)
II	PP to provide sewage treatment plant for the treatment of domestic sewage generated within the factory and residential colony of the factory.	Sewage treatment plant of 100KLD capacity will be provided for the treatment of domestic sewage as per specification attached .(Ann.II- Page 21 to 32)
III	PP carry out physiochemical analysis of the ETP sludge and obtain approval from the Agriculture Department for its suitability to be used as manure.	We will carry out Physio chemical analysis of the CPU sludge and obtain approval from the agriculture department for its suitability to be used as manure.
IV	PP to ensure close storage of all the raw material and waste material so as to avoid odour nuisance .	Anticipated odor generation sources will be molasses, fermentation unit, spent wash, ETP septic tank, Yeast storage & ETP sludge. Following control measures will be implemented to avoid the odor in the atmosphere. -Better House keeping - Process is under closed conditions. -Spent wash from evaporation will be stored in RCC tank and directly send to the incineration in boiler. -No bio-methnation will be adopted -Fermentation unit will be provided with proper cover to avoid the spread of odor and regular steaming of all fermentation equipment's, temperature will be kept under control during fermentation to avoid inactivation/killing of yeast, staling of fermented wash would also be avoided.

V	As per point No.3x (b)of the Standard ToR, PP to submit to the SEIAA a copy of point wise compliance of the consent conditions to be obtained from the Maharashtra Pollution Control Board.	Consent Compliance Certificate from SRO, MPCB, Pune is Attached. (Ann.III – Page 33 to 35)
VI	PP to undertake sugarcane productivity enhancement program so s to increase per hector yield of sugarcane in the factory area.	Karkhana has given consultancy to Vasantdada Sugar Institute to help and to provide the technical guidance to the farmers for crop development, soil health care, good irrigation practices. Till to date 47 different awareness program has been taken regarding sustainable farming, increasing productivity, good agricultural practices etc. Following activities were undertaken for Sugar cane productivity enhancement program to increase per hector yield of sugarcane in the factory area. -Training programme, Melave and tours for farmers -Provided good quality sugarcane seed to farmers. -Provided pesticide and insecticide for seed treatment. -Subsidy for organic manure and micro nutrients. -Subsidy for soil and water testing. -Provided compost to farmers in minimum prize. -Implemented scheme of Micro irrigation-by giving subsidy & interest free loans. - Organized Competition – Season wise, individual And villages wise to increase per acre yield.
VII	PP to ensure that revised CER plan gets approved from District Collector.	The revised CER plan will be approved from the District Collector before starting the Distillery.
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 will be no increase in the effluent load to ETP.

II	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.	We are agree, No additional land will be acquired /used for any activity without pollution Board 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.	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. The Factory has taken all workers the mediclaim policies to take care of the health of the workers. (Photographs Attached. Ann.-IV, Page No.36).
IV	Proper Housekeeping programmers shall be implemented.	We will maintain 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 will immediately stop the Boiler operation & restart after activation of pollution controlling device. We shall 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).	Standard stack height will be provided for New D.G.set.
VII	A detailed scheme for rain water harvesting shall be prepared and implemented to recharge ground water.	Rain water harvesting plan is prepared and implemented to recharge ground water.
VIII	Arrangement shall be made that effluent and storm water does not get mixed.	We have arranged of proper drainage for storm water & effluent & there is no mixing of waste water & storm water in the new plant.
IX	Periodic monitoring of ground water shall be undertaken and result analyzed to ascertain any change in the quality of water. Result shall be	This is our routine practice. Ground Water Monthly Analysis Reports are attached (Ann.V – Page No.37 to 56).

	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.	We will provide Noise proof cabins to operators wherever possible. Also will provide ear plugs to employees.
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.	We will have followed noise controlling measures as per EMP. Present Noise Level Monitoring Reports are attached (Ann.VI – Page No. 57 to 60).
XII	Green belt shall be developed &maintained around the plant periphery .Green belt development shall be carried out considering CPCB guideline including selection of plant species and in consultation with the local DFO/Agriculture Dept.	Tree Species are selected as per CPCB publication, MPCB circular and in consultation with Botanical Department of local Institute. (Photographs and Certificate issued by Regional. Forest Officer .Manchar and Taluka Agriculture Officer is Attached. Ann –VII, Pages 61 to 64)
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.	Adequate safety measures will be 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.

		The Factory has taken all workers the mediclaim policies to take care of the health of the workers.
XV	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). Authorization from the MPCB shall be obtained for collections /treatment/storages/disposal of hazardous wastes.	We regularly follow guidelines given by MPCB to CPCB.
XVI	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 Attached.VIII, Page No. 65 to 66)
XVII	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.
XVIII	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 July 2020, but work is not yet started. Meanwhile due to increase in cane availability and corresponding molasses availability management have decided to set up 95 KLPD Distillery instead of 45 KLPD Distillery. * For Environment Management Protection separate fund will be allocated. * Management is very committed for the same. * The funds earmarked for Environment will not be diverted to any other account head.
XIX	The project management shall advertise at least in two local newspapers widely circulated in the region	Karkhana published advertise of EC in local newspapers -

	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 http://parivesh.nic.in	1) Business Standard (English)– 28 July 2020 2) Punyanagari (Marathi) - 27July 2020 (Copy Attached Ann.IX, Page No.67 to 68)
XX	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 1st June&1st December of each calendar year.	Submitting regularly.(Mail Copy Attached-Ann.X)
XXI	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 is displayed on website. (Website Screen shot is attached. Ann. XI, Page No.69)
XXII	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. SO2, NOx (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 .

XXIII	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.
XXIV	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.	Submitting Regularly. (Annx. XI, Page No.71 to 74)

K. P Tijare
(Process Manager)
Shrimashankar Sahakari Sakhar Karkhana Ltd.
Dattatrayanagar, Pargaon Via - Awasari Kh
Tal:Ambegaon, Dist.Pune - 412 406

Specific conditions

SPECIFIC CONDITIONS:

1. PP to undertake bottling Plant of carbon dioxide gas generated in the process & will ensure no carbon di oxide will be emitted to the atmosphere.

Compliance:

Basis of Design

Clean carbon dioxide formed during molasses fermentation in the fermenters and duly scrubbed using fresh water in CO2 scrubber using fresh water to trap foam and recover entrained alcohol, forms the raw material for the carbon dioxide plant.

The following design basis and the equipment specifications shall be applied to the proposed CO2 Gas Production System.

- **CO_2 Production Rate – 18 TPD**
- **Power:** 415 Volt, 3 Phase, 50 Hertz
- Control: 24 Volts DC and/or 220 Volt, Single phase, AC, 50 Hertz
- Pressure Vessel Design: ASME Code for Unfired Pressure Vessels, Section VIII, Div. I, latest revision applicable
- Elevation at Plant Site: 500 MSL
- Electrical Design:.....National Electrical Code USA (NEC)
- Motors:.....Totally Enclosed Fan Cooled (TEFC)
- Motor Starters:.....22.4 kW (30 HP) & Over: Wye-Delta I
- Cooling Water: ..... closed circuit from and to cooling tower
- Supply Temperature:.....32. 2°C
- Wet Bulb:.....30 oC
- CO_2.....97.43%
- CO_2 Available At:.....0.23 Bar g. @ Minimum Purity of 96%

CO2 FROM ALCOHOL RECOVERY SCRUBBER IN THE FERMENTATION SECTION IS COLLECTED IN A BALLOON OF ABOUT 18 M3 CAPACITY and Low Pressure CO2 Gas Scrubber to remove water-soluble impurities in a highly efficient operation in a structured packing tower.Desin features of the tower are division shall have

- Scrubber Fully automatic operation.

- MOC is SS 304 shell, with SS internals
- STAINLESS STEEL liquid distributor.
- STAINLESS STEEL "Structured packing".
- Piping, valves, and make-up water flow indicator.
- STAINLESS STEEL demister as well as in-line moisture separator to prevent
- Water carryover to the balance of the system.

CO2 GAS BOOSTER COMPRESSOR

Capacity: 18 TPD

The booster draws feed CO2 gas from the alcohol recovery scrubber in the fermentation section and increases its pressure to overcome recovery piping and equipment pressure losses and deliver elevated suction pressure to the main CO2 Compressor. The booster is equipped with a Variable frequency Drive that is automatically modulated so as to maintain a constant pressure in fermenters even with changing CO2 production rates, to facilitate remote location of the balance of the CO2 recovery equipment and improve CO2 Compressor performance.

CO2 GAS COMPRESSION SYSTEM

Capacity: 18 TPD

CO2 Compressor is a compact, easily installed, durable and smooth running machine, non-lubricated (oil-free), two (2) stage, machine, specifically designed for use in CO2 applications where the slightest petroleum lubricant cannot be tolerated. It includes: "V" section belt drive assembly, flywheel, motor pulley, matched set of "V" belts and belt guard.

- STAINLESS STEEL intercooler and combination high pressure after cooler/ precooler complete with moisture separators and traps.
- Teflon piston rings and Teflon piston rod packing.
- STAINLESS STEEL cushioned valves for quiet, smooth valve action.
- Valves easily accessible for routine inspection/maintenance.
- Crankcase of high strength cast iron.

- Completely enclosed frame with oil tight/dust proof cover plates for easy access to interior.
- 3-step capacity control via valve unloading arrangement.
- supplied completely piped, assembled and wired.

HIGH PRESSURE CO2 GAS SCRUBBER – STAINLESS STEEL

Designed to perform with a high impurity removal efficiency due to use of once though potable water scrubbing. A continuously pumped feed of potable water, manually adjusted proportional to the CO2 collection rate, is evenly distributed over the top of a stainless steel structured packed bed. The water is collected in the sump and drained to sewer through an automatic level control valve. At the top of the tower the entrained moisture is removed in the demister pad and the CO2 exits the tower. A high pressure pump to be provided for high pressure water supply to scrubber.

CO_2 GAS PURIFIER/DEODORIZER

Capacity:.....18 **TPD**

The Pacifier-DEoderizer is a PSA type dual tower absorber unit. The CO_2 Purifier/Deodorizer is designed to remove impurities including dimethyl sulfide, alcohols, esters and ketones not fully removed in wet scrubbing.

- Dual tower arrangement - one tower operating while the other is regenerating.
- Stainless Steel construction.
- Initial charge of specially prepared activated carbon as deodorant.
- Stainless Steel piping and valves.
- Safety relief valves and pressure gauges.
- Full automation to allow for auto switchover of towers and operation of hot air regeneration equipment as per preset cycle time.
- Hot air reactivation system including air blower and heater *to allow for proper regeneration.)*
- Carbon dust filter at the exit of deodorizing tower assembly.

DUAL TOWER CO_2 GAS DEHYDRATOR

Capacity:.....18 **TPD**

Dual tower desiccant type dryer with internal reactivation dries the CO_2 gas, thereby eliminating the formation of frost and possible freeze-up in the CO_2 condenser and operates at about 19 ata, and comprises:

- Desiccant type, dual tower, electrically reactivated CO_2 Dehydrator to give a maximum outlet dewpoint % -62.2°C.
- Towers are automatically alternated on a dewpoint demand cycle with the off-stream tower being reactivated while the on-stream tower is drying the CO_2 gas.
- Automatic cycle time of reactivating, purging, and cool down.
- Coalescing prefilter on the inlet side of the CO_2 dehydrator to ensure liquid droplet-free CO_2 gas entering the desiccant beds.
- Desiccant Dust Afterfilter on the outlet side of the CO_2 dehydrator to ensure dust- free CO_2 condenser operation.
- Automatic on-line and Manual Dewpoint Tester to be provided.

CO_2 LIQUEFYING SYSTEM WITH STRIPPER COLUMN (NH3 refrigeration system)

Capacity:.....18 TPD

CO_2 Liquefying System comprises an ammonia-cooled, cascade type Co2 liquifier. The following equipment is to be provided:

CO_2 CONDENSER

- Flooded ammonia-type condenser.
- Complete with ammonia accumulator mounted on top of condenser.
- Complete with dual relief assembly for NH_3 side and single relief valve for CO_2 side.

ONE AMMONIA COMPRESSOR-

- Direct driven economized single stage NH_3 screw/ reciprocating compressor.
- Suction scale trap with removable strainer.
- Fully modulated automatic capacity control.
- Oil separator receiver with integral oil heaters and access port
- Suction and discharge stop check valves.
- Elapsed time meter.
- Pressure and temperature indicators for the lube and refrigeration circuits.
- Direct drive positive displacement type oil pump with filter (replaceable media)
- Water-cooled shell and tube oil cooler with automatic lube temperature control.

ONE AMMONIA CONDENSER

- shell and tube type heat exchanger complete with NH3 Suction accumulator.
- Complete with liquid level float control, manual by-pass and electric solenoid valve, and the required safety valves.

ONE AMMONIA RECEIVER

- Complete with mounting stands, ammonia valves, sight glass, and safety valves.
- Ammonia condenser shall be mounted above the ammonia receiver on a common structural steel base.

CO_2 CONDENSER - INSULATION MATERIAL:

- Supplied loose for mounting after all equipment is installed and pressure tested.
- Puf material furnished in precut, curved section along with accessories.
- For indoor or outdoor installation.

CONTROLS

- Control panel on NH_3 compressor with NH_3 suction and discharge pressure gauges, pressure switches, and relays.
- Master CO2 System "Y" Switch and Relays
- Safety controls for operation and equipment protection.

INTERCONNECTING PIPING

The necessary interconnecting CO_2 gas & liquid, NH_3 refrigerant, NH_3 relief vent, cooling water (supply and return), steam, effluent (discharge) and make-up water piping between all components described above is to be furnished.

IPLC BASED CONTROL SYSTEM

The PLC system shall be provided to remote control and monitoring of system operation utilizing Siemens S7 Programmable Logic Controller or equivalent. It should also have, inter-alia, following features:

Features;

- Touch screen operator interface.
- On-off equipment status.
- Temperature and pressure indication of key process variables.
- Data logging.
- Screen printout of status and alarms.
- Control of equipment via remote control panel.
- Junction boxes.

ELECTRICAL WIRING AND CONDUIT

The necessary electrical wiring, conduit and wireway between components and the customer supplied motor control center will be supplied. The amount of materials included may be based on all equipment being centrally located in accordance with vendor's requirement our, and in close proximity to the customer supplied motor control center.

AUXILIARY EQUIPMENT & CHEMICALS

- Dew point Tester for periodical check of the CO_2 Dehydrator performance.
- CO_2 Gas Purity Tester (manual) for periodical check of CO_2 gas purity.

INITIAL OPERATION KIT

Should includs first charge of:

- CO_2 compressor oil, refrigerant compressor oil, filters elements.
- Carbon and desiccant.
- Liquid Ammonia charge.
- Chemicals with specifications

While our proposal includes in its price the chemicals listed above, THE ACI reserves the right to ask our valued customer to procure such chemicals from local sources of supply where available, and where quality and content meet ACI'S specifications. When our valued customer procures such chemicals, THE ACI will issue a credit equal to the amount of the purchase, but not to exceed the amount included within this proposal.

FIELD ENGINEERING SERVICES

Site supervision for installation and then for equipment startup supervising the installation contractor, 'inspection of the equipment after installation', start-up of the plant, and training of operators.

1 x 60 METRIC TON LIQUID CO_2 STORAGE TANK INSTALLATION ACCESORIES

Design Code	-	As per IS 2825 Class I + SMPV (U) Rules 1981 With all amendments.
Capacity(Net)	-	60 M.T.
Water Capacity(Gross)	-	50000 Ltrs
Design Pressure	-	24 kg/cm2 g

Specific conditions

Design temperature	-	(-) 45 deg c
Radiography	-	100 %
Hydro test Pressure	-	31.2 Kg/cm2 g
P.W.H.T.	-	Stress Relieving.
Type of Dish end	-	Deep Torrispherical / Ellipsoidal .
Mounting	-	Horizontal vessel supported on saddles
Material of construction	-	SA-516 Gr. 70 Shell & Dish ends
		SA-350 LF-2 Flanges & Couplings
		SA-333 Gr.-6 Nozzles Necks
		SA-350 L7 / SA-194 Gr.4
Connections	-	Liquid inlet, outlet, vapor balance, manway, Pressure gauge, safety valve, full try cock, liquid Level, thermo well, vapourizer, cylinder filling Pump, gas outlet etc.
INSULATION	-	**Polyurethane Foam**

Rigid PUF – Insitu cast insulation of 200 mm thk Minimum with 20G. Bright aluminium sheet Cladding to cover insulation using self tapping Screws. The insulation to be injection moulding i.e. Polyurethane chemicals poured with high pressure insitu foaming machine and pouring gun.

Cost : 225 Lakhs

2. **PP to provide sewage treatment plant for the treatment of domestic sewage factory and residential colony of the factory.**

Reply; Sewage Treatment Plant of 100 KLD Capacity will be provided for the treatment of domestic sewage.

Design Basis

Sewage Treatment Plant:

a) Plant Capacity	:	100 m^3 /day.
b) Operation Time	:	20 hrs.
c) Hourly Flow (Feed to STP)	:	6 m^3 /hr.
d) Peak Factor (for Equalisation Tank)	:	3.0
e) Source of Sewage factory.	:	Sewage generated from
f) Mode of operation		:Manual/ Semi-automatic.
g) Scheme of treatment	:	MBBR/ FAB process.

Characteristics of Raw & Treated Sewage (After Tertiary Treatment)

Sr. No.	Parameters	Unit	Inlet	Outlet
1	Ph	-	6.5 - 8.5	6.5 - 8.5
2	Biochemical Oxygen Demand (BOD)	mg/l	300	≤ 10
3	Chemical Oxygen Demand (COD)	mg/l	400	≤ 30
4	Total Suspended Solids (TSS)	mg/l	250	≤ 100
5	Oil & Grease	mg/l	15	≤ 5
6	Fecal Coliform	Nos./100 ml	106/100	5/100
7	Total Coliform	Nos./100 ml	107/100	5/100

Assumptions: The plant is designed as per characterization of wastewater given by client & any variations in such will affect the performance of plant. It is assumed that there are no toxins present in wastewater which will affect the biomass in biological treatment.

Scheme of treatment

The sewage treatment plant will be designed for a capacity of 100 KLD. Sewage Treatment plant scheme will be based on MBBR process.

- **Pre-treatment:**

Pre-treatment will consist of Screening, Oil & Grease removal & Flow equalization.

- **Secondary / Biological Treatment:**

Secondary Treatment process will consist of Biological Aeration and Biological clarification.

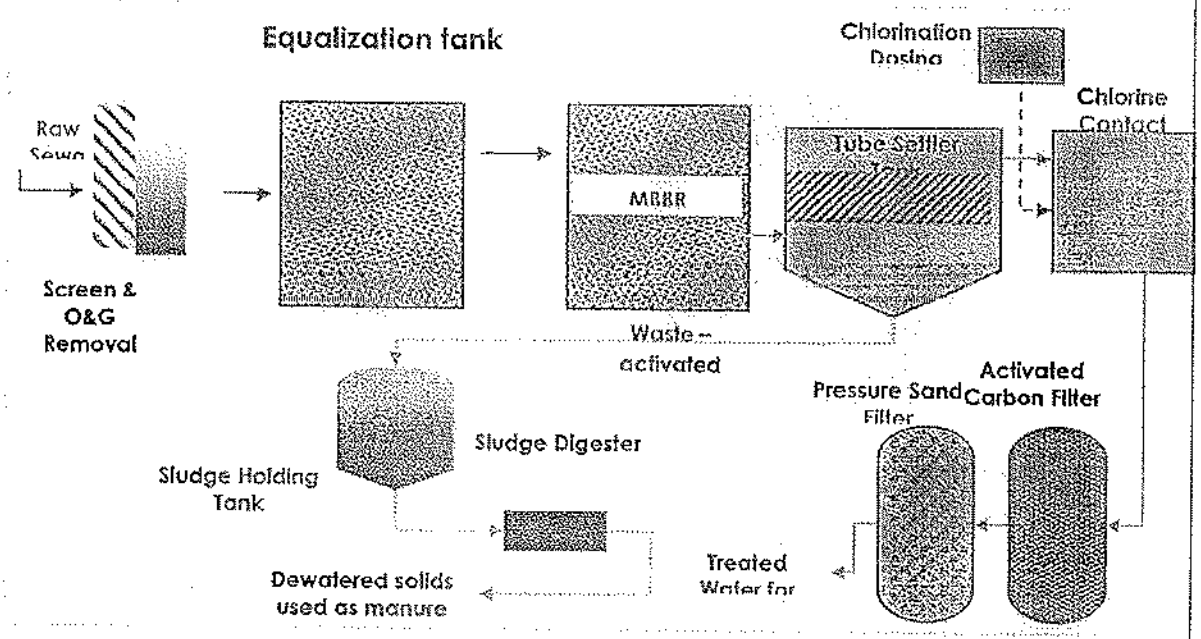
- **Tertiary Treatment:**

Tertiary treatment process will consist of media (Sand & Carbon) filtration & disinfection.

- **Sludge Treatment:**

Sludge treatment process will consist of Sludge Holding tank or Sludge drying beds.

Process Flow Diagram STP (MBBR Process):



Process Description Sewage Treatment Plant

The sewage treatment plant will be designed for a capacity of 100 KLD with a peak factor of 3. The scheme of treatment plant will be based on MBBR process. It will be smell free& underground *(Using Biotechnology)*. Raw sewage will then be passed through fine manual bar screens Oil & Grease to remove solids, floatables, oil & grease from raw sewage stream before passing to equalization tank. The sewage then will be collected in receiving /collection /Equalization Tank. The receiving /collection /Equalization Tank will be provided with Air

Blowers for mixing and aseptic conditions. Raw sewage from equalization tank will be lifted by using Submersible Raw Sewage Lifting Pumps. Aeration tank is provided with diffused Aeration Systems for biological aeration purpose.
In the aeration tank oxidation biological matter occurs. The aerobic bacteria present in activated sludge help in digestion of organic matter degradation BOD. Aerobically digested sewage water is then passed to secondary clarifier where it biological Flocs formed will be removed and separated by means of gravity. Very good quality of Bioculture is developed by *using Biotechnology* on MBBR/FAB media. The excess biosludge is sent sludge holding tank where it is aerated. Clarified water is then passed through multimedia and activated carbon filters for removing turbidity by means of Submersible Filter Feed Pumps. Multimedia filtration removes fine particulate and suspended solids while activated carbon filter removes odour and organic traces. Chlorination is used for disinfection of treated water.

Sewage Treatment Plant

Electro-Mechanical Equipments:

Sr. No.	Description	Quantity
1.	Manual Bar Screen	1 no.
2.	Raw Sewage Lifting Pumps	2 nos.(1W+1S)
3.	Air blowers for Aeration Tank	2 nos.(1W+1S)
4.	Diffusers for aeration tank	10 Nos.
5.	MBBR Media	5 m3
6.	Secondary Clarifier Tube Settling Media	2.75 m3
7.	Biosludge Withdrawal Pumps	2 nos.(1W+1S)
8.	Chlorination Dosing System	1 no.
9.	Filter Feed Pumps	2 nos.(1W+1S)
10.	Multimedia Filter	1 no.
11.	Activated Carbon Filter	1 no.

Instrumentation and Controls:

Sr. No.	Description	Quantity
1.	Raw Sewage Lifting Pumps Pressure Gauges Low Level Switch	 2 nos. 1 no.
2.	Biosludge Withdrawal Pumps Pressure Gauges	 2 nos.
3.	Filter Feed Pumps Pressure Gauges Low & High Level Switch (one each)	 2 nos. 1 no.
4.	Multimedia Filter Pressure Gauges	 2 nos.
5.	Activated Carbon Filter Pressure Gauges	 2 nos.

Technical Specification of Electro- Mechanical Equipments

Manual Bar Screen:

One manual bar screens will be provided one before equalization tank in order to remove solids and floatables from raw influent. The screenings which collected and should be sent for safe disposal. The fine screens will be installed in screen chamber. Screen will be manually raked type provided with comb type raking device.

Sr.	Description	Unit	Specification
1	Quantity	Nos.	2
2	Bar Spacing	Mm	6 and 10
3	Type	-	Manual Racked
4	Angle	Degree	45
5	Material Of Construction	-	MS-Epoxy Coated

Equalization /Collection Tank:

The equalization tank is to equalize and buffer daily flow of raw Sewage. Equalization not only buffers flow but also equalizes raw sewage parameters like BOD, COD etc. equalization tank will be provided with air purging grid for mixing purpose. Aeration in equalization will enhance process biology, control odours and maintain aseptic conditions in equalization tank. The equalization /collection will be provided low level switches for run dry protection of raw Sewage lifting pumps.

Raw sewage lifting pumps:

The raw Sewage lifting pumps will be used to lift raw Sewage from equalization tank it to aeration tank passing through screen chamber. Two Sewage pumps will be installed (1working + 1 Standby) with a capacity of 5 m^3 /hr and head of 20 meters (approx).

Sr.	Description	Unit	Specification
1	Quantity (Working +	Nos.	2
2	Capacity	m3/hr	5
3	Head	M	20
4	Type	-	Horizontal centrifugal
5	No. of stages	Nos.	1
6	Pump speed	Rpm	2900
7	Suction Discharge	Mm	50 X50
8	Pump efficiency	%	30
9	Power	kW/HP	0.75/1
10	Pump make	-	CNP/Kirloskar/Equiv.

Air blowers for Aeration tank:

Biological aeration process occurs in aeration tank. The aeration tank is provided with Air Blowers for providing air required for aeration purpose. During

aeration aerobic bacteria present in MLSS (Mixed Liquor Suspended Solids) digest organic matter (BOD). Bacteria oxidize the organic matter and convert all the matter to CO2, N2 Gas and Water. The bacteria are very important for biological oxidation process. The MBBR (Moving Bed Bio Reactor) media will be used for the attachment of bacteria colony. Aerobic bacteria will grow on the MBBR media. MBBR media submerged in aeration tank provides maximum surface for attachment of bacteria.

	Description	Unit	Specification
1	Quantity (Working +	Nos.	2
2	Type	---	Twin Lobe
3	Capacity	m3/hr	100
4	OTR	Kg- O2/hr	2.2-3.2
5	Power	kW/ HP	3/5
6	Motor Speed	Rpm	2900
7	MOC	-	CI/MS
8	Make	-	Everest/Equiv.

Air Diffusers for Aeration Tank:

Sr.	Description	Unit	Specification
1	Quantity	Nos.	10
2	Type	-	Fine bubble
3	Material Of Construction	-	EPDM
4	Make (Imported)	-	OTT/Rehau/Equiv.

MBBR/ FAB Media:

Sr.	Description	Unit	Specification
1	Media Volume	m3	5
2	Media type	-	MBBR/ FAB media
3	Application	-	Bacteria attachment
4	Effective specific surface	m2/m3	400
5	Voidage	%	98
6	Media Height	Mm	16
7	Media Diameter	Mm	22
8	Structure	-	Cylindrical with external fins
9	Material Of Construction	-	Stabilized PVC
10	Specific gravity	Gms/cm3	0.90-0.95
11	Density	Gm/cc	0.93
12	Make	-	PP Aqua/Cooldeck/Eqi.

Secondary Clarifier Tube Settling Media:

The aerated Sewage is then passed to secondary clarifier where separation of bioflocs occurs. Secondary clarifier is used for solids-liquid

separation purpose. The solid-liquid separation occurs by means of gravity. The secondary clarifier is provided with tube settling media with an inclination of 60° which enhances solid-liquid separation process.

Sr.	Description	Unit	Specification
1	Media volume	m3	2.75
2	Filtering Media	-	Hexagonal Chevron
3	Application	-	Solids Separation
4	Material Of Construction	-	Stabilized PVC
5	Void ratio	%	97
6	Thickness	Mm	0.3-0.7
7	Standard dimensions	Mm	1000 X 600
8	Maximum width of support	Mm	150
9	Dry Weight	Kg/ m3	30
10	Quantity of fills	M3	2.75
11	Material Of Construction	-	Stabilized PVC
12	Make	-	PP Aqua/Cooldeck/Eqi.

Bio-sludge withdrawal pumps:

Settled sludge from secondary sludge is pumped to sludge handling system. Two submersible pumps will be installed with a capacity of 2.0 m^3 /hr and head of 10 meters (approx).

Sr.	Description	Unit	Specification
1	Quantity (Working +	Nos.	2
2	Capacity	m3/hr	2
3	Head	M	10
4	Type	-	Horizontal centrifugal
5	No. of stages	Nos.	1
6	Pump speed	Rpm	2900
7	Suction Discharge	Mm	50 X50
8	Pump efficiency	%	65
9	Power	kW/HP	0.75/1
10	Pump make	-	CNP/Kirloskar/Equiv.
11	MOC	-	CI/ Bronze

Intermediate Water Tank 1no:

Clarified water from secondary clarifier tank will be collected in intermediate water tank. The intermediate water tank will be provided with low & high level switches for dry run and over flow protection. The water from clarified water tank will be pumped to media (sand & carbon) filtration system.

Filter feed pumps:

Filter feed pumps will be used to feed chlorinated water to media & carbon filtration system. Two horizontal centrifugal pumps will be installed (1working + 1 Standby) with a capacity of 5.0 m^3 /hr and head of 30 meters (approx).

Sr.	Description	Unit	Specification
1	Quantity (Working +	Nos.	2
2	Capacity	m3/hr	6
3	Head	M	35
4	Type	-	Horizontal centrifugal
5	No. of stages	Nos.	1
6	Pump speed	Rpm	2900
7	Suction Discharge	Mm	50 X 40
8	Pump efficiency	%	65
9	Power	HP	1.5/2
10	Pump make	-	CNP/Kirloskar/Equiv.
11	MOC	-	CI/ Bronze

Presure Sand Filter:

The unit consists of MS/FRP pressure vessel. Selected Anthracites and grades of fine sand and coarse sand are mixed together in fixed proportion to give varying void age across media. It is supported by gravels & pebbles. This allows the filter to work using surface filtration and depth filtration thus allowing higher dirt holding capacity. The particle removal efficiency is better than conventional filters, ensuring consistently low treated water turbidity at all times. Due to higher design filtration rate, the filter is more compact in size. It is externally fitted with necessary MS/FRP pipe work, valves, pressure gauges, sampling points at the inlet and outlet. Raw water flows downwards through filter bed and suspended matter is retained on the sand surface and between sand grains immediately below the surface. The filtered water is evenly collected by strainer on plate type bottom collecting system. The inlet water distributor consists of a header strainer system.

Backwash: Water is passed upwards through the column from bottom to top and then discharged to the drain for 10 minutes or till the Sewage is clear, at required flow rate. This results in removal of free impurities from the sand bed.

Rinse: Water is passed downwards through the column. The water flows out through bottom collector and flows to drain. Rinsing helps in setting up media in uniform fashion. Rinsing should be done for at least for 5 minutes.

Sr.	Description	Unit	Specification
1	Quantity	Nos.	1
2	Capacity (Normal-Maximum)	m3/hr	5

3	Type		Down flow
4	Operating pressure	Kg/cm2	2.5
5	Testing pressure	Kg/cm2	3.5
6	Backwash flow rate	M3/ hr	7.5
7	Backwash duration	Min	10-15
8	Shell diameter x HOS	Mm	600 x 1800
9	Filter media depth	Mm	1400
10	Thickness Shell and Dish	Mm	5&6
11	Media type	-	Multigrade sand
12	Vessel Material	-	MSEP/FRP
13	Frontal pipe size	Nb	40
14	MOC of pipe work	-	uPVC
15	Valve type	-	MPV/ Butterfly valve
16	Painting	-	Internal Black bituminous External Red oxide
17	Make	-	SHREE ENVIRO TECH

Activated Carbon Filter:

The unit consists of MS/FRP pressure vessel, Selected Activated carbon. It is supported by gravels & pebbles. This allows the filter to work using surface filtration and depth filtration thus allowing higher dirt holding capacity. The particle removal efficiency is better than conventional filters, ensuring consistently low treated water turbidity at all times. Due to higher design filtration rate, the filter is more compact in size. It is externally fitted with necessary MS/FRP pipe work, valves, pressure gauges, sampling points at the inlet and outlet. Raw water flows downwards through filter bed and suspended matter is retained on the Carbon surface and between sand grains immediately below the surface. The filtered water is evenly collected by strainer on plate type bottom collecting system. The inlet water distributor consists of a header strainer system.

Backwash: Water is passed upwards through the column from bottom to top and then discharged to the drain for 10 minutes or till the Sewage is clear, at required flow rate. This results in removal of free impurities from the Carbon bed.

Rinse: Water is passed downwards through the column. The water flows out through bottom collector and flows to drain. Rinsing helps in setting up media in uniform fashion. Rinsing should be done for at least for 5 minutes.

Sr.	**Description**	**Unit**	**Specification**
1	Quantity	Nos.	1
2	Capacity (Normal-Maximum)	m3/hr	5
3	Type		Down flow
4	Operating pressure	Kg/cm2	2.5
5	Testing pressure	Kg/cm2	3.5

6	Backwash flow rate	M3/ hr	7.5
7	Backwash duration	Min	10-15
8	Shell diameter x HOS	Mm	600 x 1800
9	Filter media depth	Mm	1400
10	Thickness Shell and Dish	Mm	5&6
11	Media type	-	Carbon and Multigrade sand
12	Vessel Material	-	MSEP/FRP
13	Frontal pipe size	Nb	40
14	MOC of pipe work	-	Upvc
15	Valve type	-	MPV/ Butterfly valve
16	Painting	-	Internal Black bituminous External Red oxide

Treated Water Tank

The disinfected water will be stored in treated water. The treated water can be used for gardening, flushing, and as per requirement of client.

Details of Civil Equipment's

	Description	**Unit**	**Specification**
1	**Screen Chamber**		
	Quantity	No.	1
	Wet volume	m3	0.125
	Length	m	1
	Width	m	0.5
	Side water depth (SWD)	m	0.25
	Free board	m	0.25
	Shape	-	Rectangular
	MOC	-	MS
2	**Oil and Grease removal chamber**		
	Quantity	No.	1
	Wet volume	m3	0.95
	Length	m	1.25
	Width	m	0.75
	Side water depth (SWD)	m	1.0
	Free board	m	0.25
	Shape	-	Rectangular
	MOC	-	MS
3	**Equalization / Collection tank**		
	Quantity	No.	3
	Wet volume	m3	30
	HRT	Hrs.	6.3
	Free board	M	0.5
	Shape	-	Round
	MOC	-	RCC
4	**Aeration tank (MBBR/ FAB**		

	Quantity	No.	1
	Wet volume	m3	30
	HRT	Hrs.	5.25
	Length	M	3.0
	Width	M	3.0
	Side water depth (SWD)	M	4.0
	Free board	M	0.5
	Shape	-	Rectangular
	MOC	-	MS
5	**Secondary tube settling tank**		
	Quantity	No.	1
	Wet volume	m3	12.5
	HRT	Hrs.	2.7
	Length	M	2.0
	Width	M	2.5
	Side water depth (SWD)	M	3.0
	Free board	M	0.5
	Shape	-	Rectangular
	MOC	-	MS
6	**Intermediate tank**		
	Quantity	No.	1
	Wet volume	m3	10
	HRT	Hrs.	1
	Length	M	2.0
	Width	M	2.5
	Side water depth (SWD)	M	3.0
	Free board	M	0.5
	Shape	-	Rectangular
	MOC	-	MS
7	**Treated water tank**		
	Quantity	No.	1
	Wet volume	m3	10
	HRT	Hrs.	3.3
	Free board	M	0.5
	Shape	-	Round
	MOC	-	RCC
8	**Paddle pipes,**		
	Quantity	Nos.	As required
9	**Foundations for equipments**		
	Quantity	Nos.	As required

Piping Specifications:

Sr.	Description (Fluid)	Material of Construction
1	Interconnecting pipes for STP	uPVC
2	Filter feed and Biosludge	uPVC
3	Interconnecting piping	uPVC

Note: All extra required piping for backwash, regeneration, sampling, cleaning, service water, dilution, instrumentation air, drain, vent, and overflow piping up to trench will provide by you.

MCC Panel and Cabling:

Sr.	Description of	Nos.	Specification
1	Panel	-	Indoor sheet steel clad, cubicle type, dust and vermin proof, motor control venture, conforming to IS: 8623:1977, together with suitable controls and thermal protection relays, switch gears to operate all the above equipments.
2	Make of Switch	-	Siemens / L & T
3	Cabling	-	Electrical cabling shall be provided from control panel to various units of Sewage treatment plant. Copper/Al unarmored.
4	Make of Cables	-	CCI/ Finolex / Polycab /Equiv.

Schedule of Exclusions:

Our supplies will be restricted to the items included in the above details. For your ready reference a list of exclusions from our supply is given below: -

a) All type of piping and valves up to inlet and beyond outlet of the STP.

b) All types of civil works, structural works including staircase, platform and railings etc.

c) Supply of power to MCC Panel at STP with cabling & earthing, Area lighting and cable trays.

d) All regenerate chemicals required for the normal operation of the plant.

e) Approval from Government Statutory.

f) Tools, tackles, man power, storage facility for the safety of the equipment and other utilities
during erection and commissioning.

g) All supplies, working and services not specifically mentioned as forming part of our offer.

h) Fresh water supply line to the STP site.

Battery Limits:

Our Battery Limit extends up to -

- Treated water – At outlet of Carbon Media Filter.
- Electrical – At terminal of MCC panel.

Operational Cost:

A. Electrical Cost:

Sr. No.	Item	Connected Load In kW	Working Load in kW	Operation Hr.	Working Load in kW/Day
1	Raw sewage lifting pump	1.5	0.75	20	15
2	Air blower for aeration, Equalization, Sludge holding tank	4.5	2.25	20	45
3	Filter feed pump	3	1.5	20	30
4	Biosludge withdrawal pump	1.5	0.75	4	3.0
5	Chlorine dosing	0.05	0.05	20	1
				Total	**94.00**
			Total Working Electrical Load kW / Day		94.00
			Total Power Cost per day @ Rs. 7.5 per Unit		**Rs. 705.00**
			Total Power Cost per m3 of Sewage		**Rs 7.05**

B. Chemical Cost:

Sr. No.	Chemical	Rate	Dosage	Daily consumption	Total (Rs)
1	Sodium Hypochlorite	30/- / Litre	4 ppm	3.33	100.00
				Total cost of chemical per day	**100.00**
			Total Cost of NaOCL per m3 of Sewage		**Rs 1.00**

C. Total Operating cost:

A	Electrical cost	m3	7.05
B	Chemical Cost	m3	1.00
		Total cost	**8.05**

Area requirement : **70 m^2**

Total wet volume : **117 m^3**

ESTIMATED COST FOR 100 KLPD STP PLANT-45 LAKHS (Including Machinery and Civil cost)

Ann.III

Ann.III

(33)

MAHARASHTRA POLLUTION CONTROL BOARD

SUB REGIONAL OFFICE – PUNE-II

Phone no.(020) 25811029

2nd floor,Jog centre,
Mumbai- Pune Rd
Wakdewadi, PUNE – 411 003

No. MPCB/SRP-II/ 200306-FTS-0236 Date: 6/3/2020

To,
M/s.Bhimashankar SSK Ltd.
A/P: Dattatrayanagar, Pargaon,
Tal- Ambegaon, Dist-Pune.

Sub: - Granting letter of pointwise compliance report of consent conditions.
Ref: - 1) Consent granted for sugar and co-gen is valid upto 31.7.2020.
2) Your request letter dated 6.3.2020.

With reference to above subject, this office has received your request letter to submit the compliance report . Please find attached herewith compliance report of M/s Bhimashankar SSK Ltd, A/P: Dattatrayanagar, Pargaon, Tal- Ambegaon, Dist-Pune.

This is submitted as per your request letter dated 6.3.2020 to submit it for obtaining Environmental Clearance and further information please.

Nitin Shinde
6/III/2020
(Nitin Shinde)
Sub Regional Officer,Pune-2

Copy submitted for information :-
The Regional officer MPCB, Pune

Existing Consent Compliance

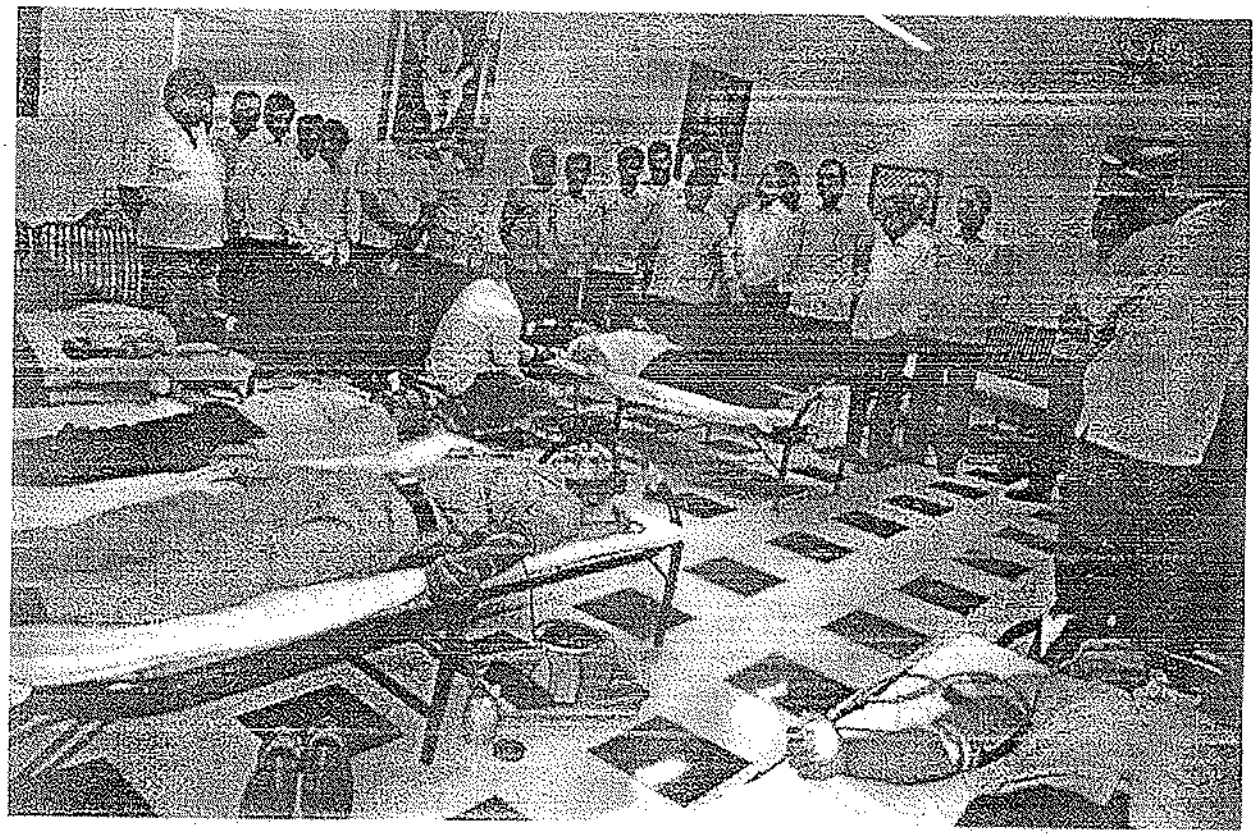
Compliance for Water Pollution Control

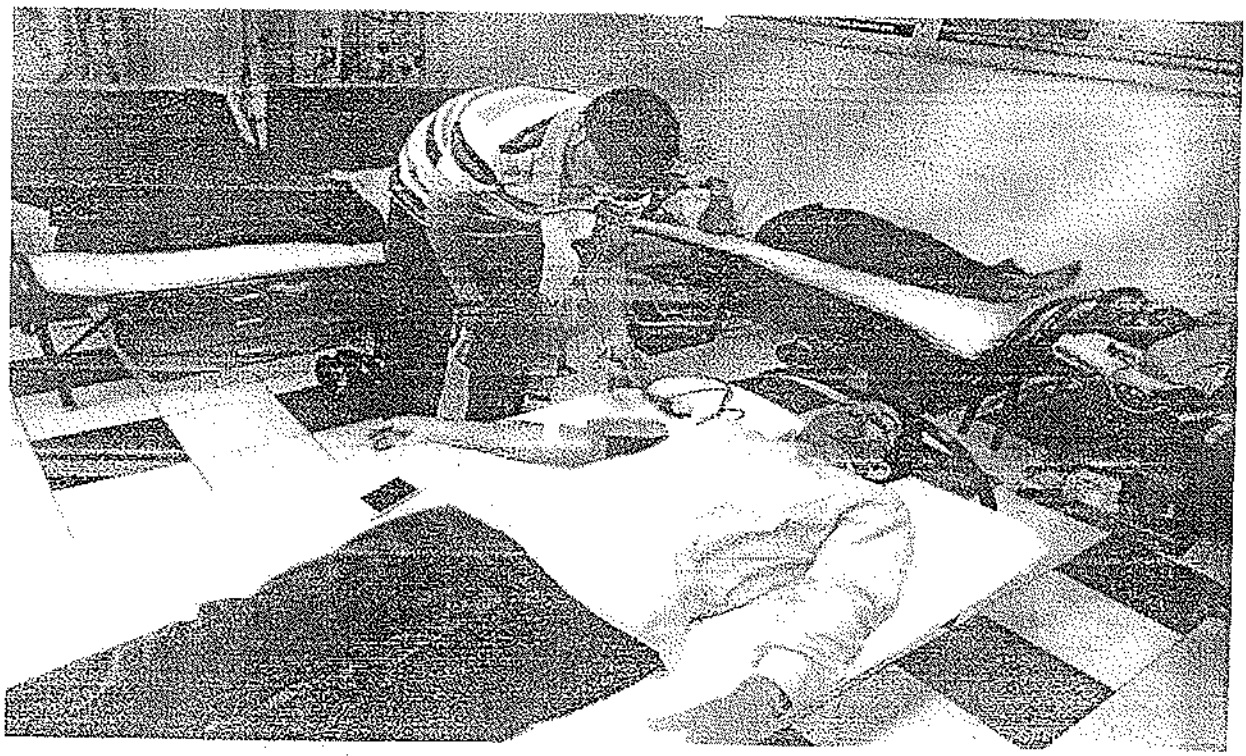
Sr. No.		Conditions	Compliance
1	A)	As per your application, you have provided Effluent Plant Treatment plant with capacity 750 CMD, comprising of Fat Chamber, Oil & Grease Trap, Neutralization tank, Equalization tank, Primary Clarifier, Aeration tank, Secondary Clarifier & SDB's.	Yes, we have provided 1350 m^3 capacity ETP plant.(Details & Photographs Attached-I)
	B)	The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the prescribed standards by the Board or under EP Act,1986 and Rules made there under from to from, whichever is stringent.	We operate ETP properly & treated water parameters are within prescribed limits.
	c)	The Treated effluent 600CMD shall be disposed on land for irrigation on 49.42 hectares of own land /as pare the bilateral agreement with farmers. In no any case treated /untreated effluent shall find it's way outside the factory premises directly or indirectly.	The treated water is used for irrigation, for the same we have made mutual agreement with farmers for 5 years (Agreement Copy Attached. Ann.II)
	D)	The treated effluent 50 CMD of Co-gen shall be 100% recycle in process	All 50 MT effluent generated from co-gen is recycled.
	E)	CREP conditions for Sugar Factory:- i) Operation of ETP shall be treated at least one month before starting of cane crushing to achieve desired MLSS. So as to meet prescribed standards from day one the operation of mill.	One month before commencement of the season we developed desired MLSS level & then ETP put into operation to achieve required parameters of treated water.
		ii) Waste water generation shall be reduced to 100 litres per tone of cane crushed.	Waste water generation is reduced to 88 ltr/Ton of cane.
		iii) Industry shall achieve zero discharge into in land surface water bodies.	No effluent is discharged in to either surface water or mixed into ground water.
		iv) 15 days storages capacity tank shall be provided for treated effluent to take care of no demand for irrigation.	Adequate capacity storage tank is provided. (Photographs Attached-III)
	F)	Industry shall maintained arrangement provided for covering of effluent collection system and to avoid the ingress of Bagasse other material.	Bagasse handling system is fully closed to ingress of bagasse in the effluent. Effluent line is also closed (PVC piping). There is no open gutter(Photographs Attached-IV).
	G)	The unit shall operate ETP even after completion of the crushing season so as that any effluent generated during washing & maintenance is discharged after proper treatment.	In off season there is no effluent.
	H)	The unit shall optimize water use in industrial process & maintain records of water consumption & waste water generation.	Excess condensate is reduced after cooling & minimized the raw water requirement to the level 76 ltr/T cane. We have provided flow meter for both Raw water intake & effluent outlet. Maintained records for the same.
2)	A)	As per your consent application, for the 55CMD sewage generation you have provided septic tank & soak pit.	Necessary provision is made.
	B)	The Applicant shall operate the sewage treatment system so as to achieve the following standards- 1) Suspended Solids Not to exceed 100 mg/l 2) BOD 3 days 27° C Not to Exceed 100 mg/l	Sewage treated water BOD & S.S. level is within limit.
	c)	The treated sewage 44 CMD shall be disposed on land for gardening / irrigation.	Used for garden & trees planted in factory premises.
3)		The industry shall have bilateral agreement with the farmers on whose land the treated effluent is used for irrigation purpose and a copy of the agreements with validity shall be submitted to the Regional / sub-Regional Office of the Board.	Yes, bilateral agreement is made for 5 years. years (Agreement Copy Attached. Ann.II)

24		The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).	Regularly Submitted.
25		The industry shall submit official e-mail address and any change will be duly informed to MPCB.	No change.
26		The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification Dt.16.11.2009 as amended.	—
27		The board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of water works for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The applicant shall obtain prior consent of the board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.	We are agree with the same.
28.		The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.	Regularly maintenance.

The pollution Control System provided seems to be adequate if operated & maintained properly.

Nitin Shinde
06/11/2022





Ann-V

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/44-921/2021-22
		Report Date	01/02/2022
		Inward No	1-494
		Inward Date	25/01/2022
Sample Testing Location	Laboratory	**Analysis Start date**	27/01/2022
Sample Detail	Borewell water-Pandurang Dhoble- West side	**Analysis End date**	31/01/2022
		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	0.25	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	693	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.98	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	451	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	28.0	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	185	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	220	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	54.4	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	20.2	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^2	mg/lit	19.2	≤200	APHA23rd Edition 20174500-E-SO_4^2
13.	Nitrate as NO_3	mg/lit	3.17	≤45.0	APHA 23rd 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-

- **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
(Aishwarya Bobade)

Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Kadam-Dhadse)

...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/44-924/2021-22
		Report Date	01/02/2022
		Inward No	1-497
		Inward Date	25/01/2022
Sample Testing Location	Laboratory	Analysis Start date	27/01/2022
Sample Detail	Well Water-Yogesh bhimaji pingale- South side	Analysis End date	31/01/2022
		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	0.34	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	778	N.S	IS 3025 (Part 14):2013
B)	CHEMICAL ANALYSIS				
5.	pH @ 25°C	---	8.41	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	506	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	36.0	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	217	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	180	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	30.4	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	25.0	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	26.0	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	4.22	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.05	≤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
(Aishwarya Bobade)

Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Kadam-Dharse)

...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/44-923/2021-22
		Report Date	01/02/2022
		Inward No	1-496
		Inward Date	25/01/2022
Sample Testing Location	Laboratory	Analysis Start date	27/01/2022
Sample Detail	Well Water-Bharat Dhobale-North side	Analysis End date	31/01/2022
		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	0.31	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	812	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.99	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	528	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	48.0	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	221	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	224	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	68.8	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	17.3	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	32.3	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	3.56	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.04	≤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
(Aishwarya Bobade)

Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Kadam-Dhadse)

...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/44-922/2021-22
		Report Date	01/02/2022
		Inward No	1-495
		Inward Date	25/01/2022
Sample Testing Location	Laboratory	Analysis Start date	27/01/2022
Sample Detail	Borewell Water-Ramesh Jadhav-East side	Analysis End date	31/01/2022
		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	0.45	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	2118	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.25	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1377	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	45.0	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	302	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	650	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	176	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	50.4	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	411	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	4.88	≤45.0	APHA 23rd Edition 20174500-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-

- **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**

Aishwarya

Prepared by
(Aishwarya Bobade)

Vipul

Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Kadam-Dhadse)

...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

NAME OF COMPANY & ADDRESS:
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.
Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. – Pune-412406.

Sample Testing Location	Laboratory	**Report No**	AL/TR/44-925/2021-22
Sample Detail	Ground water-ramdas cahvan well water- East side	**Report Date**	01/02/2022
Sample Collected By	Party	**Inward No**	AL/W/01-08/1/2021-22
		Inward Date	25/01/2022
		Analysis Start date	27/01/2022
		Analysis End date	31/01/2022
		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	0.28	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	804	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.37	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	517	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	41.0	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	221	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	194	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	34.7	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	27.4	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	24.0	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	4.31	≤45.0	APHA 23rd Edition 20174500-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-

- **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
(Aishwarya Bobade)

Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Kadam-Dhadse)

...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/45-481/2021-22
		Report Date	04/03/2022
		Inward No	2-456
		Inward Date	25/02/2022
Sample Testing Location	Laboratory	**Analysis Start date**	26/02/2022
Sample Detail	East side Well water- Shri Ramesh Gaikwad	**Analysis End date**	03/03/2022
		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	0.73	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1747	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.23	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1136	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	115	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	603	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	410	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	76.0	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	52.8	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	105	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	8.44	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.05	≤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**

Aishwarya.

Prepared by
(Aishwarya Bobade)

P.P.

Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Kadam-Dhadse)

...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.

Sample Testing Location	Laboratory	**Report No**	AL/TR/45-482/2021-22
Sample Detail	West side Well Water- Shri. Dhondiram Pingale	**Report Date**	04/03/2022
Sample Collected By	Party	**Inward No**	2-457
		Inward Date	25/02/2022
		Analysis Start date	26/02/2022
		Analysis End date	03/03/2022
		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	0.69	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1620	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.34	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1053	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	105	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	432	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	520	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	56.0	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	91.2	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	68.1	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	11.0	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.04	≤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**

P. P.

Prepared by
(Aishwarya Bobade)

Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Kadam-Dhadse)

...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/45-480/2021-22
		Report Date	04/03/2022
		Inward No	2-455
		Inward Date	25/02/2022
Sample Testing Location	Laboratory	**Analysis Start date**	26/02/2022
Sample Detail	South side Well Water- Shri Pandurang Walase	**Analysis End date**	03/03/2022
		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	0.80	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	2161	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.22	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1140	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	120	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	342	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	640	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	136	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	72.0	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^2	mg/lit	525	≤200	APHA23rd Edition 20174500-E-SO_4^2
13.	Nitrate as NO_3	mg/lit	13.3	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.07	≤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**

P.P.

Prepared by
(Aishwarya Bobade)

Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Kadam-Dhadse)

...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.

Sample Testing Location	Laboratory	**Report No**	AL/TR/45-483/2021-22
Sample Detail	North Side Borewell water- Shri Balasaheb Dhoble	**Report Date**	04/03/2022
Sample Collected By	Party	**Inward No**	2-458
		Inward Date	25/02/2022
		Analysis Start date	26/02/2022
		Analysis End date	03/03/2022
		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	0.09	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	648	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.41	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	421	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	30.0	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	201	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	190	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	48.0	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	16.8	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	12.4	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	11.8	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.05	≤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
(Aishwarya Bobade)

P.P.

Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Kadam-Dhadse)

...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

NAME OF COMPANY & ADDRESS:
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.
Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. – Pune-412406.

Sample Testing Location	Laboratory	**Report No**	**Page 1 of 1**
Sample Detail	South Side Borewell water- Shri Yogesh Dhoble	**Report Date**	AL/TR/45-487/2021-22
Sample Collected By	Party	**Inward No**	04/03/2022
		Inward Date	AL/W/02-21/1/2021-22
		Analysis Start date	25/02/2022
		Analysis End date	26/02/2022
		Sample Condition	03/03/2022
		Sample Volume	Fit For Analysis
			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	0.39	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1648	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.41	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	921	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	63.0	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	301	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	490	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	148	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	56.8	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	62.4	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	10.5	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.07	≤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**

Aishwarya

Prepared by
(Aishwarya Bobade)

P.P.

Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Kadam-Dhadse)

...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

NAME OF COMPANY & ADDRESS:
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.
Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. – Pune-412406.

Sample Testing Location	Laboratory	**Report No**	AL/TR/45-967/2022-23
Sample Detail	Well Water-Pavan Valse-East Side	**Report Date**	04/04/2022
Sample Collected By	Party	**Inward No**	3-452
		Inward Date	27/03/2022
		Analysis Start date	28/03/2022
		Analysis End date	31/03/2022
		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	0.30	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1790	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.81	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1164	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	103	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	493	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	414	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	52.5	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	67.9	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^2	mg/lit	221	≤200	APHA23rd Edition 20174500-E-SO_4^2
13.	Nitrate as NO_3	mg/lit	6.63	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.06	≤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**

P.P.

Prepared by
(Aishwarya Bobade)

Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Kadam-Dhadse)

...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

NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. – Pune-412406.		**Report No**	**Page 1 of 1**
		Report Date	AL/TR/45-969/2022-23
		Inward No	04/04/2022
		Inward Date	3-454
Sample Testing Location	Laboratory	**Analysis Start date**	27/03/2022
Sample Detail	Borewell Water-Navnath Mhetre-North Side	**Analysis End date**	28/03/2022
Sample Collected By	Party	**Sample Condition**	31/03/2022
		Sample Volume	Fit For Analysis
			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	0.39	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	2073	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.08	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1351	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	113	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	558	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	515	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	101	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	63.0	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^2	mg/lit	389	≤200	APHA23rd Edition 20174500-E-SO_4^2
13.	Nitrate as NO_3	mg/lit	14.8	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.05	≤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
(Aishwarya Bobade)

P.P.
Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Kadam-Dhadse)

...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.

Sample Testing Location	Laboratory	Report No	AL/TR/45-966/2022-23
Sample Detail	Borewell Water-Balasaheb Wavre-West Side	Report Date	04/04/2022
Sample Collected By	Party	Inward No	3-451
		Inward Date	27/03/2022
		Analysis Start date	28/03/2022
		Analysis End date	31/03/2022
		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	0.32	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1783	N.S	IS 3025 (Part 14):2013
B)	CHEMICAL ANALYSIS				
5.	pH @ 25°C	---	8.50	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1159	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	98.5	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	471	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	424	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	56.6	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	67.9	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	297	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	22.9	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.04	≤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
(Aishwarya Bobade)

P.P.
Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Kadam-Dhanse)

...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.

Sample Testing Location	Laboratory	**Report No**	AL/TR/45-965/2022-23
Sample Detail	Borewell water-Santosh Kasbe-South Side	**Report Date**	04/04/2022
Sample Collected By	Party	**Inward No**	3-450
		Inward Date	27/03/2022
		Analysis Start date	28/03/2022
		Analysis End date	31/03/2022
		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	0.25	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1715	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.93	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1115	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	128	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as $CaCO_3$	mg/lit	328	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as $CaCO_3$	mg/lit	667	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	125	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	84.8	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	219	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	2.96	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.05	≤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
(Aishwarya Bobade)

P.P.
Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Kanchan Kadam-Dhadse)

...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.

Sample Testing Location	Laboratory	Report No	AL/TR/45-968/2022-23
Sample Detail	Borewell water-Sushant Sonawane-North Side	Report Date	04/04/2022
Sample Collected By	Party	Inward No	3-453
		Inward Date	27/03/2022
		Analysis Start date	28/03/2022
		Analysis End date	31/03/2022
		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	0.45	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	2223	N.S	IS 3025 (Part 14):2013
B)	CHEMICAL ANALYSIS				
5.	pH @ 25°C	---	8.27	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1445	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	128	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	536	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	505	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	121	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	48.5	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	383	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	17.1	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.07	≤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**

P.P.

Prepared by
(Aishwarya Bobade)

Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Kadam-Dhadse)

..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/46-515/2022-23
		Report Date	06/05/2022
		Inward No	4-463
		Inward Date	26/04/2022
Sample Testing Location	Laboratory	Analysis Start date	28/04/2022
Sample Detail	Well Water-Santosh Dhoble-East Side	Analysis End date	02/05/2022
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	0.29	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	352	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.13	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	229	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	9.78	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	100	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	113	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	24.7	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	12.4	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	6.72	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	14.5	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.04	≤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	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**

Aishwarya

Prepared by
(Aishwarya Bobade)

Vipul

Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Kadam-Director)

End of test report

Office and Laboratory : S. No. 613, Plot No. 5, Gangadham Phase-I, Opp. Ganga Landmark Row Houses, Bibvewadi, Pune 411037. | **Phone** : 020-24240030 | **Email** : akankshalab2007@gmail.com

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/46-516/2022-23
		Report Date	06/05/2022
		Inward No	4-464
		Inward Date	26/04/2022
Sample Testing Location	Laboratory	**Analysis Start date**	28/04/2022
Sample Detail	Well Water-Mahesh Shinde-South side	**Analysis End date**	02/05/2022
		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	0.27	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	295	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.95	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	192	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	9.78	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	93.5	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	86.5	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	22.2	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	7.42	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	5.49	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	14.4	≤45.0	APHA 23rd 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 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
(Aishwarya Bobade)

Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Kadam-Dhadse)

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/46-517/2022-23
		Report Date	06/05/2022
		Inward No	4-465
		Inward Date	26/04/2022
Sample Testing Location	Laboratory	**Analysis Start date**	28/04/2022
Sample Detail	Borewell Water-Sopan Jadhav-East side	**Analysis End date**	02/05/2022
		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	0.63	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	2341	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.96	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1522	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	68.5	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	231	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	422	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	78.3	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	54.4	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	303	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	2.71	≤45.0	APHA 23rd Edition 20174500-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-

- **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
(Aishwarya Bobade)

Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Kadam-Dhanave)

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/46-518/2022-23
		Report Date	06/05/2022
		Inward No	4-466
		Inward Date	26/04/2022
Sample Testing Location	Laboratory	**Analysis Start date**	28/04/2022
Sample Detail	Borewell water-Suresh Borhade-North Side	**Analysis End date**	02/05/2022
		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	0.54	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1449	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.44	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	942	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	73.4	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	392	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	381	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	37.1	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	69.2	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	50.6	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	1.72	≤45.0	APHA 23rd Edition 20174500-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-

- **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
(Aishwarya Bobade)

Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Kadam Dhadse)

...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/46-519/2022-23
		Report Date	06/05/2022
		Inward No	4-467
		Inward Date	26/04/2022
Sample Testing Location	Laboratory	**Analysis Start date**	28/04/2022
Sample Detail	Well Water-Ganesh Borge- West side	**Analysis End date**	02/05/2022
		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	0.71	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1735	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.37	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1128	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	108	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	452	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	319	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	45.3	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	49.4	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	256	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	13.5	≤45.0	APHA 23rd 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-

- **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**

Aishwarya.

Prepared by
(Aishwarya Bobade)

Vipul

Reviewed by
(Vipul Waghmare)

Authorized Signatory
(Mrs. Karuna Gadam Bhadkey)

..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

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/63-625/21-22
		Report Date	01/02/2022
		Inward No	AL/7-378/09/21-22
		Inward Date	23/01/2022
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)	72.9	≤ 75 dB(A)	IS 4763-1968 (PART 10) RA 2002
2.	Near Khandoba Temple	dB(A)	72.0		
3.	Near Guest House	dB(A)	68.2		
B.	Inside of Shop				
4.	Near Mill House	dB(A)	81.8	≤ 90 dB(A)	IS 9989-1981 (RA 2001)
5.	Near Boiler No-2	dB(A)	85.6		
6.	Near Boiling House	dB(A)	79.7		

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...

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/64-096/21-22
		Report Date	04/03/2022
		Inward No	AL/7-413/09/21-22
		Inward Date	24/02/2022
Sample Location	Company Premises	Sampling Time	04:00 PM To 04:30 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)	65.9	≤ 75 dB(A)	IS 4764-1968 (PART 10) RA 2002
2.	Near Bas stand	dB(A)	68.2		
3.	Main Gate	dB(A)	64.7		
B.	**Inside of Shop**				
4.	Boiler (old)	dB(A)	82.3	≤ 90 dB(A)	IS 9989-1981 (RA 2001)
5.	Sugar House	dB(A)	78.1		
6.	Near Gavhan	dB(A)	76.5		

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...

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

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/64-613/22-23
		Report Date	04/04/2022
		Inward No	AL/7-453/09/22-23
		Inward Date	27/03/2022
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)	64.3	≤ 75 dB(A)	IS 4764-1968 (PART 10) RA 2002
2.	Near karkhana colony	dB(A)	62.5		
3.	Near Bagasse	dB(A)	67.6		
B.	Inside of Shop				
4.	Boiler No-3	dB(A)	73.2	≤ 90 dB(A)	IS 9989-1981 (RA 2001)
5.	Sakhar shala	dB(A)	70.9		
6.	Near godawan	dB(A)	69.7		

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...

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

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/65-053/22-23
		Report Date	04/05/2022
		Inward No	AL/7-496/09/22-23
		Inward Date	26/04/2022
Sample Location	Company Premises	Sampling Time	03:20 PM To 03:50 PM
Sample Collected By	AARL	Time duration	30 Min

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A.	Outside of Shop				
1.	Kopi yard	dB(A)	62.7	≤ 75 dB(A)	IS 4764-1968 (PART 10) RA 2002
2.	Near Canteen	dB(A)	58.3		
3.	South yard	dB(A)	64.5		
B.	Inside of Shop				
4.	Near Mill House	dB(A)	76.4	≤ 90 dB(A)	IS 9989-1981 (RA 2001)
5.	Near Spray Pond	dB(A)	67.2		
6.	Near Building House	dB(A)	63.1		

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...

Ann.VII

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/ ९७६८/२०१९ - २०

मंचर ४१०५०३ दिनांक - ०२/ १२/२०१९

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,चिक्कू,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.

(6)

जाक्र/तालृका/ विस्तार/३९१५/२०१९
तालुका कृषि अधिकारी ,आंबेगाव
(घोडेगाव) दि. २ /१२ /२०१९

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

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

उपरोक्त संदर्भीय विषयान्वये कळविण्यात येते की , भिमाशंकर सहकारी साखर कारखाना परिसरातील कार्यक्षेत्रामध्ये जास्तीत जास्त झाडे लावुन 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 प्रमाणितर करणेत येत आहे.

तालुका कृषि अधिकारी
आंबेगाव (घोडेगाव) जि.पुणे

62

भीमाशंकर सहकारी साखर कारखाना लि., दत्तात्रयनगर

पारगाव तर्फे अवसरी बु.।।., ता.आंबेगाव, जि.पुणे.

झाडांची नावे व अंतर तपशिल

अ.क्र.	झाडांची नावे	वृक्ष लागवड (संख्या)				प्रति वृक्ष आवश्यक अंतर (मी. X मी.)	प्रति वृक्ष (खड्ड्याचा आकार घ.मी.)	वृक्ष लागवड क्षेत्र (हे.आर)
		२०१७-१८ (पुर्वीची)	२०१८-१९	२०१९-२०	आज अखेर एकूण			
१	नारळ	१७०	०	०	१७०	5 X 5	२५	० ४३
२	आंबा	१९	१०५	५५	१७९	10 X 10	१००	१.७९
३	चिक्कू	५८	०	०	५८	9 X 9	८१	०.४७
४	आवळा	३	५	०	८	6 X 6	३६	०.०३
५	फणस	७	०	०	७	8 X 8	६४	०.०४
६	कागदी लिंबू	२२	०	०	२२	5 X 5	२५	०.०६
७	सिताफळ	१३९	०	०	१३९	4 X 4	१६	०.२२
८	पेरू	२९	०	०	२९	6 X 6	३६	०.१०
९	जांभुळ	२८	०	२५	५३	6 X 6	३६	०.१९
१०	चिंच	७	४०	६५०	६९७	8 X 8	६४	४.४६
११	डाळींब	५	०	०	५	4 X 4	१६	०.०१
१२	कौठ	६	०	०	६	6 X 6	३६	०.०२
१३	बोर	११	०	०	११	4 X 4	१६	०.०२
१४	गुलमोहर	२३	५०	०	७३	8 X 8	६४	०.४७
१५	रेनट्री	१६	११०	०	१२६	8 X 8	६४	०.८१
१६	बॉटल पाम	२४१	२२	५०	३१३	5 X 5	२५	०.७८
१७	फिलोशिया पाम	१४	३	०	१७	5 X 5	२५	०.०४
१८	सप्तपर्णी	५२	४८	०	१००	8 X 8	६४	०.६४
१९	पित्त मोहर	१७	५६	०	७३	8 X 8	६४	०.४७
२०	वड	१२०	६	०	१२६	10 X 10	१००	१.२६
२१	अर्जुन	२९	२०	०	४९	8 X 8	६४	०.३१
२२	सिल्वर ओक	६	०	०	६	5 X 5	२५	०.०२
२३	काशिद	३५	३५	१०५	१७५	8 X 8	६४	१.१२
२४	सिसम	१२५	२०	०	१४५	8 X 8	६४	०.९३
२५	पिंपळ	१७	०	०	१७	8 X 8	६४	०.११
२६	फायकस	०	५०	०	५०	4 X 4	१६	०.०८
२७	बांबू	१२	०	०	१२	4 X 4	१६	०.०२
२८	करंज	३३	०	९०	१२३	8 X 8	६४	०.७९
२९	बॉटल ब्रश	१९	०	०	१९	4 X 4	१६	०.०३
३०	कडुलिंब	२००	०	९५	२९५	6 X 6	३६	१.०६
३१	बदाम	३०	०	०	३०	6 X 6	३६	०.११
३२	सुरु	३१	०	०	३१	6 X 6	३६	०.११
३३	अशोक	९९	०	०	९९	4 X 4	१६	०.१६
३४	स्पॅथोडिया	६	०	०	६	8 X 8	६४	०.०४
३५	कांचन (आपटा)	३९	०	१००	१३९	8 X 8	६४	०.८९
३६	सोनचाफा	५	०	०	५	4 X 4	१६	०.०१
३७	पांढरा चाफा	२१	०	०	२१	4 X 4	१६	०.०३
३८	उंबर	११	०	०	११	8 X 8	६४	०.०७
३९	निलगिरी	३४	०	०	३४	3 X 3	९	०.०३
४०	रामफळ	१४	०	०	१४	5 X 5	२५	०.०४
४१	सुबाभळ	२१३	०	०	२१३	4 X 4	१६	०.३४
४२	शेवगा	१४	०	०	१४	3 X 3	९	०.०१
४३	अंजीर	२	०	०	२			
४४	पांगारा	३	०	०	३			
४५	चंदनी	७	०	०	७	4 X 4	१६	०.०१
४६	गेंडी	४	०	०	४	3 X 3	९	०.००
४७	बाभुळ	६४	०	०	६४	6 X 6	३६	०.२३
४८	शोकर	१	०	०	१			

(63)

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			
४९	पपई	८	०	०	८	३X३	९	०.०१
५०	वेल	३	०	०	३	६X६	३६	०.०१
५१	शेवरी	१२	०	०	१२	४X४	१६	०.०२
५२	देवदार	२७	०	०	२७	८X८	६४	०.१७
५३	हिमालया	२	०	०	२			
५४	बकवान	४	०	०	४			
५५	चेडूफळी	१	०	०	१			
५६	येहळा	२	०	०	२			
५७	पिचकारी	३६	०	०	३६	२X२	४	०.०१
५८	सायर	५	०	०	५			
५९	करवंद	२	०	०	२			
६०	हिरडा	०	०	२५	२५	५X५	२५	०.०६
	एकूण	२१६३	५७०	१९९५	३९२८			१९.१४
	बुशेस							
६१	जारवंद	२८	०	०	२८	२X२	४	०.०१
६२	तगर पांढरा	७१	०	०	७१	२X२	४	०.०३
६३	बोगन वेल	४०२	०	०	४०२	२X२	४	०.१६
६४	मोरपंखी	१३	०	०	१३	२X२	४	०.०१
६५	रातराणी	३	०	०	३			
६६	प्राजक्ता	२	०	०	२			
६७	ख्रिसमस	२	०	०	२			
	एकूण	५२१	०	०	५२१			०.२१
	फुलझाडे/ शोभेची झाडे							
६८	गुलाब	८८	०	०	८८	२X१.५	३	०.०३
६९	मिली	४३	०	०	४३	२X१.५	३	०.०१
७०	क्रोटॉन	५०	०	०	५०	२X१.५	३	०.०२
७१	गोल्डन डोरांटा	५३८	०	०	५३८	१.५X१.५	०	०.००
७२	लॅन्टीना व्हेरीगेटेड	८५	०	०	८५	१.५X१.५	२.२५	०.०२
७३	क्रिपरवर्डेलिया	१००	०	०	१००			
७४	हिगेलिया	६३	०	०	६३	१.५X१.५	२.२५	०.०१
७५	मोगरा	१२	०	०	१२	१X१	१	०.००
७६	आबोली	३	०	०	३			
७७	कॅलेंडरा	२१२	०	०	२१२	१X१	१	०.०२
७८	अॅकॅलीफा	२३०	०	०	२३०	१X१	१	०.०२
७९	डबल तगर	५८	०	०	५८	१X१	१	०.०१
८०	अॅलेमेंडा	४१	०	०	४१	१X१	१	०.००
८१	साबर कांडी	३०	०	०	३०	१X१	१	०.००
८२	रेबीन ग्रास	७५	०	०	७५	१X१	१	०.०१
८३	मंकी ग्रास	२५	०	०	२५			
८४	केना	५०	०	०	५०			
८५	एक्यालिफा	३५०	०	०	३५०	१X१	१	०.०४
	एकूण	२०५३	०	०	२०५३			०.१९
	एकूण एकंदर	४७३७	५७०	१९९५	६५०२			१९.५३

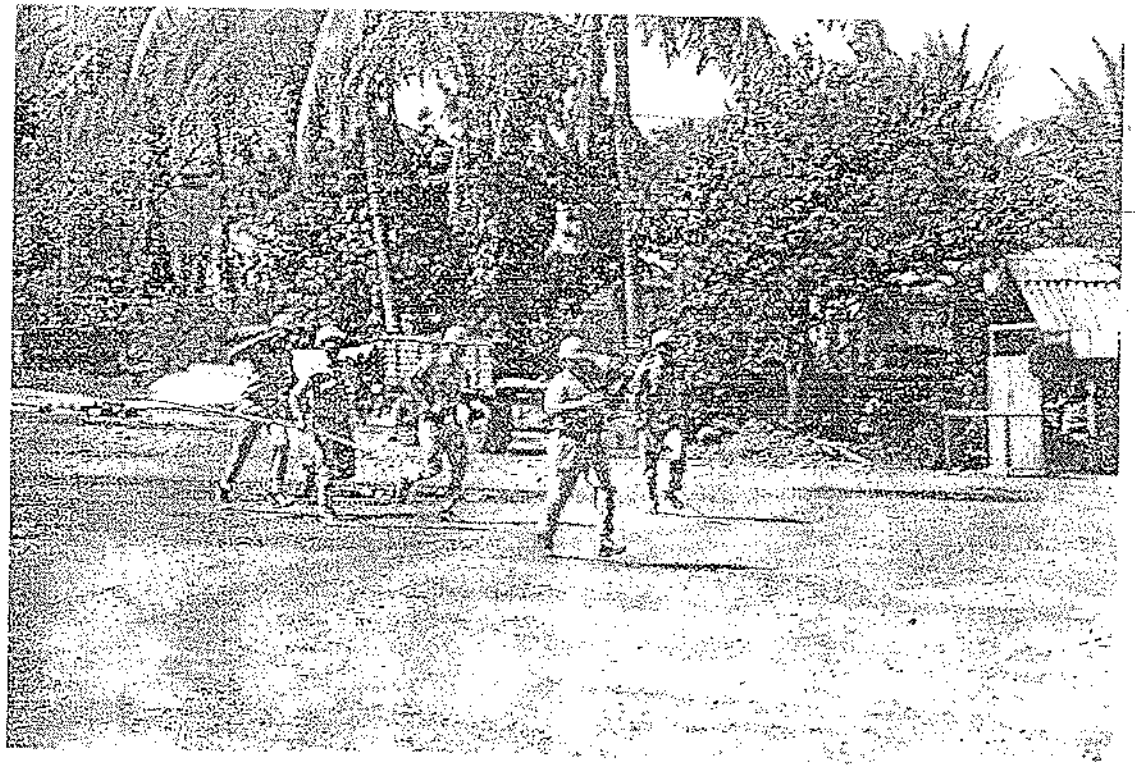
उद्यान विकास अधिकारी

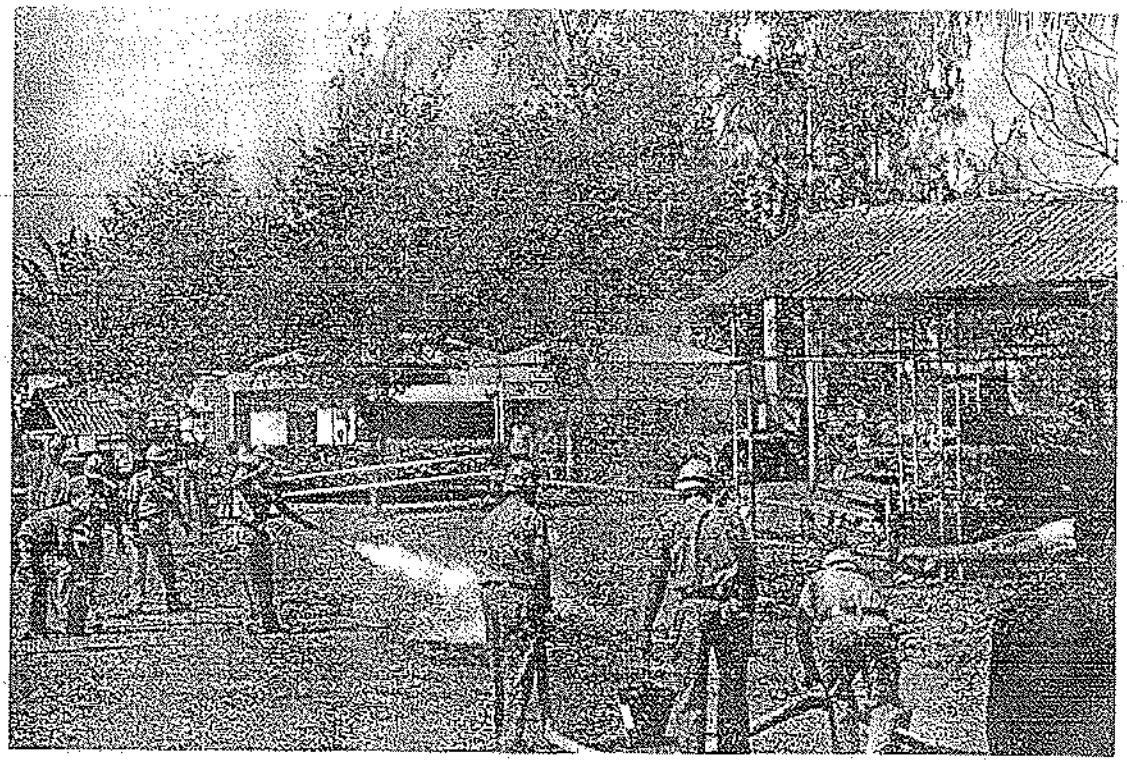
मुख्य शेती अधिकारी

कार्यकारी संचालक

तालुका कृषि अधिकारी
आंबेगाव (घोडेगाव) जि.पुणे

Ann. VIII





Ann-IX

BHIMASHANKAR SAHAKARI SAKHAR KARKHANA LTD.

[illegible]

... Project at Dattatraynagar, Pargaon Tarfe Avasari Bk. Tal. Ambegaon, Dist. Pune of M/s. Bhimashankar Sahakari Sakhar Karkhana Ltd. Copy of Environment Clearance is available in Maharashtra Pollution Control Board office and also at website http://parivesh.nic.in

Managing Director

SANGHVI MOVERS LIMITED

CIN: L29150PN1989PLC054143

Registered Office: Survey No. 92, Tathawade, Taluka Mulshi, Pune, Maharashtra - 411033, India Tel: [illegible]

Email: [illegible] Website: [illegible]

NOTICE

NOTICE is hereby given pursuant to Regulation 29 and 47 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, that a meeting of the Board of Directors will be held on Thursday, 13th August 2020. Pursuant to Regulation 47 (2) of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015 this intimation is also available on the website of BSE Limited (www.bseindia.com), National Stock Exchange of India Limited (www.nseindia.com) and also on the website of the Company (www.sanghvicranes.com)

By order of the Board of Directors
For Sanghvi Movers Limited

Place : Pune
Date : 27th July 2020

Rajesh P. Likhite
Company Secretary & Chief Compliance Officer

Margdarshak Financial Services Ltd.

118, Dayal Farms, Ganeshpur-Rehmanpur,Deva Road, Chinhat, Lucknow-226019

CIN: U65921UP1996PLC019924

Website: www.margdarshak.org.in Email: Margdarshak.lko@gmail.com

Extracts of Financial Results for Half Year ended Sept 30th,2019

[illegible]

Figures in INR Lakhs

Sr. No	Particulars	Half year ending 30th Sept. 2019 Unaudited	Half year ending 30th Sept. 2018 Unaudited	Year ended 30th Sept 2019 Unaudited
1.	Total Income from Operations	3,511.53	3,060.71	3,511.53
2.	Net Profit for the period (before Tax, Exceptional and/or Extraordinary items)	341.66	674.54	341.64
3.	Net Profit for the period before tax (after Exceptional and/or Extraordinary items)	341.66	674.64	341.66
4.	Net Profit for the period after tax (after Exceptional and/or Extraordinary items)	240.64	427.62	240.69
5.	Total Comprehensive Income for the period [Comprising Profit for the period (after tax) and Other Comprehensive Income (after tax)]	237.33	442.15	237.31
6.	Paid up Equity Share Capital Equity share of Rs. 10/- each	1471	1471	1471
7.	Reserves (excluding Revaluation Reserve)	2112	1595	2112
8.	Earnings Per Share (of Rs.10/- each) (for continuing and discontinued operations)			
	1. Basic:	4.11	2.84	0.11
	2. Diluted:	1.60	2.58	4.15

Note:

1. The above half yearly financial results have been approved by the Audit Committee and Board of Directors in their meeting held on Jul 25, 2020
2. The above is an extract of the detailed format of Unaudited half yearly financials accompanied by Limited review report filed with the stock exchange under Regulation 52 of SEBI (LODR) Regulations 2015. The full financials is available on the website of Bombay Stock Exchange(BSE)
3. The financial statements have been prepared in accordance with IND AS notified under the Companies (Indian Accounting Standards) Rules, 2015 as amended
4. Management has exercised necessary due diligence to ensure that the said comparative results provide a true and fair view of its affairs.

For Margdarshak Financial Services Ltd.

Place: Lucknow
Date: July 26,2020

Rahul Jessel Mitra
Managing Director
DIN: 01873791

Ajmera Realty & Infra India Limited

CIN: L27104MH1985PLC035659

Regd Office: 2nd Floor, Citi Mall, New Link Road, Andheri (W), Mumbai - 400 053
Tel: +91-22-66984000 | Fax: +91-22-26325902 | Website: www.ariil.co.in | E-mail Id: investors@ajmera.com

EXTRACT OF THE STANDALONE AND CONSOLIDATED UNAUDITED FINANCIAL RESULTS FOR THE QUARTER ENDED 30TH JUNE, 2020

(Rs. In Lakhs)

Sr. No	Particulars	Consolidated Quarter Ended 30-Jun-20 Unaudited	Consolidated Quarter Ended 30-Jun-19 Unaudited	Consolidated Year Ended 31-Mar-20 Audited	Standalone Quarter Ended 30-Jun-20 Unaudited	Standalone Quarter Ended 30-Jun-19 Unaudited	Standalone Year Ended 31-Mar-20 Audited
1	Total Income From Operations	4,016	9,576	35,051	3,996	9,373	32,118
2	Net Profit/ (Loss) for the period (before Tax, Exceptional items)	276	1,360	4,286	264	1,180	3,771
3	Net Profit/ (Loss) for the period before Tax (after Exceptional items)	276	1,360	4,286	264	1,180	3,771
4	Net Profit/ (Loss) for the period after tax (after Exceptional items)	210	1,021	3,270	106	626	2,822
5	Total Comprehensive Income for the period [Comprising Profit/(Loss) for the period (after tax) and Other Comprehensive Income (after tax)]	616	1,026	3,259	164	825	2,805
6	Paid-up Equity Share Capital	3,544	3,548	3,548	3,548	3,548	3,548
7	Reserves (excluding Revaluation Reserve) as shown in the Audited Balance Sheet of the previous year			60,622			55,861
8	Earning per Share (of Rs.10 each) (for continuing and discontinued operations)						
	1) Basic	0.59	2.85	9.17	0.06	3.35	7.91
	2) Diluted	0.59	2.86	9.17	0.56	2.32	7.91

Notes:

[illegible]

For Ajmera Realty & Infra India Ltd

Place: Mumbai
Date: 27 July 2020

Manoj I. Ajmera
Managing Director

PUBLIC NOTICE

[illegible]

PUBLIC NOTICE

[illegible]

पुणे महानगरपालिका

उप आयुक्त कार्यालय, परिमंडळ ३

निविदा जाहिरात - नालेसफाई

प्रसिद्धी दिनांक : २८/०७/२०२० सर्वात शेवटी नाव - दै. सकाळ / दै. बिजनेस स्टैंडर्ड

विक्री कालावधी दिनांक - २८/०७/२०२० ते ०६/०८/२०२० वेळ - दु. ३.०० पर्यंत संकेतांक क्र. - ०४ - DC - ३ - २०२०

स्वीकृती कालावधी दिनांक - २८/०७/२०२० ते ०६/०८/२०२० वेळ - दु. ३.०० पर्यंत टेंडर उघडणे दिनांक - ०७/०८/२०२० - दु. २.०० नंतर

अ.क्र.	निविदा क्र.	विभाग/क्षेत्रीय कार्यालय	कामाचे नाव	निविदा फी रक्कम	अंदाजपत्रकीय रक्कम	बयाणा रक्कम	कामाची मुदत
१	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
२	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
३	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
४	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
५	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
६	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
७	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
८	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
९	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
१०	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
११	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
१२	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
१३	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
१४	PMC/ZONE-3/2020/[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
१५	PMC/ZONE-3/2020/[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
१६	PMC/ZONE-3/2020/[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
१७	PMC/ZONE-3/2020/[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
१८	PMC/ZONE-3/2020/[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
१९	PMC/ZONE-3/2020/[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
२०	PMC/ZONE-3/2020/[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
२१	PMC/ZONE-3/2020/[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
२२	PMC/ZONE-3/2020/[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
२३	PMC/ZONE-3/2020/[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
२४	PMC/ZONE-3/2020/[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
२५	PMC/ZONE-3/2020/[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस
२६	PMC/ZONE-3/2020/[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] दिवस

1) पुणे म.न.पा. च्या कार्यक्षेत्रामधील ... (कामासाठीच्या पूर्वपात्रता अटी टेंडर नोटीस मध्ये नमूद केल्याप्रमाणे) ... अटी शर्ती वर ठेकेदाराने स्वाक्षरी करून ... अपलोड करावयाचे आहे.

2) सदर कामांबाबत निविदा अटी शर्ती व ... सर्व संबंधित निविदा संचामध्ये नमूद ... सदर कामाचे निविदा संच www.mahatenders.gov.in या वेबसाईटवर पाहण्यासाठी उपलब्ध आहेत. निविदा संचाची विक्री व स्वीकृती सदर वेबसाईटवरून फक्त ऑनलाईन पद्धतीने करण्यात येत आहे

3) ऑनलाईन निविदा प्रक्रिये संबंधी संपूर्ण माहितीसाठी पुढील क्रमांकावर संपर्क साधावा Contact No. ०१२०-४२००४६२/ ०१२०-४००१००२/ ९१-८८२६२४६५९३

4) निविदा विक्रीच्या शेवटच्या दिवशी निविदा संच प्राप्त न झाल्यास व विकृतीच्या शेवटच्या दिवशी ऑनलाईन सादरीकरण न झाल्यास याची सर्वस्वी जबाबदारी ठेकेदाराची राहील.

5) कार्यालयीन आदेश क्र. अ/प्रमुख (वि)/३२ दि. २२/०४/२०१६ नुसार बयाणा रक्कम ई.सी.एस./ आर. टि. जि. एस. / एन.ई.एफ.टी. सुविधेमार्फतच स्विकारणेत येणार आहे.

सही/-
(श्री. [illegible])
उप आयुक्त परिमंडळ क्र. ३
पुणे महानगरपालिका, पुणे)

Advt. No 4-DC-3-2020

पुण्य नगरी

सोमवार, २७ जुलै २०२० ‖ पुणे

Ann X

≡ MENU

Marathi

English
Marathi

पर्यावरण विषयक

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.

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 Complaince Report 19 MW Co-gen.(1st January 2020 to 30 June 2020)

On Line Monitoring report 2019-20

Envrionment 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.Enviornmental Clearance

On -Line monitoring Report Season 2018-19

6000 MT EC Complinace 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

Bhimashankar Sahakari Sakhar Karkhana

भीमाशंकर नगर, ता.आंबेगाव, जिल्हा.पुणे, Pin-412406

(02133)284341

bsskhrd@gmail.com

Ann I

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

Unique Application Number	*Submitted Date*
MPCB-ENVIRONMENT_STATEMENT-0000042278	05-06-2022

PART A

Company Information

Company Name	*Application UAN number*	
Bhimashankar Sahakari Sakhar Karkhana Ltd.	0000092460	
Address		
Dattatraynagar,Pargaon Tarfe Awasari Bk.		
Plot no	***Taluka***	***Village***
-	Ambegaon	Pargaon Tarfe Awasari Bk.
Capital Investment (In lakhs)	***Scale***	***City***
28174.0100	Red	Pargaon Tarfe Awasari Bk.
Pincode	***Person Name***	***Designation***
412406	Mr.Chandrakant G.Dhage	Managing Director
Telephone Number	***Fax Number***	***Email***
9975568130	0213328270	bsskltd@gmail.com
Region	***Industry Category***	***Industry Type***
SRO-Pune II	Red	R12 Sugar (excluding Khandsari)
Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
yes	Format1.0/CC/UAN No.MPCB-CONSENT-0000092460/CO-2009000301	2020-09-07
Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
2023-07-31	2000	Jul 3 2021 12:00:00:000AM
Industry Category Primary (STC Code) & Secondary (STC Code)		

Product Information

Product Name	*Consent Quantity*	*Actual Quantity*	*UOM*
Sugar	21600	21230	

By-product Information

By Product Name	*Consent Quantity*	*Actual Quantity*	*UOM*
Bagasse	46800	48671.51	
Molasses	7200	7841.81	

Pressmud	7200	5914.48	
Co-Generation	19	19	Mwh

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	1200.00	780.00
Cooling	0.00	0.00
Domestic	96.00	62.00
All others	0.00	0.00
Total	1296.00	842.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	650	570	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	0.008	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	841527.690	1201694.00	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Bagasse	46800	48671	

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)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
pH	7.5	7.0	00	5.5 to 9.0	Nil

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
SPM	115	105	00	105	Nil

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	0.260	0.270	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	00	00	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Boiler Ash	3850	4010	MT/A
ETP Sludge	00	2	MT/A

2) From Pollution Control Facilities

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

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Boiler Ash	4010	MT/A	-
ETP Sludge	2	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	6.40	510	14	1400	2.70	0.40

Part-H

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

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
1)Online Monitoring system for Effluent & Stack 2) Annual Maintenance of Effluent treatment plant	Control Air & Water Pollution	3.10

[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

Adopt New technology for Air & Water Pollution

Name & Designation

Mr.Chandrakant G. Dhage - Managing Director

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000042278

Submitted On:

05-06-2022

Ann(4)

File No.SIA/MH/IND2/59337/2020

Goverment of India

State Level Environment Impact Assessment Authority

Maharashtra

***

To,

M/s BHIMA SHANKAR SAHAKARI SAKHAR KARKHANA LIMITED
Dattatrayanagar, P.O. Pargoan via Awasari, Taluka: Ambegaon, Dist. Pune-410406,
Pune-410406
Maharashtra

Tel.No.02133-284231; Email:bsskltd@gmail.com

Sub. Terms of Reference to the Expansion of existing Distillery from 45 KLPD to 95 KLPD, Plot No. 148,206, Dattatraya Nagar, P.O. Pargaon via Awasari, Taluka: Ambegaon, Dist. Pune

Dear Sir/Madam,

This has reference to the proposal submitted in the Ministry of Environment, Forest and Climate Change to prescribe the Terms of Reference (TOR) for undertaking detailed EIA study for the purpose of obtaining Environmental Clearance in accordance with the provisions of the EIA Notification, 2006. For this purpose, the proponent had submitted online information in the prescribed format (Form-1) along with a Pre-feasibility Report. The details of the proposal are given below:

1. Proposal No.:	SIA/MH/IND2/59337/2020
2. Name of the Proposal:	Expansion of existing Distillery from 45 KLPD to 95 KLPD
3. Category of the Proposal:	Industrial Projects - 2
4. Project/Activity applied for:	5(g) Distilleries
5. Date of submission for TOR:	22 Dec 2020

Date : 24-12-2020

Manisha Patankar Mhaiskar
(Member secretary (SEIAA))

Office : **Room no. 217, second floor, mantralaya Annex, madam cama road, mumbai-32**
Phone No : **284231** Mobile : **9975515600**
Email id : **psec.env@maharashtra.gov.in**

Note : This is auto tor granted letter.

In this regard, under the provisions of the EIA Notification 2006 as amended, the Standard TOR for the purpose of preparing environment impact assessment report and environment management plan for obtaining prior environment clearance is prescribed with public consultation as follows:

5(g): STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR DISTILLERIES AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT

A. STANDARD TERMS OF REFERENCE

1) **Executive Summary**

2) **Introduction**

   i. Details of the EIA Consultant including NABET accreditation

   ii. Information about the project proponent

   iii. Importance and benefits of the project

3) **Project Description**

   i. Cost of project and time of completion.

   ii. Products with capacities for the proposed project.

   iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.

   iv. List of raw materials required and their source along with mode of transportation.

   v. Other chemicals and materials required with quantities and storage capacities

   vi. Details of Emission, effluents, hazardous waste generation and their management.

   vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)

   viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided

   ix. Hazard identification and details of proposed safety systems.

   x. Expansion/modernization proposals:

      a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing Icxisting operation of the project from SPCB shall be attached with the EIA-EMP report.

      b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification

2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4) **Site Details**

i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.

ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)

iii. Details w.r.t. option analysis for selection of site

iv. Co-ordinates (lat-long) of all four corners of the site.

v. Google map-Earth downloaded of the project site.

vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.

viii. Landuse break-up of total land of the project site (identified and acquired), government/ private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)

ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area

x. Geological features and Geo-hydrological status of the study area shall be included.

xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)

xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.

xiii. R&R details in respect of land in line with state Government policy

5) **Forest and wildlife related issues (if applicable):**

i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)

ii. Landuse map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland *(in case of projects involving forest land more than 40 ha)*

iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.

iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon

v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area

vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife

6) **Environmental Status**

i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.

ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.

iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.

iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.

v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.

vi. Ground water monitoring at minimum at 8 locations shall be included.

vii. Noise levels monitoring at 8 locations within the study area.

viii. Soil Characteristic as per CPCB guidelines.

ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.

x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.

xi. Socio-economic status of the study area.

7) **Impact and Environment Management Plan**

i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.

ii. Water Quality modelling - in case of discharge in water body

iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.

iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.

v. Details of stack emission and action plan for control of emissions to meet standards.

vi. Measures for fugitive emission control

vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.

viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.

ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.

x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.

xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.

xii. Action plan for post-project environmental monitoring shall be submitted.

xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

8) **Occupational health**

i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers

ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.

iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,

iv. Annual report of heath status of workers with special reference to Occupational Health and Safety.

9) **Corporate Environment Policy**

i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.

ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.

iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.

iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report

10) Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.

11) Enterprise Social Commitment (ESC)

i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time

bound action plan shall be included. Socio-economic development activities need to be elaborated upon.

12) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.

13) 'A tabular chart with index for point wise compliance of above TOR.

B. SPECIFIC TERMS OF REFERENCE FOR EIASTUDIES FOR DISTILLERIES

1. List of existing distillery units in the study area along with their capacity and sourcing of raw material.
2. Number of working days of the distillery unit.
3. Details of raw materials such as molasses/grains, their source with availability.
4. Details of the use of steam from the boiler.
5. Surface and Ground water quality around proposed spent wash storage lagoon, and compost yard.
6. Plan to reduce spent wash generation within 6-8 KL/KL of alcohol produced.
7. Proposed effluent treatment system for molasses/grain based distillery (spent wash, spent lees, condensate and utilities) as well as domestic sewage and scheme for achieving zero effluent discharge (ZLD).
8. Proposed action to restrict fresh water consumption within 10 KL/KL of alcohol production.
9. Details about capacity of spent wash holding tank, material used, design consideration. No. of peizometers to be proposed around spent wash holding tank.
10. Action plan to control ground water pollution.
11. Details of solid waste management including management of boiler ash, yeast, etc. Details of incinerated spent wash ash generation and its disposal.
12. Details of bio-composting yard (if applicable).
13. Action plan to control odour pollution.
14. Arrangements for installation of continuous online monitoring system (24x7 monitoring device)

***

प्रकल्प प्रवर्तक मेसर्स भीमाशंकर सहकारी साखर कारखाना लिमिटेड, दत्तात्रयनगर, मुक्काम पोस्ट पारगांव तर्फे अवसरी ब्रुद्रुक, तालुका - आंबेगांव, जिल्हा — पुणे, महाराष्ट्र यांच्या कार्यरत प्रकल्पात मंजूर असलेल्या मोलॅसिस/मळीवर आधारित आसवणी प्रकल्पाचा विस्तार ४५.० किलोलिटर प्रतिदिन ते ९५.० किलोलिटर प्रतिदिन क्षमतेचा करणेबाबत पर्यावरणविषयक जाहिर ऑनलाईन जनसुनावणी बाबतचा इतिवृतांत

प्रकल्प प्रवर्तक मेसर्स भीमाशंकर सहकारी साखर कारखाना लिमिटेड, दत्तात्रयनगर, मुक्काम पोस्ट - पारगांव तर्फे अवसरी ब्रुद्रुक, तालुका -आंबेगांव, जिल्हा — पुणे, महाराष्ट्र यांच्या कार्यरत प्रकल्पात मंजूर असलेल्या मोलॅसिस/मळीवर आधारित आसवणी प्रकल्पाचा विस्तार ४५.० किलोलिटर प्रतिदिन ते ९५.० किलोलिटर प्रतिदिन क्षमतेचा करणेबाबत पर्यावरणविषयक जाहिर ऑनलाईन जनसुनावणी दिनांक १५ जुलै, २०२१ रोजी दुपारी १२.०० वाजता जिल्हाधिकारी कार्यालय, पुणे येथे आयोजित करण्यात आलेली होती. पर्यावरण, वने व हवामान बदल मंत्रालय, भारत सरकार, नवी दिल्ली यांच्या दिनांक १४ सप्टेंबर, २००६ च्या पर्यावरण आघात मुल्यांकन अधिसूचनेनुसार सदस्य सचिव, महाराष्ट्र प्रदूषण नियंत्रण मंडळ, मुंबई यांनी कार्यालयीन आदेश नं. B-४८/२०२१, पत्र क्रं. बीओ/जेडी(ड्ब्लुपीसी/पीएच/बी-२१०६२९/एफ़टीएस-०२३७, दिनांक २९/०६/२०२१ व्दारे सदर जाहिर जनसुनावणी आयोजित करण्यासाठी

खालीलप्रमाणे समिती गठित केली:-

१) जिल्हादंडाधिकारी, पुणे, - अध्यक्ष,
किंवा त्यांचे प्रतिनिधी
(अपर जिल्हादंडाधिकारी यांच्यापेक्षा
कमी दर्जाचा नसावा)

२) प्रादेशिक अधिकारी, - सदस्य,
महाराष्ट्र प्रदूषण नियंत्रण मंडळ, पुणे
(महाराष्ट्र प्रदूषण नियंत्रण मंडळ, मुंबई यांचे प्रतिनिधी)

३) उप प्रादेशिक अधिकारी, पुणे-२ - समन्वयक
महाराष्ट्र प्रदूषण नियंत्रण मंडळ, पुणे

श्री. नितीन शिंदे, प्रभारी प्रादेशिक अधिकारी, पुणे, म.प्र.नि. मंडळ, पुणे तथा आयोजक, सदस्य, पर्यावरण विषयक जाहिर जनसुनावणी समिती यांनी माननीय डॉ. जयश्री कटारे, अप्पर जिल्हादंडाधिकारी, पुणे तथा अध्यक्षा, पर्यावरण विषयक जाहिर जनसुनावणी समिती व प्रकल्प प्रवर्तकांचे प्रतिनिधी व ऑनलाईन मोठ्या संख्येने उपस्थित असलेल्या स्थानिक जनतेचे स्वागत केले. समितीच्या अध्यक्षांच्या परवानगीने पर्यावरण विषयक जाहिर जनसुनावणी बाबतची प्रस्तावना विषद केली.

समन्वयक यांनी असे सांगितले की, भारत सरकारच्या पर्यावरण, वने व हवामान बदल मंत्रालय, नवी दिल्ली यांच्या दिनांक १४ सप्टेंबर, २००६ व सुधारित दिनांक १ डिसेंबर, २००९ च्या अधिसूचनेनुसार विशिष्ट प्रकल्पांना पर्यावरणविषयक अनुमती घेणे बंधनकारक असून त्यासाठी आगाऊ पर्यावरण विषयक जाहीर जनसुनावणी आयोजीत करणे बंधनकारक करण्यात आलेले आहे.

समन्वयक यांनी असे सांगितले की, प्रकल्प प्रवर्तक मेसर्स भीमाशंकर सहकारी साखर कारखाना लिमिटेड, दत्तात्रयनगर, मुक्काम पोस्ट - पारगांव तर्फे अवसरी ब्रुद्रुक., तालुका - आंबेगांव, जिल्हा - पुणे महाराष्ट्र यांच्या मंजूर असलेल्या मोलॅसिस/मळीवर आधारित आसवणी प्रकल्पाचा विस्तार ४५.० किलोलिटर प्रतिदिन ते ९५.० किलोलिटर प्रतिदिन क्षमतेचा करणेबाबत पर्यावरण विषयक जाहिर जनसुनावणी आयोजित करण्यासाठी अर्ज प्राप्त झाला होता. जरी प्रकल्प प्रवर्तकांना ४५.० किलोलिटर प्रतिदिन क्षमतेचा आसवणी उभारणीसाठी दिनांक ३१-०३-२०२० रोजी पर्यावरणीय मंजूरी मिळालेली असली, तरी सदर प्रकल्प अद्यापपर्यंत सुरु झालेला नाही. दरम्यानच्या काळात ऊस लागवडीचे प्रमाण वाढल्याने ऊसाच्या गाळपाची क्षमताही वाढविण्यात आली. त्यामुळे वाढीव मळीची उपलब्धता लक्षात घेऊन कारखाना व्यवस्थापनाने कार्यरत कारखान्यात ४५ केएलपीडी ते ९५ केएलपीडी क्षमतेचा आसवणी प्रकल्प उभारणीचा निर्णय घेतला.

सदरहू प्रकल्प घोषित औद्योगिक विभागाच्या परिसराबाहेर कार्यान्वित असून सदरहू प्रकल्प पर्यावरण अधिसूचना २००६ अन्वये संवर्ग अ ५(जी) मध्ये मोडत असल्याने सदरहू प्रकल्पास महाराष्ट्र शासनाच्या पर्यावरण व वातावरणीय बदल मंत्रालय, मुंबई यांची "पर्यावरण अनुमती" प्राप्त करणे व त्यासाठी आगाऊ पर्यावरण विषयक जाहिर जनसुनावणी घेणे बंधनकारक आहे.

सदस्य, आयोजक यांनी असे स्पष्टीकरण दिले की, पर्यावरण विषयक जाहिर जनसुनावणीचा मूळ उद्देश प्रकल्प परिसरातील सामान्य जनतेस प्रकल्पाविषयी व प्रकल्पामुळे होणारे परिणाम व त्याबाबत सामान्य जनतेच्या भावना जाणून घेणे, प्रकल्पात बंधनकारक असणाऱ्या प्रदूषण नियंत्रण संयत्रणेची माहिती सामान्य जनतेस देणे व त्यांनी दिलेल्या सूचनेचा विचार करणे आहे .

प्रकल्प प्रवर्तकांनी महाराष्ट्र शासनाच्या पर्यावरण व वातावरणीय बदल मंत्रालय, मंत्रालय, मुंबई यांना प्राथमिक मान्यता (ToR) प्रदान करण्यासाठी व पर्यावरण आघात मुल्यांकन अहवाल अर्जास ऑनलाईन मंजूरी दिनांक २४.१२.२०२० रोजी प्रदान केली.

वरिल पर्यावरण अधिसुचनेनुसार तीस दिवस अगोदर स्थानिक वृत्तपत्रात पर्यावरण विषयक जाहीर जनसुनावणी सूचना देणे बंधनकारक आहे. त्याअनुषंगाने उप-प्रादेशिक कार्यालय, पुणे-२, म.प्र.नि. मंडळ, पुणे यांनी स्थानिक वृत्तपत्र लोकसत्ता यात मराठीत व राष्ट्रीय वृत्तपत्र द इंडियन एक्सप्रेस यात इंग्रजीत दिनांक १० जून, २०२१ रोजी जाहिर सुनावणी सूचना दिलेली होती. त्यात सामान्य जनतेस उपरोक्त प्रकल्पाविषयी काही आक्षेप, हरकती, सूचना असल्यास ते लेखी नोंदविण्याचे आवाहन करण्यात आले होते. त्याचप्रमाणे जाहिर सूचनेत सर्व जनतेच्या माहिती साठी सूचना करण्यात आलेली होती की जरी सदरहू

जनसुनावणी ही प्रकल्प स्थानावर आयोजित करण्यात आलेली आहे, मात्र कोविड-१९ च्या पार्श्वभूमीमुळे ही जनसुनावणी झूम अप्लिकेशनव्दारे ऑनलाईन पध्दतीने घेण्यात येईल. त्यासाठी लिंकसुध्दा उपलब्ध करुन देण्यात आलेली होती. सदर लिंक खालीलप्रमाणे :- https://us02web.zoom.us/j/87377274183?pwd=OHRiUnR3O2pXOjRSYithdTJRWXZRZz09

त्याप्रमाणे नियोजित प्रकल्पाविषयीचा सर्व दस्तावेज- पर्यावरण मुल्यांकन आघाताची व कार्यकारी सारांशाची प्रत शासनाच्या अधिसूचित कार्यालयांमध्ये म्हणजे भारत सरकारच्या पर्यावरण, वने व हवामान बदल मंत्रालय, विभागीय कार्यालय, पश्चिम-मध्य विभाग, न्यू, सेक्रेटरिएट बिल्डिंग, तळमजला, ईस्ट विंग, सिव्हिल लाईन, नागपूर - ४४० ००१, मा. जिल्हादंडाधिकारी कार्यालय-पुणे, मा. अप्पर जिल्हादंडाधिकारी कार्यालय - पुणे, मुख्य कार्यकारी अधिकारी- जिल्हा परिषद, पुणे, महाव्यवस्थापक-जिल्हा उद्योग केंद्र, पुणे, तहसील कार्यालय-घोडेगांव, तालुका - आंबेगाव, जिल्हा - पुणे, ग्रामपंचायत कार्यालय-पारगांव तर्फे अवसारी बु. तालुका - आंबेगाव, जिल्हा - पुणे, मुख्यालय, महाराष्ट्र प्रदूषण नियंत्रण मंडळ, मुंबई, प्रादेशिक कार्यालय, महाराष्ट्र प्रदूषण नियंत्रण मंडळ, पुणे ,उप प्रादेशिक कार्यालय,पुणे-२ ,महाराष्ट्र प्रदूषण नियंत्रण मंडळ ,पुणे ,पर्यावरण व वातावरणीय बदल विभाग, मंत्रालय, मुंबई व महाराष्ट्र प्रदूषण नियंत्रण मंडळाच्या संकेत स्थळावर सामान्य जनतेसाठी उपलब्ध करण्यात आलेले होते .

सदस्य, आयोजक यांनी सांगितले की वरिल प्रस्तावित प्रकल्पाबाबत जाहिर सूचना प्रकाशित दिनांक १० जुन, २०२१ रोजी करण्यात आली. जाहिर सूचनेतच सर्वांच्या माहितीसाठी टिप्पणी देण्यात आलेली होती की कोविड-१९ च्या पार्श्वभूमीवर प्रकल्प स्थानावर जनसुनावणी आयोजित करण्यात येईल. मात्र जनसुनावणी दिवशी कोविड-१९ मुळे जर लॉकडाऊन/व्यक्तींना एकत्र येण्याचे निर्बंध असतील, तर सदरहू जनसुनावणी ही ऑनलाईन पध्दतीने आयोजित करण्यात येईल. सद्यस्थितीचा विचार करुन जिल्हा प्रशासनाने ऑनलाईन जनसुनावणी घेण्यासच परवानगी दिल्याने ही जनसुनावणी ऑनलाईन घेण्यात येत आहे.

सदस्य, आयोजक यांनी सांगितले की वरिल प्रस्तावित प्रकल्पाबाबत उप प्रादेशिक कार्यालय, पुणे-२ यांना काही सूचना व आक्षेप नोंदविण्यात आलेले आहेत. सदस्य, आयोजक यांनी उपस्थित असलेल्या सर्वांना त्यांचे काही आक्षेप, हरकती, सूचना असल्यास ती संधी देण्यात आलेली असून ते लेखी वा तोंडी स्वरुपात ती देऊ शकतात असे सांगितले.

सदस्य, आयोजक यांनी पर्यावरण विषयक जाहिर जनसुनावणी सुरु करण्याची विनंती मा. अध्यक्षांना केली .

अध्यक्षांच्या परवानगीने प्रकल्पाचे पर्यावरण सल्लागार यांनी प्रस्तावित प्रकल्पाविषयीचा संपूर्ण पर्यावरण व्यवस्थापन योजनेबाबत सादरीकरण केले.

पर्यावरण सल्लागार यांनी सांगितले की प्रस्तावित आसवणी प्रकल्पास एकूण खर्च हा रुपये ८२९३ लाख येणार असून पर्यावरण व्यवस्थापनाचा भांडवली खर्च रुपये १३४८ लाख एवढा येणार आहे. त्यांनी प्रकल्पाची पर्यावरण व्यवस्थापन योजनेची संपूर्ण माहिती दिली.

सादरीकरणानंतर सदस्य, आयोजक, पर्यावरणविषयक जाहिर लोकसुनावणी समिती यांनी उपस्थितांना त्यांचे काही आक्षेप, सूचना असल्यास त्या नोंदविण्याचे आवाहन केले. सूचना सांगण्याअगोदर आपले नाव व गावाचे नाव सांगण्यात यावे अशी त्यांनी माहिती दिली.

खालील व्यक्तींनी चर्चेत सहभाग घेतला व त्यांना प्रकल्प सल्लागार / प्रकल्प प्रवर्तक / पर्यावरणविषयक जाहिर जनसुनावणी समिती यांनी दिलेली उत्तरे याबाबतची माहिती पुढीलप्रमाणे आहे-

१) श्री वैभव साहेबराव बढेकर, राहणार - जारकरवाडी, तालुका आंबेगाव, जिल्हा-पुणे:-

अनु.क्रं	आक्षेप/सूचना/प्रश्न	उत्तर
१)	मी जाधववाडीला राहतो. कारखान्यापासून ५.० कि.मी. अंतरावर माझे गाव आहे. प्रकल्पातील हवा प्रदूषण कसे रोखता येईल?	हवा प्रदूषणाचा मुख्य स्त्रोत हा बॉयलरला जोडलेल्या चिमणीतून असतो. त्यासाठी आपण ६० मीटर्सची चिमणी लावणार आहोत. त्यास आपण वेट स्क्रबर किंवा ईएसपी (इलेक्ट्रो स्टॅटिक प्रेसिपेटर) हे अत्याधुनिक सयंत्रणा कार्यान्वित करण्यात येणार आहे. त्यामुळे ८०-८५% बाहेर येणारा धुर रोखला जातो. त्यामुळे आजूबाजूच्या हवेवर परिणाम होत नाही.

२) सौ. सुजाता रिठे, सरपंच, नागापूर, तालुका -आंबेगाव, जिल्हा-पुणे:-

अनु.क्रं	आक्षेप/सूचना/प्रश्न	उत्तर
१)	माझे गाव प्रकल्पापासून पाच कि.मी. अंतरावर आहे. प्रकल्पातील जल प्रदूषणाचा मुख्य स्त्रोत कोणता असणार आहे?	प्रकल्पात प्रदूषित पाणी निर्माण होते, त्यात स्पेंट वॉश, स्पेंट लिझ आणि कन्डेन्सेट हे मुख्य घटक असतात. त्यावर कारखान्यातच प्रक्रिया करणार असून कोणत्याही प्रकारे कारखान्यातून दुषित पाणी प्रकल्पाबाहेर सोडण्यात येणार नाही. दुषित पाण्यावर प्रक्रिया करुन ते कॉन्सन्ट्रेट (concentrate) करण्यात येईल त्यामुळे त्याचे प्रमाण (quantity) कमी करुन ते इन्सिनरेशन बॉयलरमध्ये इंधन म्हणून जाळण्यात येणार आहे. त्यामुळे कोणत्याही प्रकारचे प्रदूषित पाणी कारखान्याबाहेर जाणार नाही. सदरहू प्रकल्प हा शून्य द्रव निःस्सारण (झिरो लिक्विड डिस्चार्ज) प्रकल्प असेल.

३) श्री नवनाथ राजाराम मेहेत्रे, राहणार-शिंगवे पारगांव, तालुका -आंबेगाव, जिल्हा-पुणे:-

अनु.क्रं	आक्षेप/सूचना/प्रश्न	उत्तर
१)	मी कारखान्याच्या साडेतीन ते चार किलोमीटर अंतरावर राहतो. नविन आसवणी प्रकल्पामुळे स्थानिक लोकांना काही रोजगार मिळेल काय?	नविन आसवणी प्रकल्पात रोजगाराची संधी आहे. प्रकल्पात ९९ व्यक्तींची आवश्यकता आहे. त्यात स्थानिकांना रोजगाराची संधी देण्यात येईल.

४) सौ. सविता उबाळे, ग्रामपंचायत सदस्या, रांजणी, तालुका - आंबेगाव, जिल्हा-पुणे:-

अनु.क्रं	आक्षेप/सूचना/प्रश्न	उत्तर
१)	या आसवणी प्रकल्पातून कोणता घनकचरा बाहेर पडणार आहे?	प्रकल्पातून घन कचरा म्हणजे राख असते. ती बगॅस व स्पेंट वॉशची असते. ऊसाचे चिपाड असते, त्याचीही राख असते. त्यात पोटॅशियमचे प्रमाण हे जास्त असल्यामुळे शेतीसाठी उपयोगी असते. म्हणून ती शेतीसाठी देणार आहोत. त्याचप्रमाणे स्पेंटवॉशची जी राख बाहेर पडणार आहे, ती आपण शेतक-यांना खत म्हणून देणार आहोत

५) श्री बाळासाहेब लबडे, राहणार-पारगाव तर्फे अवसरी बुद्रुक, तालुका-आंबेगाव, जिल्हा-पुणे:-

अनु.क्रं	आक्षेप/सूचना/प्रश्न	उत्तर
१)	कारखान्यातून बाहेर पडणा-या धुरामुळे लोकांच्या आरोग्यावर परिणाम होईल काय?	कारखान्यातून लोकांच्या आरोग्यावर परिणाम होणारा कोणताही धुर बाहेर पडणार नाही. बॉयलरसाठी जे इंधन वापरणार आहोत, तो आपल्या कारखान्यातील बगॅस आहे. स्पेंट वॉश आहे, तो मुळचा हानीकारक नाही. तो जाळल्याने त्यापासून होणारी राख ही शेतात वापरण्यात येईल. कारण त्यात पोटॅशचे प्रमाण जास्त असते. प्रकल्पातून जो धुर बाहेर पडतो, तो नियंत्रित करण्यासाठी आपण हवा प्रदूषण नियंत्रण उपकरणे कार्यान्वित करणार आहोत. इएसपी किंवा वेट स्क्रबर ही अत्याधुनिक सयंत्रणा कार्यान्वित करण्यात येणार आहे. त्यामुळे ८५-९०% धुर हा नियंत्रित केला जातो. त्यामुळे अत्यंत अल्प प्रमाणात धुर बाहेर पडेल. त्याचा कुठलाच परिणाम लोकांच्या आरोग्यावर होणार नाही.

६) श्री संतोष वळसेपाटील, राहणार-निरगुडसर, तालुका-आंबेगाव, जिल्हा-पुणे:-

अनु.क्रं	आक्षेप/सूचना/प्रश्न	उत्तर
१)	प्रकल्पातील घन कच-याची कशी विल्हेवाट लावण्यात येईल?	प्रकल्पातून बॉयलरमधून राख बाहेर येते. हा मुख्य घन कचरा आहे. ती पोटॅशरिच असल्याने आपण शेतक-यांना खत म्हणून उपलब्ध करुन देण्यात येईल.

७) श्री सुनंदा रेड्डी, पर्यावरणवादी, अध्यक्ष, धरित्री पर्यावरण परिरक्षण संस्था, जिल्हा-नालगोंडा, राज्यः- तेलंगणा

अनु.क्रं	आक्षेप/सूचना/प्रश्न	उत्तर
१)	श्री सुनंदा रेड्डी, पर्यावरणवादी यांनी इंग्रजीत सांगितले की ते भारतातील सर्वात प्रथम असे पर्यावरणवादी आहेत की जो औद्योगिक विकासाचा आग्रह करत असतो. पर्यावरणवादी हे उद्योगांना विरोध करतात. पण मी नेहमी उद्योगविकासाचे समर्थन करतो. त्यांनी आसवणी विस्तारिकरणाबद्दल प्रकल्प प्रवर्तकांचे अभिनंदन केले. त्यांनी सांगितले की पर्यावरण संरक्षण आणि सुरक्षिततेच्या दृष्टीने ते काही सूचना देऊ इच्छितातः-अ) पर्यावरण सल्लागार यांनी प्रकल्पाच्या १० कि.मी. परिघाचे पाणी,हवा, जमिन यांचे आधारभूत सर्वेषण केलेले आहे. ते चांगले केलेले आहे. माझी विनंती आहे की कृपया प्रकल्पाच्या १० कि.मी. परिघातील जनतेची आरोग्याची सद्यस्थिती, पीक उत्पादनाची सद्यस्थिती व भूगर्भातील पाण्याची सद्यस्थिती याचा अहवाल तयार करण्याची सूचना केली. पर्यावरण समतोल अभ्यासासाठी त्याचा उपयोग होईल, ब) त्यांनी प्रकल्प विस्तारिकरणास पाठिंबा दिलेला असून त्यांनी लेखी सूचना उप प्रादेशिक कार्यालय, म.प्र.नि.मंडळ कार्यालयास ईमेलव्दारे परत सादर करणार असल्याची माहिती दिली, क) त्यांनी प्रकल्प प्रवर्तकांना सुरक्षितता व पर्यावरण संरक्षण करण्याची सूचना केली ड) श्री रेड्डी यांना पर्यावरण सल्लागार यांचे योग्यप्रकारे पर्यावरण आघात मुल्याकंन अहवाल तयार केल्याबद्दल त्यांचे अभिनंदन केले. इ) श्री रेड्डी यांनी पर्यावरण विषयक जाहिर जनसुनावणी समितीस प्रकल्पास बिनशर्त परवानगी प्रदान करण्याची शिफारस पर्यावरण, वने व हवामान बदल विभागास करण्याची विनंती केली.	सूचनांची नोंद घेण्यात आली.

यावेळी सदस्य,आयोजक, पर्यावरणविषयक जाहिर जनसुनावणी समिती यांना ऑनलाईन उपस्थितांना आवाहन केली की त्यांच्या काही सूचना, आक्षेप किंवा टिका-टिप्पणी असल्यास त्या उपस्थित करण्यात याव्यात.

८) श्री उज्जवला वाळळ, ग्रामपंचायत सदस्या,शिंगवे, तालुका-आंबेगाव, जिल्हा-पुणे:-

अनु.क्रं	आक्षेप/सूचना/प्रश्न	उत्तर
१)	कारखान्यापासून आमचे गाव हे अडीच-तीन कि.मी. लांब आहे. माझा प्रश्न असा आहे की पाण्याचे प्रदूषण कमी करण्यासाठी कोणत्या उपाययोजना केल्या जाणार आहेत?	कारखान्यातील पाण्याचे प्रदूषण मुख्यत: स्पेंट वॉश, स्पेंट लिझ आणि कन्डेन्सेट ह्या मुख्य घटकांमुळे होऊ शकते. त्यावर कारखान्यातच प्रक्रिया करणार आहोत. दुषित पाण्यावर प्रक्रिया करुन ते कॉन्सन्ट्रेट (concentrate) करण्यात येईल त्यामुळे त्याचे प्रमाण (quantity) कमी करुन ते इन्सिनरेशन बॉयलरमध्ये इंधन म्हणून जाळण्यात येणार आहे. स्पेंटलीझ आणि कन्डेन्सेट प्रदूषित घटक आहेत, त्यास आर.ओ. किंवा कन्डेनसेट पॉलिशिंग युनिट (सीपीयु) कार्यान्वित करणार असून त्यात प्रक्रिया केलेल्या पाण्याचा प्रक्रियेत पुनर्वापर करण्यात येणार आहे. कोणत्याही प्रकारे कारखान्यातून दुषित पाणी प्रकल्पाबाहेर सोडण्यात येणार नाही.

बैठकीचा समारोप करताना अध्यक्षा, पर्यावरणविषयक जाहिर जनसुनावणी समिती यांनी सांगितले की आपण दुपारी १२ वाजल्यापासून बैठकीस सुरवात केलेली आहे. सादरीकरणानंतर बऱ्याच ऑनलाईन उपस्थित असलेल्यांनी प्रस्तावित प्रकल्पाविषयी सूचना केलेल्या आहेत. त्याची नोंद घेण्यात आलेली आहे. अजूनही कोणासही सूचना, आक्षेप नोंदवावयाचे असल्यास त्या नोंदवाव्यात. उपस्थितांना आवाहन करण्यात आले. उपस्थितांकडून कोणताच प्रतिसाद नाही. त्यावेळी अध्यक्षा यांनी सांगितले की कदाचित उपस्थितांपैकी कोणाला ऑनलाईन सूचना करताना अडथळा आला असेल वा इतर कोणाला सूचना, आक्षेप नोंदविण्याचे असल्यास त्यांना स्थानिक म.प्र.नि.मंडळाच्या ईमेल वर पाठवाव्यात. आपण उपस्थित केलेल्या सूचना, आक्षेप ग्राह्य धरण्यात येऊन शासनास पुढील कार्यवाहीसाठी सादर करण्यात येतील. त्यांनी सदस्य यांना मेल आयडी तोंडी सांगण्याची सूचना केली. अध्यक्षा यांनी सूचना करण्यासाठी थोडा अवधी दिला व प्रतिसाद नसल्यास बैठक संपन्न् करण्याच्या सूचना दिल्या.

सदस्य, आयोजक, पर्यावरणविषयक जाहिर जनसुनावणी समिती यांनी उपस्थितांना सूचना, आक्षेप नोंदविण्याचे आवाहन करताना सांगितले की वृत्तपत्रात जाहिर सूचना देताना व त्याचप्रमाणे ग्रामपंचायत व इतर अधिसूचित शासकीय कार्यालयात दस्तावेज उपलब्ध करताना पत्रात ईमेलआयडी देण्यात आलेला आहे. गुगलवर जरी एमपीसीबी टाकले, तरी त्यावर वेबसाईटचा पत्ता उपलब्ध होऊ शकतो. तरीही त्यांनी ईमेलआयडी उपस्थितांच्या माहितीसाठी तोंडी सांगितला.

१) sropune2@mpcb.gov.in;

२) ropune@mpcb.gov.in

त्यांनी सांगितले की वरिल ईमेलआयडीवर आपण आपल्या सूचना, आक्षेप नोंदवू शकता.

सदस्य, आयोजक, पर्यावरणविषयक जाहिर जनसुनावणी समिती यांनी मत मांडले की बराच काळ थांबून आवाहन करण्यात आले. उपस्थितांकडून प्रतिसाद नसल्याने प्रश्न संपल्याचे गृहित धरुन त्यांना माननीय अध्यक्षा, शासकीय अधिकारी, जिल्हाधिकारी कार्यालयातील ऑनलाईन यंत्रणा हाताळणी करणारे अधिकारी व कर्मचारी, प्रकल्प अधिकारी, पर्यावरण क्षेत्रातील कार्यरत संस्था ऑनलाईन उपस्थितांचे, बैठकीस उपस्थित राहिल्याबद्दल आभार मानले आणि माननीय अध्यक्षा यांच्या वतीने जनसुनावणी संपन्न झाल्याचे घोषित केले.

माननीय अध्यक्षांचे आभार मानून जनसुनावणी ही संस्थगित करण्यात आली.

(नितीन शिंदे),
सदस्य, समन्वयक,
पर्यावरणविषयक जाहिर जनसुनावणी समिती
तथा
उप- प्रादेशिक अधिकारी, पुणे - २,
महाराष्ट्र प्रदूषण नियंत्रण मंडळ,पुणे

(डॉ. जयश्री कटारे)
अध्यक्षा,
पर्यावरणविषयक जाहिर जनसुनावणी समिती
तथा
अप्पर जिल्हादंडाधिकारी — पुणे,
जिल्हा-पुणे

MINUTES OF THE ONLINE PUBLIC HEARING FOR PROPOSED EXPANSION OF SANCTIONED MOLASSES BASED DISTILLERY UNIT FROM 45.0 KLPD TO 95.0 KLPD PROPOSED BY PROJECT PROPONENT M/S BHIMASHANKAR SAHAKARI SAKAHR KARKHANA LTD., (BSSKL), AT – DATTATRAYANAGAR, POST – PARGAON VIA AWASARI BK, TAL- AMBEGAON, DIST – PUNE.

The online Public Hearing for proposed expansion of sanctioned Molasses Based Distillery Unit from 45.0 KLPD to 95.0 KLPD proposed by Project Proponent M/s Bhimashankar Sahakari Sakhar Karkhana Ltd., (BSSKL), At – Dattatrayanagar, Post – Pargaon Via Awasari BK, Tal-Ambegaon, Dist – Pune was conducted on dated 15th July, 2021 at Collector Office, Pune at 12.00 noon.

As per the Environment Impact Assessment (EIA) Notification dated 14th September, 2006 as issued by Ministry of Environment, Forest & Climate Change (MoEF & CC), Govt. of India (GoI), New Delhi and subsequent amendment on date 01-12-2019, Member Secretary, Maharashtra Pollution Control Board vide Office Order No. E-48 of 2021 under letter no.BO/JD (WPC)/PH/B-210629/FTS-0237, Dated 29-06-2021 has constituted following Environment

Public Hearing Committee: -

1) District Magistrate, Pune or his representative not below the rank of an Additional District Magistrate - **Chairman**
2) Regional Officer, MPCB, Pune (Representative of Maharashtra Pollution Control Board) - **Member**
3) Sub Regional Officer, Pune-2, Maharashtra Pollution Control Board, Pune - **Convener**

Shri Nitin Shinde, Sub-Regional Officer, MPCB, Pune-2, Member, Convener of the Environment Public Hearing Committee welcomed Dr. Jayashree Katare, Additional District Magistrate, Pune and Chairperson, Environment Public Hearing Committee, Company Officials, officials of the Collector Office who handled online system, government officials, NGOs working in the field of environment, journalists and online participants who were present in large number and informed that as per the Environment Impact Assessment Notification of Ministry of Environment, Forest & Climate Change, Govt. of India, (i.e. MoEFCC, GoI) dated 14th September, 2006 as amended on 1st December, 2009, it is mandatory to conduct prior public consultation to certain projects which are covered in the schedule of the said Notification. Maharashtra Pollution Control Board, Mumbai was in receipt of application of M/s Bhimashankar Sahakari Sakhar Karkhana Ltd., (BSSKL), at Dattatrayanagar, Post – Pargaon Via Awasari BK, Tal – Ambegaon, Dist. – Pune for proposed expansion of sanctioned Molasses Based Distillery Unit from 45.0 KLPD to 95.0 KLPD at the existing site of the industry. Member, Convener of the Environment Public Hearing Committee informed that though Project Proponent has obtained Environment Clearance for the 45.0 KLPD Distillery unit, the project is not still commissioned. Meanwhile, cultivation of sugarcane crop has increased, hence the crushing capacity of the factory is also increased. Hence, considering the availability of additional molasses and increased demand in the market, the factory management has planned to commission the increased capacity of sanctioned distillery from 45.0 KLPD to 95.0 KLPD.

The Convener further informed that, as per EIA Notification, 2006 the category of project falls under Category A 5 (g). The aim of conducting prior public consultation is to make aware, local people who can be participant in the hearing and they should know the developmental activities and Environment Management Plan of the unit.

Project Proponent had submitted online prescribed application along with pre-feasibility report to the MoEFCC, GoI for Terms of Reference (ToR) for conduct of EIA studies and MoEFCC, GoI, New Delhi considered the project and given online approval on dated 24.12.2020.

As per said Notification, 30 days' advance public notice was published in the local newspaper in Daily Loksatta for Marathi and in national newspaper Daily Indian Express for English on dated 10-06-2021 The public were appealed to send their

(42)

suggestions, views, doubts or objections regarding the proposed expansion of the sanctioned molasses-based distillery unit.

Also copy of EIA report and executive summery were made available at various notified offices of Government i.e. Ministry of Environment, Forest & Climate Change, Zonal Office, West Central Zone, New Secretariat Building, Ground Floor, East Wing, Civil Line, Nagpur-440 001; District Magistrate Office, Pune; Additional District Magistrate Office, Pune; Zilla Parishad Office, Pune; District Industries Centre Office, Pune; Tahsildar Office- Ghodegaon, Tal-Ambegaon, Dist, Pune; Grampanchayat office at Pargaon via Awasari BK, Tal-Ambegaon, Dist- Pune; Sub Regional Office, MPCB, Pune-2; Regional Office, MPCB, Pune and Head Office of MPCB at Mumbai, Environment & Climate Change Department, Govt. of Maharashtra, Mumbai and on MPCB website. The public in general were appealed to send any suggestion or objection regarding the proposed Distillery expansion. The Convener further informed that written suggestions are received by local MPCB Office through E-mail. He appealed Chairperson of the Committee to allow to start the proceedings.

Member, Convener of the Environment Public Hearing Committee informed that public notice was published on dated 10th June, 2021. It is also informed that on site Public Hearing will be conducted at project site with Covid-19 guidelines and if there is lock down/restrictions the Public Hearing meeting will be held online, for which link (https://us02web.zoom.us/j/87377274183?pwd=OHRiUnR3Q2pXQjRSYithdTJRWXZRZz09) was made available in the public notice.

District Administration directed to conduct online meeting considering the pandemic situation, hence online meeting is arranged.

With the permission of the Hon'ble Chairperson of the Public Hearing Committee, Project Environment Consultant gave the presentation on Environment Management Plan of the project.

Environment Consultant informed the total cost for the proposed increase in the capacity of distillery will be Rupees 8293 lakh. The capital cost for the Environment Management will be Rupees 1348 lakh. Environment Consultant gave the detailed information of Environment Management Plan.

After the presentation, Convener of the Public Hearing Committee appealed the participants to raise their suggestions, objections regarding Environment Management Plan of the project.

FOLLOWINGS HAVE PARTICIPATED DURING THE DISCUSSIONS, QUESTIONS AND ANSWER GIVEN BY PROJECT PROPONENT :-

1) **Shri Vaibhav Sahebrao Badhekar, Residence – Jarkarwadi, Tal – Ambegaon, Dist – Pune :-**

Sr. No.	Objection/Suggestion/Question	Answer
1)	I am staying at Jadhavwadi. My village is 5.0 k.m. from the project. How the air pollution will be prevented from the project?	The main source of air pollution is stack/chimney attached to the boiler. Hence, we are installing 60 meters height of chimney to the boiler. The most advanced devices like wet scrubber or ESP (Electro Static Precipitator) will be provided to it, due to which 80-85% of smoke will be prevented. Hence, there will not any ill-effects on the surrounding areas.

2) **Sou. Sujata Rithe, Sarpanch, Nagapur, Tal -Ambegaon, Dist – Pune :-**

Sr. No.	Objection/Suggestion/ Question	Answer
1)	My village is just 5.0 kilometre from the project. What will be the main source of water pollution in the project?	The main components of water pollution in the project are spent wash, spent lease and condensate. The treatment will be given in the factory premises only. Not a drop of treated effluent will be discharged outside the factory. The treated effluent will be concentrated and the quantity of it will be minimised and then it will be used as fuel in the Incineration Boiler. Hence, the treated effluent will not go outside the factory. This project is ZLD i.e. Zero Liquid Discharge Project.

3) Shri Navnath Rajaram Mehetre, Residence – Shingave Pargaon, Tal – Ambegaon, Dist-Pune:-

Sr. No.	Objection/Suggestion/ Question	Answer
1)	I am staying from 3.5 – 4.0 kilometre away from the factory. Due to this expansion of the project, whether local people will get job opportunities?	There are job opportunities in the new distillery project. There will be requirement of 99 persons in the plant. Local people will be given opportunity in the job.

4) Mrs.Savita Ubale, Grampanchayat Member, Ranjani, Tal – Ambegaon, Dist – Pune:-

Sr. No.	Objection/Suggestion/ Question	Answer
1)	Which solid waste will be generated from this Distillery Plant?	The ash will be produced. It will be from bagasse and spent wash. The ash will also be produced from sugarcane, small bagasse in which potassium is in large quantity. As it is useful for agriculture, it will be made available to the farmers to use as fertiliser.

5) Shri Balasaheb Labade, Residence – Pargaon Via Avasari Budruk, Tal – Ambegaon, Dist-Pune:-

Sr. No.	Objection/Suggestion/ Question	Answer
1)	Whether the smoke coming out of the factory will affect the health of the people?	No smoke will be emitted from the factory which will affect the health of the people. The fuel which will be used for boiler is bagasse from the factory. Basically, spent wash is not at all harmful. After burning of spent wash, the produced ash will be used in the agriculture fields as contains of potassium is large in it. The most modern devices i.e. Wet Scrubber or ESP (Electro Static Precipitator) will be installed due to which 85-90% smoke will be controlled. Hence generation of smoke will be very meagre. There will not be any ill-effects on the health of the people residing near the vicinity of the plant.

6) Shri Santosh Walse Patil, Residence – Nirgudsar, Tal – Ambegaon, Dist-Pune:-

Sr. No.	Objection/Suggestion/ Question	Answer
1)	How will the solid waste from the project will be disposed off?	The ash which will be generated from the boiler in the form of solid waste. The ash will be potash-rich and it will be made available to local farmers for use in agriculture fields.

7) Shri Sunanda Reddy, Environmentalist, President, Dharitri Paryavaran Parirakshana Sanstha, Dist – Nalgonda, Telangana State :-

Sr. No.	Objection/Suggestion/Question	Answer
	Shri Sunanda Reddy, an Environmentalist has informed in English that he is the first Environmentalist in India who supports industrial development. Almost all environmentalist in India opposes industrial development. But I always support the industrial development. He congratulated Project Proponent for deciding the expansion. He said for environment protection and safety, he desires to give few suggestions: - a) He said that Environment Consultant of the project has carried the survey of the periphery of the project of water, air and soil. It is good. b) Shri Sunanda Reddy requested to study the health status, crop pattern and present status of the ground water of the10 k.m. radius. It will help for keeping environment balancing study. c) Shri Reddy informed that he supported the project and written objections raised by him	Suggestions are noted.

	are informed. He said that he will again sent the suggestions by email to local MPCB office. d) He suggested to make Safety & Environment Protection Rules. e) Shri Reddy congratulated Environment Consultant for preparing the EIA report in a right manner. f) He suggested to undertake in hand the programme of avenue plantation with green belt development in nearby villages. g) Shri Reddy also suggested Environment Public Hearing Committee to recommend MoEFCC, Govt. of India to give unconditional permission.	

At this moment, Member, Convener of the Environment Public Hearing Committee appealed all online participants to raise their views, suggestions or objections if any.

8) **Shri Ujjawala Vavhal, Member, Grampanchayat, Shingave, Tal – Ambegaon, Dist – Pune:-**

Sr. No.	Objection/Suggestion/ Question	Answer
1)	I am staying 2.5-3 k.m. away from the factory. My question is which steps will be initiated to minimise the water pollution?	The main components which create water pollution from the factory are spent wash, spent lease and condensate. It will be treated in the factory only. The treated effluent will be concentrated and the quantity of it will be minimized and it will be burnt in the Incineration Boiler as fuel. The spent lease and condensate are the polluted components which will be treated in R.O. system or in CPU (Condensate Polishing Unit) which will be installed in the project. After treatment in RO system or in CPU, the water will be recycled and reused in the process. There will not be any generation of any effluent outside the factory.

While concluding the meeting, Chairperson, Environment Public Hearing Committee said that this meeting is started on 12.00 noon and many online participants have raised their suggestions. The suggestions, views, objections have been noted and it will be included in the minutes of the meeting. She further appealed online participants to raise their views if any. It will be noted. There was no response from the participants.

Then Chairperson, Environment Public Hearing Committee expressed the opinion that if anybody might have faced difficulty to handle the online connection or there may be few persons who desired to raise their views by mail, they can send it on local MPCB office. The suggestions, objections raised by email will also be noted and it will be sent to Government for further action. She informed Convener of the meeting to make available the email id. She said that she is giving few time if anybody desires to raise any question, if there is no question, then the meeting will be concluded. As there was no response, she asked Member, Convener of the meeting to conclude the meeting.

Member, Convener, Environment Public Hearing Committee while appealing to raise any doubts, questions informed that while publishing public notice in news and making available all the relevant documents i.e. executive summary in Marathi, English at notified government offices, grampanchayat offices, E-mail id is made available on the covering letter. If anybody types just MPCB on Google, the website address gets. For information to all, Convener of the meeting orally informed the mail address as -

a) sropune2@mpcb.gov.in;

b) ropune@mpcb.gov.in

Convener informed to send views, suggestions of any on above referred addresses.

Member, Convener, Environment Public Hearing Committee expressed the opinion that more than enough time is given to participants to raise their views. As there is no response, it seems that there is no questions. Hence, the Public Hearing is concluded. Member, Convener of the Environment Public Hearing Committee thanks Chairperson of the meeting, Government Officials, the officials who handled the online system at District Collector Office, Project Officials, NGOs working in the field of environment and on behalf of Chairperson of the meeting, declared that meeting is concluded.

The meeting ended extending thanks to the Chair.

(Nitin Shinde),
Convener, Member,
Environment Public Hearing Committee
And
Sub- Regional Officer, Pune-2,
Maharashtra Pollution Control Board
Pune

(Dr. Jayashree Katare)
Chairperson,
Environment Public Hearing Committee
And
Additional District Magistrate – Pune
Dist – Pune

Acknowledgement Slip for EC application

This is to acknowledge that the proposal has been successfully uploaded on the portal of the Ministry. The proposal shall be examined in the Ministry to ensure that required information has been submitted. An email will be sent seeking additional information , if any, within 20 working days. Once verified, an acceptance letter shall be issued to the project proponent .

Following should be mentioned in further correspondence

1. Proposal No.	: SIA/MH/IND2/74065/2020
2. Category of the Proposal	: Industrial Projects - 2
3. Name of the proposal	: Expansion of existing Distillery from 45 to 95 KLPD of Bhimashankar Sahakari Sakhar Karkhana Ltd., at Dattatraynagar, Tal. Ambegaon, Dist. Pune, Maharashtra at Dattatraynagar – Pargaon (Tarf. Awasari
4. Date of Receipt of Proposal	: 28 Mar 2022
5. Date of TOR Granted	: 24 Dec 2020
6. Date of submission for EC	: 28 Mar 2022

6. Name of the Project proponent along with contact details

a) Name of the proponent	: BHIMA SHANKAR SAHAKARI SAKHAR KARKHANA LIMITED
b) State	: Maharashtra
c) District	: Pune
d) Pincode	: 410406

Gmail

MAIL IN 9408
Date:29/3/2022

Bhimashankar S.S.K. Ltd Pargaon <bsskltd@gmail.com>

Acceptance Letter for EC Application(SEIAA)

1 message

dattatray.bhalerao@nic.in <dattatray.bhalerao@nic.in> Tue, Mar 29, 2022 at 10:33 AM
To: bsskltd@gmail.com
Cc: monitoring-ec@nic.in, psec.env-1@maharashtra.gov.in

Acceptance Letter for EC

F.No.- SIA/MH/IND2/53997/2020

State Environment Impact Assessment Authority

Maharashtra

Environment Dept 15 th Floor, New Administrative Building.,Mantralaya Mumbai.

Dated: 29 Mar 2022

To,

BHIMA SHANKAR SAHAKARI SAKHAR KARKHANA LIMITED
, Pune
Maharashtra , 410406

Subject : Expansion of existing Distillery from 45 to 95 KLPD of Bhimashankar Sahakari Sakhar Karkhana Ltd., at Dattatraynagar, Tal. Ambegaon, Dist. Pune, Maharashtra at Dattatraynagar – Pargaon (Tarf. Awasari

Sir,

This has reference to your proposal No. SIA/MH/IND2/74065/2020 dated 28 Mar 2022 regarding grant of Environmental/CRZ Clearance for the above mentioned proposal.

2. This is to acknowledge that the soft copies of EIA/EMP/other reports along with the proceedings of Public Hearing (if applicable to the instant project) have been uploaded on Parivesh Portal.

Yours Sincerely

SEIAA, Maharashtra

PM Rtup 30/3

Form-2

APPLICATION FOR PRIOR ENVIRONMENTAL CLEARANCE

S. No.	Item	Details
	Whether it is a violation case and application is being submitted under Notification No. S.O.804(E) dated 14.03.2017 ?	No
	Details of Project:	
1.	(a)Name of the project(s)	Expansion of existing Distillery from 45 to 95 KLPD of Bhimashankar Sahakari Sakhar Karkhana Ltd., at Dattatraynagar, Tal. Ambegaon, Dist. Pune, Maharashtra at Dattatraynagar – Pargaon (Tarf. Awasari Bk.), Tal. Ambegaon, Dist. Pune – Maharashtra by M/s. Bhimashankar Sahakari Sakhar Karkhana Limited
	(b)Name of the Company / Organisation	BHIMA SHANKAR SAHAKARI SAKHAR KARKHANA LIMITED
	(c)Registered Address	Plot No. 148,206, Dattatraya Nagar, P.O. Pargaon via Awasari, Taluka: Ambegaon, Dist. Pune,,Pune,Maharashtra-410406
	(d)Legal Status of the Company	Others
	Address for the correspondence:	
	(a)Name of the Applicant	Chandrakant Gangadhar Dhage
	(b)Designation (Owner/ Partner/ CEO)	Managing Director
	(c)Address	Dattatrayanagar, P.O. Pargoan via Awasari, Taluka: Ambegaon, Dist. Pune-410406,,Ambegaon,Pune,Maharashtra-410406
2.	(d)Pin code	410406
	(e)E-mail	bssklld@gmail.com
	(f)Telephone No.	2133-284231
	(g)Fax No.	
	(h)Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency ,	Annexure-Uploaded Copy of documents in support of the competence/authority
	Category of the Project/Activity as per Schedule of EIA Notification,2006:	
	(a)Major Project/Activity	**5(g) Distilleries**
	(b)Minor Project/Activity	**NIL**
3.	(c)Category	**B1**
	(d)Proposal Number	**SIA/MH/IND2/74065/2020**
	(e)Master Proposal Number(Single Window)	**SW/263047/2022**
	(f)EAC concerned (for category A Projects only)	**Industrial Projects - 2**
	(g)Project Type	**Expansion**
	Location of the Project:	
	(a)Plot/Survey/Khasra No.	148,150,151,152,153,. 154,155,157,158,159
	(b)Pincode	412406
	(c)Bounded Latitudes (North)	
	From	
	Degree	18
	Minutes	58
	Second	50
	From	
	Degree	18
	Minutes	58
	Second	19
	(d)Bounded Longitudes (East)	
	From	
4.	Degree	74
	Minutes	5
	Second	25
	From	
	Degree	74
	Minutes	5
	Second	20
	(e)Survey of India Topo Sheet No.	47E/16, 47F/13, 47J/1, 47I/4
	(f)Uploaded Topo Sheet File	Copy of Topo Sheet File
	(g)Maximum Elevation Above Means Sea Level(AMSL)	617
	(h)Uploaded (kml) File	Copy of Kml File
	(i)Distance of Nearest HFL from the project boundary within the study area	0.21
	(j)Seismic Zone	4
5.	(a)Number of States in which Project will be Executed	1
	(b)Main State of the project	Maharashtra

Details of State(s) of the project

103

S. No.	State Name	District Name	Tehsil Name	Village Name
(1.)	Maharashtra	Pune	Ambegaon	Dattatraynagar – Pargaon (Tarf. Awasari Bk.)

6. Details of Terms of Reference (ToR)/EC:

(a)MoEF&CC / SEIAA File Number	SIA/MH/IND2/53997/2020
(b)Date of Apply of TOR	20 Dec 2020
(c)Date of Issue of TOR / Standard ToR	24 Dec 2020
(d)Date of Apply of EC	
(e)Date of Issue of EC	
(f)Previous TOR Letter	Copy of Previous TOR letter
(g)Previous EC Letter	Copy of Previous EC letter

7. Details of Public Consultation:

(a)Whether the Project Exempted from Public Hearing?	No
(b)Whether details of Public Hearing available?	Yes
(c)Whether Public hearing was presided over by an officer of the rank of Additional District Magistrate or above	Yes

7.1. Details of Public Hearing

S. No.	Details of Advertisement	Details of Public Hearing	Venue	Location Details	No. of People Attended	Issues Raised	Designation of Presiding Officer	Other Designation of Presiding Officer
(1.)	Date of Advertisement : 10 Jun 2021 Copy of advertisement : Copy of Advertisement	Copy of Public Hearing : Copy of Public Hearing Date : 15 Jul 2021 Distance of Public Hearing Venue from the Proposed Project : 0	M/s Bhimashankar Sahakari Sakhar Karkhana Ltd., (BSSKL), At – Dattatraynagar, Post–Pargaon Via Awasari BK, Tal-Ambegaon, Dist. - Pune	State : Maharashtra District : Pune Tehsil : Ambegaon Village : Dattatraynagar, Post–Pargaon Via Awasari BK	30	Regarding air pollution control management, Water pollution control management, Odour pollution control management, Employment generation	District Magistrate	

8. Details of Project Configuration/Product:

Details Not Applicable

9. In case of Expansion / Modernisation / One Time Capacity Expansion (only for Coal Mining) / Expansion under Clause 7(ii) / Modernisation under Clause 7(ii) / Change of Product Mix under Clause 7(ii):

(a)Details of certified report on compliance of earlier environmental clearance condition

(i)Certified Compliance By	Regional
(ii)Details of Regional Office of MoEFCC / Zonal Office of CPCB / SPCB / UTPCC from which certified report on	Nagpur
(iii)Letter No.	F.No:EC-887/RON/2018-NGP/8332
(iv)Status of Compliance	Partially Complied
(v)Certified report on compliance of earlier environmental clearance conditions (Including Monitoring Report)	Copy of Certified Compliance Report
(vi)Date of site visit	N/A

(b)Details of Capacity Expansion

S. No.	Product/Activity (Capacity/Area)	Quantity From	Quantity To	Total Quantity	Unit	Other Unit	Mode of Transport / Transmission of Product	Other Mode of Transport / Transmission of Product
(1.)	ENA/RS/AA/Ethanol	45	50	95	Kilo Litre per Day(KLD)		Road	

(c)Details of Configuration

S. No.	Plant / Equipment / Facility	Existing Configuration	Proposed Configuration	Final configuration after expansion	Remarks
(1.)	Distillery	45 KLPD	50 KLPD	95 KLPD	NA

9.1. Details of Consent to Operate

(i)Whether Consent to operate obtained ?	NA
(ii)Copies of all Consent to operate obtained since inception	NA
(iii)Date of Issue	24 Mar 2022
(iv)Valid Upto	24 Mar 2022
(v)File No.	NA
(vi)Application No.	NA
(vii)Copy of Consent to operate valid as on date	Copy of Consent to Operate

104

10.	**Project Cost:**	
	(a)Total Cost of the Project at current price level (in crores)	99.29
	(b) Funds Allocated for Environment Management (Capital) (in crores)	3.8
	(c) Funds Allocated Towards ESC (Entrepreneur Social Responsibility) (in crores)	0.9929
	(d) Funds Allocated for Environment Management Plan (EMP) (Recurring per Annum) (in crores)	0.3
	(e) Funds Allocated for Environment Management Capital(%)	3.83
11.	**Whether project attracts the General Condition specified in the Schedule of EIA Notification ?**	No
12.	**Whether project attract the Specific Condition specified in the Schedule of EIA Notification ?**	No
13.	**Raw Material / Fuel Requirement:**	
	(a)Proposed quantity of raw material/fuel	430020
	(b)Existing quantity of raw material/fuel	57090
	(c)Total quantity of raw material/fuel	487110

13.1. **Raw Material / Fuel Profile**

S. No.	Raw Material / Fuel	Quantity	Unit	Other Unit	Source (incase of Import, please specify country and Name of the port from which Raw Material / Fuel is received)	Mode of Transport	Other Mode of Transport	Distance of Source from Project Site (in Kilometres) (In case of import, distance from the port from which the raw material / fuel is received)	Type of Linkage	Other Type of Linkage	Uploaded Copy of Linkage
(1.)	Sugarcane Syrup	300000	Tons per Annum		own sugar factory	Pipe Conveyor		0	Others	NA	Copy of Linkage
(2.)	C Molasses	89100	Tons per Annum		own sugar factory	Pipe Conveyor		0	Others	NA	Copy of Linkage
(3.)	B-molasses	98010	Tons per Annum		own sugar factory	Pipe Conveyor		0	Others	NA	Copy of Linkage

14.	**Baseline Data :**	
	(a)Period of Base Line Data Collection	FROM 01 Dec 2020 To 28 Feb 2021
	(b)Season	Pre-Monsoon

14.1. **No. of ambient Air Quality (AAQ) Monitoring Locations : 10**

S. No.	Criteria Pollutants	Other Criteria Pollutants	Unit	Maximum Value	Minimum Value	98 Percentile Value	Prescribed Standard
(1.)	SO2		Micro Gram per Meter Cube	19.2	7.1	17.48	80
(2.)	NOx		Micro Gram per Meter Cube	25.3	10.6	23.44	80
(3.)	PM2.5		Micro Gram per Meter Cube	35.1	14.2	34.27	60
(4.)	PM10		Micro Gram per Meter Cube	72.5	37.1	71.92	100

14.2. **No. of Ground Water Monitoring Locations : 8**

S. No.	Criteria Pollutants	Other Criteria Pollutants	Heavy Metal	Unit	Other Unit	Maximum Value	Minimum Value	Desirable Limit	Maximum Permissible Limit
(1.)	TDS			mg/l		485	320	500	2000
(2.)	Chlorides			mg/l		69.48	24.82	250	1000
(3.)	Fluoride			mg/l		0	0	1	1.5
(4.)	pH			NA		7.63	7.08	6.5	8.5
(5.)	TSS			mg/l		0	0	0	0
(6.)	Total Hardness			mg/l		245	132.71	200	600
(7.)	Heavy Metals		Hexavalent Chromium	mg/l		0	0	0	0

14.3. No. of Surface Water Monitoring Locations : 2

S. No.	Criteria Pollutants	Other Criteria Pollutants	Unit	Other Unit	Maximum Value	Minimum Value	Classification of inland water body
(1.)	pH		mg/l		7.55	7.25	A
(2.)	COD		mg/l		0	0	A
(3.)	BOD		mg/l		0	0	A
(4.)	DO		mg/l		5.3	4.7	B

14.4. No. of Ambient Noise Monitoring Locations : 10

S. No.	Parameter	Unit	Maximum Value	Minimum Value	Prescribed Standard
(1.)	Leq(Night)	A-weighted decibels(dB(A))	57.6	39.8	70
(2.)	Leq(Day)	A-weighted decibels(dB(A))	63.3	47.2	75

14.5. No. of Soil Sample Monitored Locations : 9

S. No.	Parameter	Unit	Other Unit	Maximum Value	Minimum Value
(1.)	N(Nitrogen)	Kilogram per hectare		220.4	167.3
(2.)	P(Phosphorus)	Kilogram per hectare		37.6	18.2
(3.)	Electric Conductivity	Others	microsiemens per centimetre	864	537.6
(4.)	K(Potassium)	Kilogram per hectare		245.3	189.7
(5.)	pH			8.13	7.68

14.6. **Details of Ground Water Table:**

(a)Range of Water Table Pre-Monsoon Season (Meters Below Ground Level (m bgl))	From 0.90 To 30.35
(b)Range of Water Table Post-Monsoon Season (Meters Below Ground Level (m bgl))	From 0 To 25.20
(c)Whether Ground Water Intersection will be there ?	No

15. Details of Water Requirement (During Operation)

S. No.	Source	Source Other	Required Quantity	Distance from Source	Copy of Permission from Competent Authority	Mode of Transport	Other Mode of Transport	Method of Water Withdrawal	Other Method of Water Withdrawal	Letter No.	Date of Issue	Permitted Quantity
(1.)	Surface		590	10	Not Applicable	Pipeline		Jack Well		3941	01 Feb 2020	872.72

15.1. (a)Whether Desalination is proposed: No

16. Waste Water Management(During Operation)

S. No.	Type/Source	Quantity of Waste Water Generated (Kilolitre per Day)	Treatment Capacity (Kilolitre per Day)	Treatment Method	Mode of Disposal	Other Mode of Disposal	Quantity of Treated Water Used in Recycling/Reuse (Kilolitre per Day)	Quantity of Discharged Water (Kilolitre per Day)
(1.)	Conc. Spent wash	107	107	Incineration Boiler	Reuse within the Plant & Recycling		107	
(2.)	Other Distillery Effluent	518.18	900	CPU capacity 900 CMD	Reuse within the Plant & Recycling		518.18	

16.1.

(a)Total Waste Water Generation	625.18
(b)Total Discharged Water	0
(c)Total Reused Water	625.18

17. Solid Waste Generation/Management

S. No.	Name of Waste	Item	Other Item	Quantity per Annum	Unit	Distance from Site(KM)	Mode of Transport	Other Mode of Transport	Mode of Disposal	Other Mode of Disposal
(1.)	CPU Sludge	Industrial Waste		17103.9	Tons	0	Road		Others	used as Soil Conditioner
(2.)	Bagasse Ash	Industrial Waste		9900	Tons	0	Road		Others	used as Soil Conditioner
(3.)	Yeast Sludge	Industrial Waste		2432.1	Tons	0	Road		Others	used as Soil Conditioner
(4.)	Incineration Boiler Ash	Industrial Waste		5296.5	Tons	0	Road		Others	used as Soil Conditioner

(165)

18.

18.1. **Air Quality Impact Prediction**

S. No.	Criteria Pollutants	Other Criteria Pollutants	Unit	Baseline Concentration	Distance GLC	Incremental Concentration	Total GLC	Prescribed Standard
(1.)	PM2.5		Microgram per Meter Cube	35.1	0.988	0.073	35.2	60
(2.)	PM10		Microgram per Meter Cube	72.5	0.945	0.109	82.6	100
(3.)	SO2		Microgram per Meter Cube	19.2	0.400	1.82	21.1	80
(4.)	NOx		Microgram per Meter Cube	25.3	0.340	16.8	42.1	80

18.2. **Stack Details**

S. No.	Source	Fuel	Stack Height(m)	Stack Diameter(m)	Pollutants	Other Pollutants	Emission (GLS)
(1.)	37 TPH Boiler	Bagasse	60	4	SO2		6.69
(2.)	22 TPH Boiler	Bagasse, Spent wash	60	1.5	Others	SPM	0.13
(3.)	37 TPH Boiler	Bagasse	60	4	Others	SPM	0.08
(4.)	37 TPH Boiler	Bagasse	60	4	NOx		2.13
(5.)	80 TPH Boiler	Bagasse	72	4	Others	SPM	0.1
(6.)	80 TPH Boiler	bagassse	72	4	SO2		8.35
(7.)	80 TPH Boiler	Bagasse	72	4	NOx		2.66
(8.)	22 TPH Boiler	Bagasse, Spent wash	60	1.5	SO2		12.41
(9.)	22 TPH Boiler	Bagasse, Spent wash	60	1.5	NOx		0.42

19.	**Power Requirement:**	
	(a)Quantity (Kilo Volt Amps (kVA))	2000
	(b)Source	Ownpower generation
	(c)Uploaded Copy of Agreement	Copy of Agreement
	(d)Standby Arrangement (Details of DG Sets)	Existing 1010 kVA and proposed 1250 kVA
	(e)Stack Height (in m)	11
20.	**Land Ownership Pattern:**	
	(a)Forest Land	0
	(b)Private Land	58
	(c)Government Land	0
	(d)Revenue Land	0
	(e)Other Land	0
	Total Land	**58**
21.	**Present Land Use Breakup of the Study Area in Ha:**	
	(a)Agriculture Area	1740
	(b)Waste/Barren Land	50
	(c)Grazing/ Community Land	0
	(d)Surface Water Bodies	330
	(e)Settlements	13100
	(f)Industrial	0
	(g)Forest	0
	(h)Mangroves	0
	(i)Marine Area	0
	(j)Others : Open Scrub land + vegetation	16180
	Total	**31400**

22. **Land Requirement for Various Activities**

S. No.	Description of Activity / Facility / Plant / Others	Others	Land Requirement	Remarks
(1.)	Main Plant		38.47	NA
(2.)	Green belt		19.53	NA
	Total		58	

23. **Ecological and Environmental Sensitivity (Within 10 Km):- WLS-Wild Life Species; NPA-Notified Protected Area; ESAs-Eco Sensitive Areas; ESZs-Eco Sensitive Zones :**

23.1. **Details of Ecological Sensitivity :**

S. No.	Details of Ecological Sensitivity	Name	Distance from the Project (Km)	Remarks

107

(1.)	Critically Polluted Area	NA	0	NA
(2.)	WLS	NA	0	NA
(3.)	NPA	NA	0	NA
(4.)	ESAs	NA	0	NA
(5.)	ESZs	NA	0	NA
(6.)	Wildlife Corridors	NA	0	NA
(7.)	Corridors	NA	0	NA

23.2. **Details of Environmental Sensitivity :**

S. No.	Details of Environmental Sensitivity	Other Details of Environmental Sensitivity	Name	Distance from the Project (Km)	Remarks
(1.)	Forest		NA	0	NA
(2.)	Archaeological Sites		NA	0	NA
(3.)	Defence Installations		NA	0	NA

23.3.	(a)Whether Noc / Permission from the competent authority is required?	No
	(b)Whether NBWL recommendation is required?	No
24.	**Forest Land:**	
	Whether any Forest Land involved?	No
25.	**Tree Cutting:**	
	(a)No. of Trees Cut for the Project (if Forest Land not Involved)	0
	(b)Details of Tree Cutting and Planting of Trees	Copy of Details of Tree Cutting and Planting of Trees
26.	**Land Acquisition Status:**	
	(a)Acquired Land(Ha)	58
	(b)Land yet to be acquired(Ha)	0
	(c)Status of Land acquisition if not acquired	0
27.	**Rehabilitation and Resettlement (R&R):**	
	(a)No. of Villages	0
	(b)No. of Households	0
	(c)No. of PDFs (Project Displaced Families)	0
	(d)No. of PAFs (Project Affected Families)	0
	(e)Funds Allocated for R&R(in Rs)	0
	(f)Status of R&R	Completed
28.	**Details of Presence of Schedule-I Species:**	
	(a)Whether there is Presence of Schedule-I Species ?	Yes
	(i)Details of Schedule-I Species	Animals, which are found within the project area and categorized under Schedule I to Schedule IV of Wild Life Protection Act 1972 & subsequent amendment along with IUCN status respectively and are str
	(b)Whether conservation plan for Schedule-I Species has been prepared ?	Yes
	(i)Uploaded copy of conservation plan	Copy of conservation plan
	(ii)Fund Provision made	3000000
	(iii)Period of Implementation	One time Cost till commisioning of the project
	(c)Whether conservation plan for Schedule-I Species has been approved by competent authority ?	No
29.	**Details of Presence of Water Bodies in Core Area:**	
	(a)Whether there is Presence of Water Bodies in Core Area ?	Yes
	(i)Details of Water Bodies in Core Area	Ghod River
	(b)Whether there is Diversion Required ?	No
	(c)Whether permission has been obtained from competent authority ?	No
30.	**Details of Presence of Water Bodies in Buffer Area:**	
	(a)Whether there is Presence of Water Bodies in Buffer Area ?	No
31.	**Manpower Requirement:**	
	(a)Permanent Employment-During Construction	10
	(b)Permanent Employment-During Operation	50
	(c)Temporary Employment- During Construction	20
	(d)Temporary Employment- During Operation	49
	(e)No. of working days	330
	(f)Total Manpower	129
32.	**Green Belt in Ha:**	
	(a)Uploaded Green Belt plan	Copy of Green Belt Plan

S. No.	Description	Existing	Proposed	Total
(1.)	Total Area of Green Belt	15.3	3.8	18
(2.)	Percentage of Total Project Area	26.5	7	33
(3.)	No. of Plants	22968	5730	28698
(4.)	Funds Allocated	0	2292000	2292000

33. **Project Benefits**

S. No.	Type of Project Benefits	Details of Project Benefits
(1.)	Financial	The project will provide financial stability to factory in market consequences
(2.)	Environmental	The industry is in the rural region and economically backward. Creation of jobopportunity and other business activity will improve the economy and attitude of thepublic towards education and health.
(3.)	Social	A large demand is anticipated for alcohol as a fuel. Alcohol is an eco-friendlyproduct and is a substitute to the imported petroleum. Factory proposes zero liquiddischarge method for waste water treat

34. CRZ Specific Details : Not Applicable

35. Sector Specific Details : NOT APPLICABLE

35. Sector Specific Details For Industrial Projects - 2

S. No.	Item	Details
S. No.	Item	Details
36.	**Details of Court Cases:** (a)Whether there is any Court Cases pending against the project and/or land in which the project is proposed to be set up ?	No
37.	**Details of Direction Issued under Environment (Protection) Act / Air (Prevention & Control of Pollution)) Act / Water (Prevention & Control of Pollution) Act:** (a)Whether any Direction issued under EPA Act/Air Act/Water Act ?	No
38.	**Details of EIA Consultant:** (a)Have you hired Consultant for preparing document?	Yes
	(i)Accreditation No.	NABET/EIA/2124/RA 0229_Rev 02
	(ii)Name of the EIA Consultant	MITCON Consultancy and Engineering Services Ltd.
	(iii)Address	Behind DIC Office, Agriculture College Campus, Shivajinagar, Pune 411005,Maharashtra (INDIA)
	(iv)Mobile No.	8669966038
	(v)Landline No.	0206628940
	(vi)Email Id	eme@mitconindia.com
	(vii)Category of Accreditation	A
	(viii)Sector of Accreditation	Industrial Projects - 2
	(ix)Validity of Accreditation	05 Feb 2024
	(x)Uploaded Certificate of Accreditation certified by QCI/NABET	Copy of Certificate of Accreditation
39.	**Documents to be Attached:** (a.I)Upload Copy of EIA/EMP(Text)	Copy of EIA/EMP(Text)
	(a.II)Upload Copy of EIA/EMP(Annexures) Report	Copy of EIA/EMP(Annexures)
	(a.III)Upload Copy of EIA/EMP(Maps/Plans/Figures only)	Copy of EIA/EMP(Maps/Plans/Figures only)
	(b)Uploaded Copy of Risk Assessment Report	Copy of Risk Assessment
	(c)Uploaded Copy of Feasibility Report/ Detailed Project Report(DPR) /Detailed Engineering Report /Detailed Conceptual Plan /Approved Mining Plan	Copy of Feasibility Report/ Detailed Project Report(DPR) /Detailed Engineering Report /Detailed Conceptual Plan /Approved Mining Plan
	(d)Uploaded Copy of Final Layout Plan	Copy of Final Layout Plan
	(e)Uploaded Cover Letter	Copy of Cover Letter
	(f)Uploaded Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency	Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency
	(i)Uploaded Additional File	Copy of Additional File
	(j)Uploaded Proposal Presentation (To be given in EAC meeting)	Copy of Uploaded Proposal Presentation
	(k)Uploaded Updated Form1	NA

Essential Details Sought			
S. No.	EDS Sought Date	EDS Sought	Letter
NO Record			

Addtional Details Sought			
S. No.	ADS Sought Date	ADS Sought	Letter
NO Record			

Undertaking

I hereby give undertaking that the data and information given in the application and enclosures are true to be best of my knowledge and belief. And I am aware that if any part of the data and information found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity/ construction/ expansion has since been taken up.

Name of Applicant	Chandrakant Gangadhar Dhage
Designation	Managing Director
Name of Company (Applicant Name should not be given here)	BHIMA SHANKAR SAHAKARI SAKHAR KARKHANA LIMITED
Address	Plot No. 148,206, Dattatraya Nagar, P.O. Pargaon via Awasari, Taluka: Ambegaon, Dist. Pune

(110)

Gmail

Bhimashankar S.S.K. Ltd Pargaon <bsskltd@gmail.com>

Proposal/application under the modified Scheme for extending financial assistance to project proponents for enhancement of their ethanol distillation capacity or to set up distilleries for producing 1st Generation (1G) ethanol from feed stocks such as

BSSK <bsskltd@gmail.com>
To: kishor tijare <tijarekp@gmail.com>

Mon, Jul 4, 2022 at 4:26 PM

---------- Forwarded message ---------
From: **Ethanol Cell** <ethanol.fpd@gov.in>
Date: Wed, Jun 29, 2022 at 2:35 PM
Subject: Proposal/application under the modified Scheme for extending financial assistance to project proponents for enhancement of their ethanol distillation capacity or to set up distilleries for producing 1st Generation (1G) ethanol from feed stocks such as
To: <BSSKLTD@gmail.com>
Cc: SANGEET SINGLA <sangeet.cgda@nic.in>, Kanav Dua <kanav.dua@gov.in>, SANDHYA NEGI <negi.sandhya@gov.in>, ROHIT RANA <rana.rohit91@gov.in>

Madam/Sir,

This is in reference to your application received under the above cited scheme for setting up of new distillery/expansion of existing distillery etc.

2. As per the Scheme modalities, the window was opened for inviting fresh applications from those firms **which have acquired land for project and obtained environmental clearance.** After examining your application, it has been found that **EC was not found attached** , which is pre-requisite for applying under the Scheme.

3. You are thus hereby advised that a copy of Environmental Clearance may be provided to the office at email id **ethanol.fpd@gov.in** at the earliest, so that your application under the Scheme may be considered. For any assistance, please contact at Ethanol Helpline No. +91 11 23383573 during office hours on all working days.

Regards,

Ethanol Cell,
Directorate of Sugar & Vegetable Oils
Deptt. of Food & Public Distribution
Krishi Bhawan, New Delhi.
Tel No. 011-2338 3573

MINISTRY OF CONSUMER AFFAIRS, FOOD AND PUBLIC DISTRIBUTION
(Department of Food and Public Distribution)

APPLICATION FOR SCHEME FOR EXTENDING FINANCIAL ASSISTANCE TO PROJECT PROPONENTS FOR ENHANCEMENT OF THEIR ETHANOL PRODUCTION CAPACITY OR TO SET UP NEW DISTILLERIES FOR PRODUCING 1st GENERATION (1G) ETHANOL

A	Details of the Project Proponent	
1-(A).	Name of the Organization	Bhimashankar Sahakari Sakhar Karkhana Ltd.
1-(B).	Complete address of the Organization/ Head Office	Dattatraynagar, Pargaon tarfe Avsari Bk., Tal Ambegaon, Dist Pune
1-(C).	Complete address of the Plant/ Proposed Location	Dattatraynagar, Pargaon tarfe Avsari Bk., Tal Ambegaon, Dist Pune
1-(D).	Pin Code	412406
1-(E).	State	Maharashtra
1-(F).	District	Pune
1-(G).	Email	BSSKLTD@GMAIL.COM
1-(H).	Mobile No.	9975575600
1-(I).	Alternate Mobile No.	
2.	Plant code of the sugar factory attached with distillery	46201
3.	Date Of Commencement Of Ethanol Production Of The Sugar Factory/Existing Distillery (If Applicable)	
4-(A).	Production capacity of alcohol of the existing distillery, if any (in KLPD)	
4-(B).	Production capacity of ethanol of the existing distillery, if any (in KLPD)	
4-(C).	Number of days of operation /annum of existing distillery, if any	
5.	GST No.	27AAAAB0949G1ZZ
6.	Status of SDF dues, if any (in case of sugar factory)	NA

B	Information relating to proposal for setting up of new distillery/expansion of existing distillery/installation of Molecular Sieve Dehydration (MSD) facility	
	Proposal Submitted For	New
1.	Proposal submitted for (specify the category under which application is submitted; refer Para 1 of the notification)	Setting up a new distillery to produce ethanol from feed stock producing 1G ethanol
2.	Capacity of the proposed new distillery (KLPD)	90 KLPD
3.	Details of expansion of existing distillery	
4.	Proposed Feedstock	Molasses\B-Heavy,C-Heavy,Sugar Syrup,Cane Juice

B.	Information relating to proposal for setting up of new/ distillery/expansion of existing distillery/ installation of Molecular Sieve Dehydration (MSDH) column	
5.	Technology for ZLD system approved by CPCB	Incineration Boiler
5-(A).	Certificate of the technology for ZLD system approved by CPCB	
6.	Financial assistance requested for the project (in Cr)	138
7.	Name of the lending bank/branch	Pune District Central Co-operative Bank Ltd.
8.	Whether SDF Assistance Has Been Availed For Same Project In Case Of Sugar Mills?	No
9.	No. Of Days Of Operations Of The Proposed Plant (As Per EC)	330 DAYS
10.	Proposed date of completion of new plant / expansion of existing plant/ installation of Molecular Sieve Dehydration (MSDH) column	31 October, 2023
11.	Expected date of commencement of ethanol production	31 October, 2023
12.	Whether Proposed New Distillery / Plant And Machineries For Expansion Of The Existing Distillery Are Procured From Indigenous Source.	Yes

C.	Details Of The Project (Along With Supporting Documents To Be Uploaded)	
1-(A).	Details of Land acquired for the project : Size of the plot (in acres)	11
1-(B).	Location of the plot (Latitude and Longitude)	Latitude: 18.97495838, Longitude: 74.09074779
2-(A).	Environmental Clearance Certificate No.	SIA/MH/IND/74065/20
2-(B).	Environmental Clearance Certificate Date	28 March, 2022
2-(C).	Environmental Clearance Certificate Uploaded File	20220616095627.pdf
3-(A).	In case loan has been sanctioned by banks, sanctioned amount by bank (Rs. in crore)	
3-(B).	Amount of loan sactioned/In Principle approval by bank uploaded file	
4.	In case loan has been disbursed, amount of loan disbursed (Rs. in crore)	
5.	Whether BPA has been signed with OMCs?	No
5-(A).	Aggreement No.	
5-(B).	Date	
5-(C).	Off-take Quantity of ethanol under BPA (in KLPD)	
5-(D).	Proposed Date of commencement of supply of ethanol as per BPA	
6.	Whether TPA has been signed among Organization/OMC/ Bank/Financial Institutions (If yes, please upload copy of the same)	No
6-(A).	Signed among Oranisation/OMC/ Bank/Financial Institutions upload	