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/2956 /2020-21 Date:- 30/12/2020

By Mail

To,
The Deputy Director General of Forests (Central)
West Central Zone,
Regional Office,
Near Secretariat building,
VCA Ground, Civil lines, Nagpur-440001.
E mail I.D.- **eccompliance-mh@gov.in.**

Sub- Submission of Six Monthly EC Compliance Report.
(1st June 2020 to 31st Dec.2020)
Ref- SIA/MH/IND2/44156/2018 Dt – 31/03/2020

E.C. received dt.23/07/2020

Dear Sir,

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 and commissioning work. Due to increase in cane capacity to 6000 TCD in 2020-21,molasses availability will also be increase. Therefore, considering molasses availability, management has decided to enhance distillery capacity 45 KLPD to 95 KLPD within factory premises and applied for the grant of ToR for proposed expansion of distillery from 45 to 95 KLPD.

State Level Environment Impact Assessment Authority grant 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).

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GSTIN : 27AAAABO949G1ZZ

Though we have yet started our proposed distillery erection, we are complying all conditions as per conditions given in 45 KLPD E.C. The details are attached for your information.

Thanking you.

Yours Faithfully,

(C.G. Dhage)
Managing Director.

Encl-1) Environment Clearance Copy.2) Part- A – Data Sheet.
3) Six Monthly EC Compliance report .4) 95 KLPD Dist. ToR copy.
(1st June 2020 to 31st Dec.2020)

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.

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.

- 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.

SIX MONTHLY COMPLIANE 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	**Locationa**) District (s)	Pune
	b) State (s)	Maharashtra
	c) Location latitude / longitude	Latitude 18^{0}58' 30.57"N and Longitude 74°5'31.68"E
5	**Address For Correspondace**	
	a) Address of the Managing Director(with Pin code/Telephone/Telex/Fax/Numbers)	Mr. Chandrakant G. Dhage Bhimashankar Sahakari Sakhar Karkhana Ltd.Dattatrayanagar,Pargaon Tarfe Awasari Bk.,Tal_Ambegaon Dist-Pune Pin- 412406 Phone No.(02133)284241/284341 Fax-(02133)284270
6	**Salient Features**	
	a) of the Project	This Distillery unit situated at Dattatrayanagar.
	b) of the Environmental Management Plans	Waste water Management : Spent wash will be treated through MEE and Spent wash fired boiler/ Incineration boiler Air Pollution Control Equipment : Electrostatic precipitator will be installed for control of flue gas emission. Solid waste management Sludge, ash will be use in composting with press mud and send to farmers as a manure Rain water harvesting: Roof top rainwater harvesting and recharge pits shall be provided.
7	**Break up 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. So no population is 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	O & M cost/ Year- 64.95 Lakhs
c)	Pay back Period	8 years
d)	Whether (c) includes the cost of environmental management as shown in the above	1023.00Lakhs
c)	Actual expenditure incurred on the project so far	Project work not yet initiated.
f)	Actual expenditure incurred on the environmental management plans so far	30.00 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 December 2021.
b)	Date of completion (Actual & / or Planned)	-.
13	Reasons for the delay if the project is yet to start	
14	**Dates of the site visits-** The dates on which the project was monitored by the Regional Office on previous occasions, if any	NIL.
a)	Details of correspondence with project authorities for obtaining action plan/information on status of compliance to safeguards other than the routine	No show cause or notices of pollution department. We are regularly monitoring both air & water data as per CPCB guidelines & parameters are within limit.

	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.	

K. P Tijare
(Process Manager)
Bhimashankar Sahakari Sakhar Karkhana Ltd.
Dattatrayanagar, Pargaon Via - Awasari Bk
Tal.Ambegaon, Dist.Pune - 410 ...

EC Compliance Conditions

ConNo	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 Co2 Bottling plant will be provided for Carbon dioxide gas which is generated in the process.(Ann.I)
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 1000 KLD capacity will be provided for the treatment of domestic sewage.(Ann.II)
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 shall be implemented to avoid the odor in the atmosphere. -Better House keeping -While process is work under closed conditions, close pipeline. -Spent wash from evaporation would be in a closed tank and directly send to the incineration in boiler. -No bio-methanation 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 report Attached (Ann.III)
VI	PP to undertake sugarcane productivity enhancement program so s to increase per hector yield of sugarcane in the factory area.	Karkhana is regularly taking consultancy of Vasantdada Sugar Institute to help and provide the technical guidance to the farmers for crop development, soil health care, good irrigation practices. Till to date 47 different awareness program have been taken regarding sustainable farming, increasing productivity, good agricultural practices etc. Following activities was undertaken for Sugar cane productivity enhancement program so as 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 soil and water testing. -Provided composting to farmers in minimum prize. -Implemented scheme of Micro irrigation-subsidy and no interest. - Organized Competition – Season wise, individual And villages wise for increase per acre yield.
VII	PP to ensure that revised CER plan gets approved from District Collector.	The revised CER plan will be approved by the District Collector before starting the plant.

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 CETP.
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 of all the employees once in every year and records is maintained as per Factory Act. Pre & post medical check-ups were organized for all employees. Employees are regularly examined and the medical records is maintained of each employee. (Photographs Attached-Ann.IV)
IV	Proper Housekeeping programmers shall be implemented.	We shall be regularly maintain the proper housekeeping.
V	In the event of the failure of any pollution control system adopted by the unit ,the unit shall be immediately put out of operation and shall not be restarted unit the desired efficiency has been achieve.	After failure of pollution control device, We shall 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 shall 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 shall be prepared and implemented to recharge ground water before starting the plant.

VIII	Arrangement shall be made that effluent and storm water does not get mixed.	We shall be arrangement 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 regularly submitted to the Maharashtra Pollution Control Board.	We shall be periodic monitoring of ground water after starting the erection and commissioning work.
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 shall be provided noise proof cabins to operators wherever is possible. Also shall be provided ear plugs for 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.	Noise controlling measures are as per EMP are taken including tree barriers. Noise level shall be maintain standard limits.
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.	Species are selected as per CPCB publication, MPCB circular and in consultation with Botanical Department of local Institute. The Species selection is intimated to DFO for suggestions, if any. (Photographs Attached. Ann -V).
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 shall 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 of all the employees once in every year and records is maintained as per Factory Act. Pre & post medical check-ups were organized for all employees. Employees are regularly examined and the medical records is maintained for each employee. The Factory has taken all workers the medi claim 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
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 will arrange regularly. It is part of our routine practice.(Photographs Attached.VI)
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	We have received the EC in July. 2020. But the factory has decided set up distillation project of 60 KLPD instead of 45 KLPD. So distillery unit has not been installed yet but we will take care of it after the installation

	for other purposes and year wise expenditure should reported to the MPCB & this department.	* We shall be Rs. 1023.00Lakhs for capital investment on environment as specified in EMP. * Management is very committed for the same. * The funds earmarked for Environment are not diverted to any other account head.
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 http://parivesh.nic.in	Karkhana published advertise in local newspapers - 1) Business Standard (English)– 28 July 2020 2) Punyanagari (Marathi) - 27July 2020 (Copy Attached Ann.VII)
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.	We shall be uploaded compliance report of conditions stipulated in the Environmental clearance along with analytical reports.
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 displayed on website .

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.	Regularly Submitting.
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.	Regularly Submitting.

K. P [illegible]
(Process Manager)
Shimashankar Sahakari Sakhar Karkhana
Dattatrayanagar, Pargaon Via - Awasari
Tal.Ambegaon, Dist.Pune - 412 406

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.

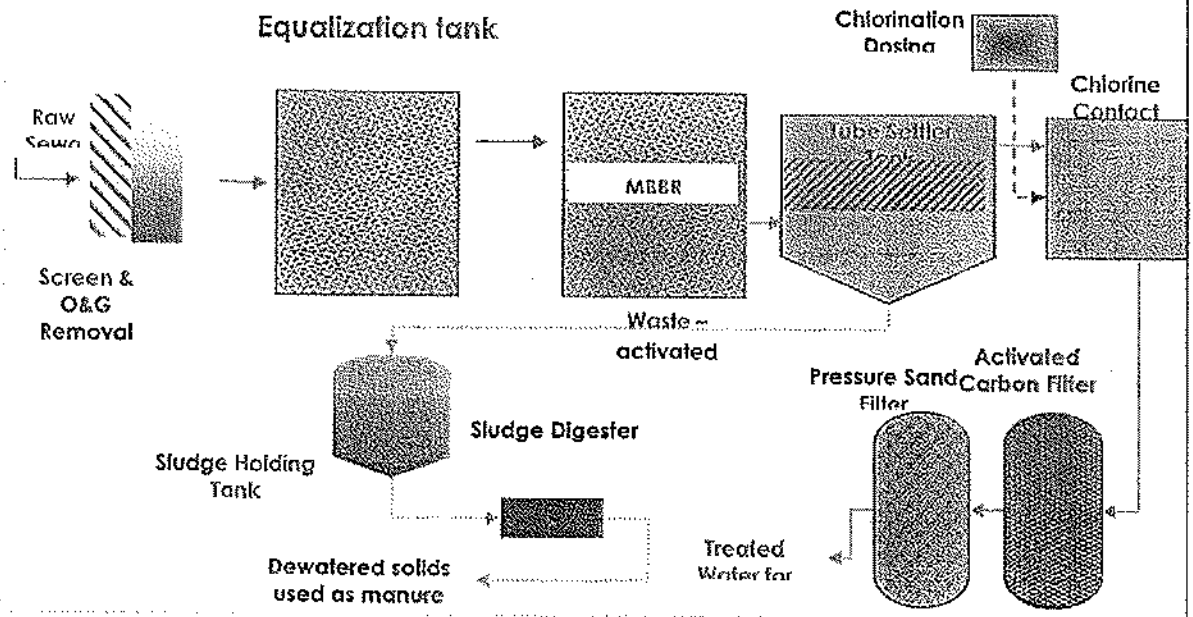
- **Tertiary Treatment:**

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

MAHARASHTRA POLLUTION CONTROL BOARD
SUB REGIONAL OFFICE – PUNE-II

Phone no.(020) 26811029

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

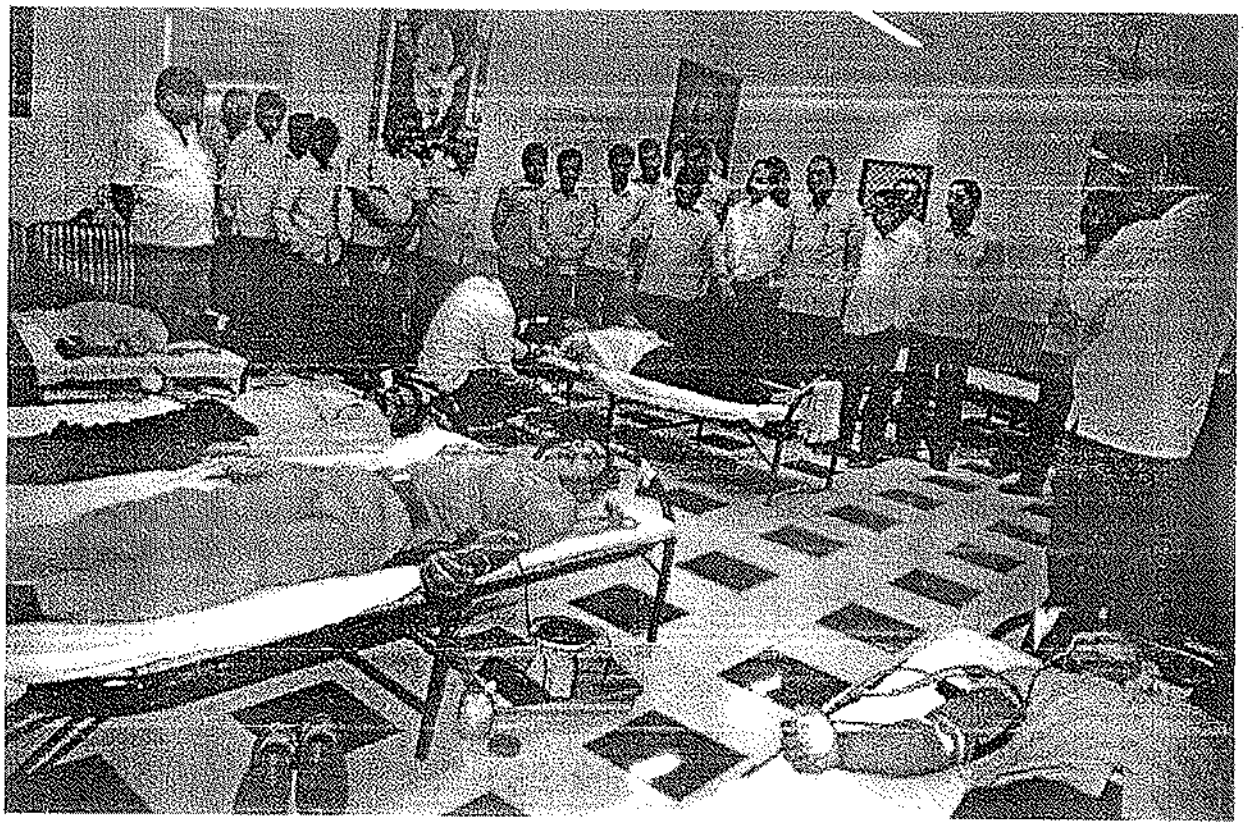
Sr. No.		Conditions	Compliance
1	A)	As per your application, you have provided Effluent Plant Treatment plant with capacity 750 CMD, comprising of Exit Chamber, Oil & Grease Trap, Neutralization tank, Equalization tank, Primary Clarifier, Aeration tank, Secondary Clarifier & SDB's.	Yes, we have provided 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 gr ound 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)

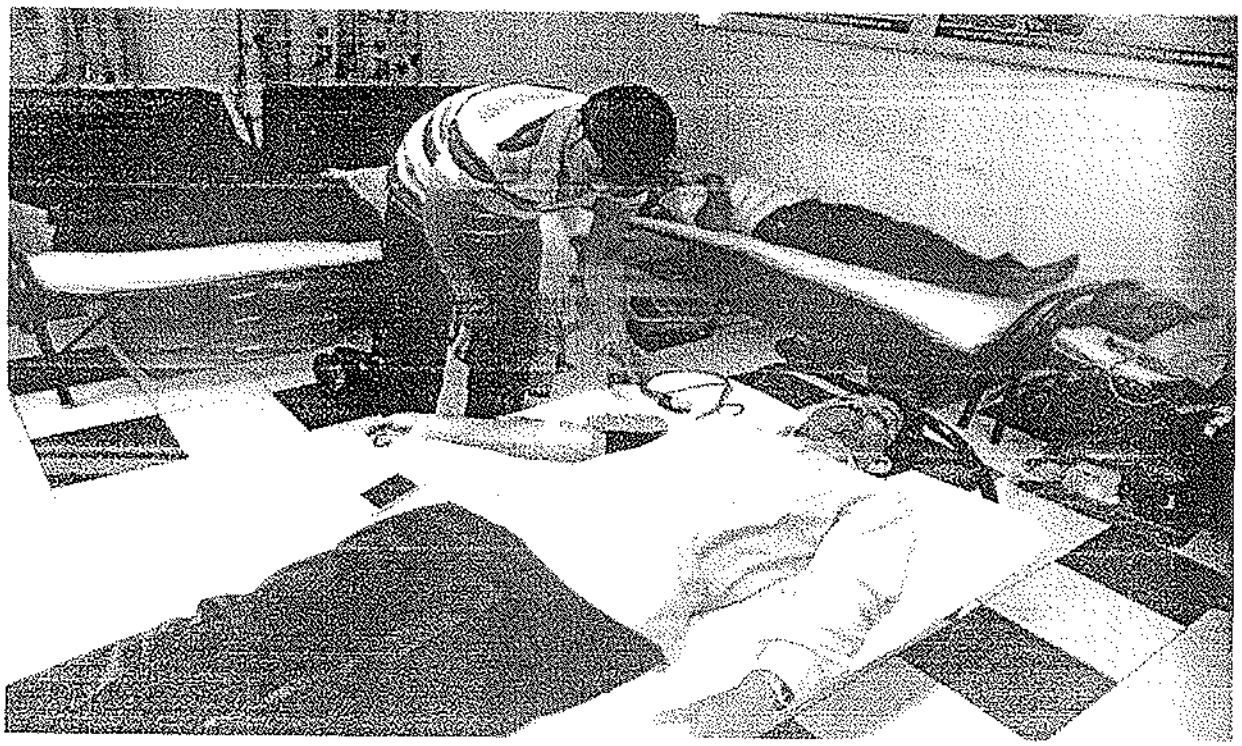
24		Th. lustry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).	Regularly Su..mitted.
25		The industry shall submit official e-mail address 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
06/11/2020

Ann. IV





Annex V

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/ ७६९/२०१९ - 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.

जाक्र/तालुकृअ/ 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

श्रीशंकर 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 (एकरेश्वर मी.)	वृक्ष लागवड क्षेत्र (हे.आर)
		२०१७-१८ (पुर्वीची)	२०१८-१९	२०१९-२०	आज अखेर एकूण			
१	नारळ ६ ३१	१७०	०	०	१७०	5 X 5	२५	०.४३
२	आंबा	१९	१०५	५५	१७९	10 X 10	१००	१.७९
३	चिक्कु	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	पेरु	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 ६ ३५	२३	५०	०	७३	8 X 8	६४	०.४७
१५	रेनट्री १ ० ३५	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	पिल्ल 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	शिसम	१२५	२०	०	१४५	8 X 8	६४	०.९३
२५	पिंपळ	१७	०	०	१७	8 X 8	६४	०.१९
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	९९	०	०	९९	4 X 4	१६	०.०३
३०	कडूलिंब	२९०	०	९५	२९५	6 X 6	३६	१.०६
३१	बदाम	३०	०	०	३०	6 X 6	३६	०.११
३२	सुरु	३९	०	०	३९	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	चाफा चाफा	२१	०	०	२१	4 X 4	१६	०.०३
३८	जेवर	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	गोंडी	४	०	०	४	3 X 3	९	०.००
४७	दाभुळ	६४	०	०	६४	6 X 6	३६	०.२३
४८	भोकर	१	०	०	१			

अ.क्र.	झाडाची जाते	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	3X3	९	०.०१
५०	वेल	३	०	०	३	6X6	३६	०.०१
५१	शेवरी	१२	०	०	१२	4X4	१६	०.०२
५२	देवदार	२७	०	०	२७	8X8	६४	०.१७
५३	हिमालया	२	०	०	२			
५४	वकवान	४	०	०	४			
५५	चेडुफळी	१	०	०	१			
५६	येहळा	२	०	०	२			
५७	पित्तकारी	३६	०	०	३६	2X2	४	०.०१
५८	सायर	५	०	०	५			
५९	करवंद	२	०	०	२			
६०	हिरडा	०	०	२५	२५	5X5	२५	०.०६
	एकूण	२५६३	५७०	११९५	३९२८			११.१४
	बुशेस							
६१	जारवेद	२८	०	०	२८	2X2	४	०.०१
६२	तगर पांढरा	७१	०	०	७१	2X2	४	०.०३
६३	बोगन वेल	४०२	०	०	४०२	2X2	४	०.१६
६४	मोरपंखी	१३	०	०	१३	2X2	४	०.०१
६५	रातराणी	३	०	०	३			
६६	प्राजक्ता	२	०	०	२			
६७	जिरमिरा	२	०	०	२			
	एकूण	५२१	०	०	५२१			०.२१
	फुलझाडे/ शोभेची झाडे							
६८	गुलाब	८८	०	०	८८	2X1.5	३	०.०३
६९	लिली	४३	०	०	४३	2X1.5	३	०.०१
७०	कोटॉन	५०	०	०	५०	2X1.5	३	०.०२
७१	गोल्डन डोरांटा	५३८	०	०	५३८	1.5X1.5	०	०.००
७२	लॅन्टीना व्हेरीगेटेड	८५	०	०	८५	1.5X1.5	२.२५	०.०२
७३	क्रिपरवडेलिया	१००	०	०	१००			
७४	हिमेलिया	६३	०	०	६३	1.5X1.5	२.२५	०.०१
७५	मोगरा	१२	०	०	१२	1X1	१	०.००
७६	आबोली	३	०	०	३			
७७	कॅलेंडरा	२१२	०	०	२१२	1X1	१	०.०२
७८	ॲकॅलीफा	२३०	०	०	२३०	1X1	१	०.०२
७९	डबल तगर	५८	०	०	५८	1X1	१	०.०१
८०	ॲलॅमेंडा	४१	०	०	४१	1X1	१	०.००
८१	सादर कांडी	३०	०	०	३०	1X1	१	०.००
८२	रेबीन ग्रास	७५	०	०	७५	1X1	१	०.०१
८३	मंकी ग्रास	२५	०	०	२५			
८४	केना	५०	०	०	५०			
८५	एक्यालिफा	३५०	०	०	३५०	1X1	१	०.०४
	एकूण	२०५३	०	०	२०५३			०.९९
	एकूण एकंदर	४७३७	५७०	११९५	६५०२			११.५३

उप विकास अधिकारी

मुख्य शेतकी अधिकारी

भीमाशंकर सहकारी साखर कारखाना लि., दत्तात्रयनगर

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

झाडांची नावे व अंतर तपशिल

अ.क्र.	झाडाची नावे	वृक्ष लागवड (संख्या)				प्रति वृक्ष आवश्यक अंतर (मी. X मी.)	प्रति वृक्ष (स्क्वेअर मी.)	वृक्ष लागवड क्षेत्र (हे.आर)
		२०१७-१८ (पुर्वीची)	२०१८-१९	२०१९-२०	आज अखेर एकूण			
१	नारळ	१७०	०	०	१७०	5 X 5	२५	०.४३
२	आंबा	१९	१०५	५५	१७९	10 X 10	१००	१.७९
३	चिक्कु	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	पेरु	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	पिस 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	कॅसूलिंड	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	रबर	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			

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	3 X 3	९	०.०१
५०	वेल	३	०	०	३	6 X 6	३६	०.०१
५१	शेवरी	१२	०	०	१२	4 X 4	१६	०.०२
५२	देवदार	२७	०	०	२७	8 X 8	६४	०.१७
५३	हिमालया	२	०	०	२			
५४	बकवान	४	०	०	४			
५५	चेंडूफळी	१	०	०	१			
५६	वेहळा	२	०	०	२			
५७	पिचकारी	३६	०	०	३६	2 X 2	४	०.०१
५८	सायर	५	०	०	५			
५९	करवंद	२	०	०	२			
६०	हिरडा	०	०	२५	२५	5 X 5	२५	०.०६
	एकूण	२१६३	५७०	१९९५	३९२८			१९.१४
	बुशेस							
६१	जास्वंद	२८	०	०	२८	2 X 2	४	०.०१
६२	तगर पांढरा	७१	०	०	७१	2 X 2	४	०.०३
६३	बोगन वेल	४०२	०	०	४०२	2 X 2	४	०.१६
६४	मोरपंखी	१३	०	०	१३	2 X 2	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	2 X 1.5	३	०.०३
६९	लिली	४३	०	०	४३	2 X 1.5	३	०.०१
७०	क्रोटॉन	५०	०	०	५०	2 X 1.5	३	०.०२
७१	गोल्डन डोरांटा	५३८	०	०	५३८	1.5 X 1.5	०	०.००
७२	लॅन्टीना व्हेरीगेटेड	८५	०	०	८५	1.5 X 1.5	२.२५	०.०२
७३	क्रिपरवडेलिया	१००	०	०	१००			
७४	हिमेलिया	६३	०	०	६३	1.5 X 1.5	२.२५	०.०१
७५	मोगरा	१२	०	०	१२	1 X 1	१	०.००
७६	आबोली	३	०	०	३			
७७	कॅलेंडरा	२१२	०	०	२१२	1 X 1	१	०.०२
७८	ॲकॅलीफा	२३०	०	०	२३०	1 X 1	१	०.०२
७९	डबल तगर	५८	०	०	५८	1 X 1	१	०.०१
८०	ॲलॅमॅडा	४१	०	०	४१	1 X 1	१	०.००
८१	साबंर कांडी	३०	०	०	३०	1 X 1	१	०.००
८२	ऐबीन ग्रास	७५	०	०	७५	1 X 1	१	०.०१
८३	मंकी ग्रास	२५	०	०	२५			
८४	केना	५०	०	०	५०			
८५	एक्यालिफा	३५०	०	०	३५०	1 X 1	१	०.०४
	एकूण	२०५३	०	०	२०५३			०.१९
	एकूण एकंदर	४७३७	५७०	१९९५	६५०२			१९.५३

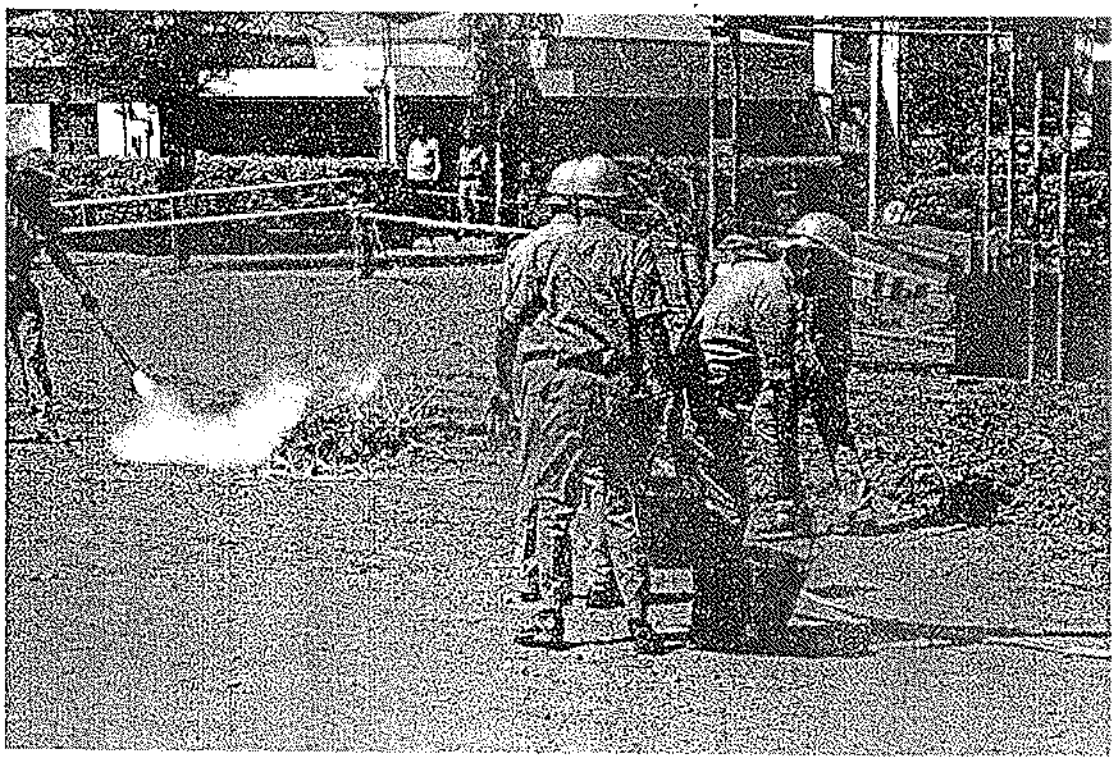
उपजिल्हा विकास अधिकारी

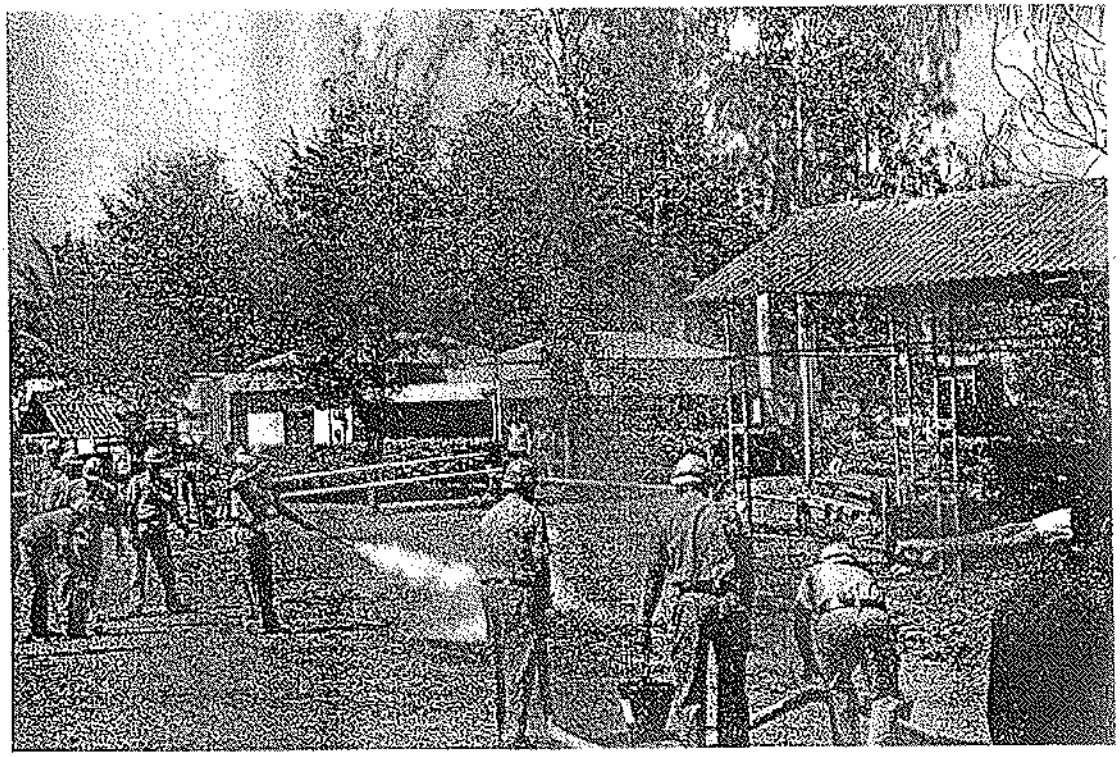
मुख्य सेविका अधिकारी

कार्यक्रम संचालक

तालुका कृषि अधिकारी
आंबेगाव (घोडेगाव), जि.पुणे

Annex VI





[illegible]

BHIMASHANKAR SAHAKARI SAKHAR KARKHANA LTD.

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY [illegible] ... based Distillery Project at Dattatraynagar, Pargaon, Taluka Ambegaon, Dist-Pune of M/s. Bhimashankar Sahakari Sakhar Karkhana Ltd. Copy of Environment Clearance is available in Maharashtra Pollution Control Board office and available on website [illegible]

Managing Director

SANGHVI MOVERS LIMITED

CIN: L29150PN1989PLC054143
Registered Office: Survey No. 92, Tathawade, Taluka Mulshi, Pune, Maharashtra - 411033, India Tel: [illegible]
Email: [illegible] Website: www.sanghvicranes.com

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 information is also available on the website of BSE Limited [illegible], National Stock Exchange of India Limited [illegible] and also on the website of the Company (www.sanghvicranes.com)

By order of the Board of Directors
For Sanghvi Movers Limited
Place : Pune
Rajesh P. Likhite
Date : 27th July 2020
Company Secretary & Chief Compliance Officer

Margdarshak Financial Services Ltd.

119, 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

As per Regulation 52 (8), read with Regulation 52 (4), of the SEBI (LODR) Regulations, 2015

Figures in INR Lakhs

Sl. 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	2,511.93	3,048.71	2,511.93
2	Net Profit for the period (before Tax, Exceptional and/or Extraordinary items)	341.66	674.54	341.66
3.	Net Profit for the period before tax (after Exceptional and/or Extraordinary items)	341.66	674.54	341.66
4.	Net Profit for the period after tax (after Exceptional and/or Extraordinary items)	240.66	437.62	240.66
5.	Total Comprehensive Income for the period [Comprising Profit for the period (after tax) and Other Comprehensive Income (after tax)]	237.33	442.18	237.33
6.	Paid up Equity Share Capital Equity share of Rs. 10/- each	1471	1471	1470
7.	Reserves (excluding Revaluation Reserve)	2111	1595	2112
8.	Earnings Per Share (of Rs.10/- each) (for continuing and discontinued operations)			
	1. Basic:	0.51	2.84	0.51
	2. Diluted:	0.89	2.56	0.89

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
Rahul Jesper Mishra
Managing Director
DIN: 01873753
Place: Lucknow
Date: July 26,2020

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.aiil.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			Standalone		
		Quarter Ended 30-Jun-20 Unaudited	Quarter Ended [illegible] Unaudited	Year Ended 31-Mar-20 Audited	Quarter Ended 30-Jun-20 Unaudited	Quarter Ended [illegible] Unaudited	Year Ended 31-Mar-20 Audited
1	Total Income From Operations	4,016	6,571	35,051	2,996	5,332	32,816
2	Net Profit/ (Loss) for the period (before Tax, Exceptional items)	278	1,360	4,266	264	1,186	3,771
3	Net Profit/ (Loss) for the period before Tax (after Exceptional items)	278	1,360	4,266	264	1,186	3,771
4	Net Profit/ (Loss) for the period after tax (after Exceptional items)	210	1,026	3,270	198	826	2,822
5	Total Comprehensive Income for the period [Comprehensive Profit/(Loss) for the period (after tax) and Other Comprehensive Income (after tax)]	210	1,025	3,253	198	830	2,805
6	Paid up Equity Share Capital	3,548	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			60,523			55,861
8	Earning per Share (of Rs 10 each) (for continuing and discontinued operations)						
	1) Basic	0.59	2.89	9.17	0.56	2.33	7.91
	2) Diluted	0.59	2.89	9.17	0.56	2.33	7.91

[illegible]

For Ajmera Realty & Infra India Ltd
Place: Mumbai
Date: [illegible]

पुणे महानगरपालिका
उप आयुक्त कार्यालय, परिमंडळ ३
निविदा जाहिरात– नविनकामे

प्रसिध्दी दिनांक : २८/०७/२०२० [illegible]
विक्री कालावधी दिनांक:-२८/०७/२०२० ते ०६/०८/२०२० वेळ:- दु. २.०० पर्यंत जाहिरात क्र-०४-DC-३-२०२०
स्विकृती कालावधी दिनांक:-२८/०७/२०२० ते ०६/०८/२०२० वेळ:- दु. २.०० पर्यंत [illegible] दिनांक:- ०७/०८/२०२० – दु. ३.०० वाजता.

अ.क्र	निविदा क्र.	[illegible]	कामाचे नाव	[illegible]	अंदाजपत्रकीय रक्कम	[illegible]	कालावधी
१	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
२	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
३	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
४	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
५	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
६	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
७	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
८	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
९	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
१०	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
११	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
१२	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
१३	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
१४	PMC/ZONE-3/2020/DHK-SHKR-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
१५	PMC/ZONE-3/2020/DHK-SHKR-2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
१६	PMC/ZONE-3/2020/DHK-SHKR-3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
१७	PMC/ZONE-3/2020/DHK-SHKR-4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
१८	PMC/ZONE-3/2020/DHK-SHKR-5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
१९	PMC/ZONE-3/2020/DHK-SHKR-6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
२०	PMC/ZONE-3/2020/DHK-SHKR-7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
२१	PMC/ZONE-3/2020/DHK-SHKR-8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
२२	PMC/ZONE-3/2020/DHK-SHKR-9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
२३	PMC/ZONE-3/2020/DHK-SHKR-10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
२४	PMC/ZONE-3/2020/DHK-SHKR-11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
२५	PMC/ZONE-3/2020/DHK-SHKR-12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
२६	PMC/ZONE-3/2020/DHK-SHKR-13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
२७	PMC/ZONE-3/2020/DHK-SHKR-14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
२८	PMC/ZONE-3/2020/DHK-SHKR-15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
२९	PMC/ZONE-3/2020/DHK-SHKR-16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

1) [illegible] अटी शर्ती वर ठेकेदाराने स्वाक्षरी करून अ पाकिटात अपलोड करावयाचे आहे.
2) सदर कामांबाबत निविदा अटी शर्ती इ. बाबतचा सर्व तपशील निविदा संचामध्ये नमुद केला असून सदर कामाचे निविदा संच www.mahatenders.gov.in या वेबसाइटवर पाहण्यासाठी उपलब्ध आहेत. निविदा संचाची विक्री व स्विकृती सदर वेबसाइटवरुन फक्त ऑनलाईन पध्दतीने करण्यात येत आहे.
3) ऑनलाईन निविदा प्रक्रिये संबंधी संपूर्ण माहितीसाठी पुढील क्रमांकावर साधावा Contact No. ०१२०-४२००४६२/ ०१२० -४००१००२/ ९१-८८२६२४६५९३.
4) निविदा विक्रीच्या शेवटच्या दिवशी निविदा संच प्राप्त न झाल्यास व स्विकृतीच्या शेवटच्या दिवशी ऑनलाईन सादरीकरण न झाल्यास सर्वी सर्वस्वी जबाबदारी टेंडरदाराची राहिल.
5) कार्यालयीन आदेश क्र. ओसिअ (नि)/४२ दि. २२/०४/२०१६ नुसार बयाणा रक्कम ई.सी.एस./ आर. टि. जि. एस. / एन ई एफ.टी. सुविधेमार्फतच स्विकारण्यात येणार आहेत.

स्वा/-
(श्री. जयंत भोसेकर)
उप आयुक्त परिमंडळ क्र. ३
पुणे महानगरपालिका, पुणे

Advt no 4-DC-3-2020

पुण्य नगरी

सोमवार, २७ जुलै २०२० ‖ पुणे

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

Acknowledgement Slip for TOR Application

1 message

monitoring-ec@nic.in <monitoring-ec@nic.in> Thu, Dec 24, 2020 at 11:24 AM
To: bsskltd@gmail.com
Cc: monitoring-ec@nic.in

Acknowledgement Slip for TOR

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 for seeking additional information , if any, within 5 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/IND2/59337/2020
2. Category of the Proposal	: Industrial Projects - 2
3. Project/Activity applied for	: 5(g) Distilleries
4. Name of the proposal	: Expansion of existing Distillery from 45 KLPD to 95 KLPD
5. Date of submission for TOR	: 22 Dec 2020
6. Name of the Project proponent along with contact details	
a) Name of the proponent	: BHIMA SHANKAR SAHAKARI SAKHAR KARKHANA LIMITED
b) Mobile No.	: 9975515600
c) State	: Maharashtra
d) District	: Pune
e) Pincode	: 410406

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 lexisting 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)

***

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

Approved ToR letter for 95 KLPD Distillery

1 message

Hemangi Nalavade <hemangi.nalavade@mitconindia.com> Thu, Dec 31, 2020 at 4:48 PM
To: BSSK <bsskltd@gmail.com>
Cc: kishor tijare <tijarekp@gmail.com>, Sandeep Jadhav <sandeep.jadhav@mitconindia.com>, Shrikant Kakade <shrikant.Kakade@mitconindia.com>, Pratik Deshpande <pratik.deshpande@mitconindia.com>

Dear Sir,

PFA attached approved ToR copy for your record.

As Standard ToR comes with public consultation condition we need to apply for amendment in ToR for getting exemption for public hearing. Please find attached covering letter for applying under amendment in ToR. Kindly send the signed scan copy at the earliest, so as to apply immediately.

Regards

Dr. Hemangi Nalavade

Chief Consultant

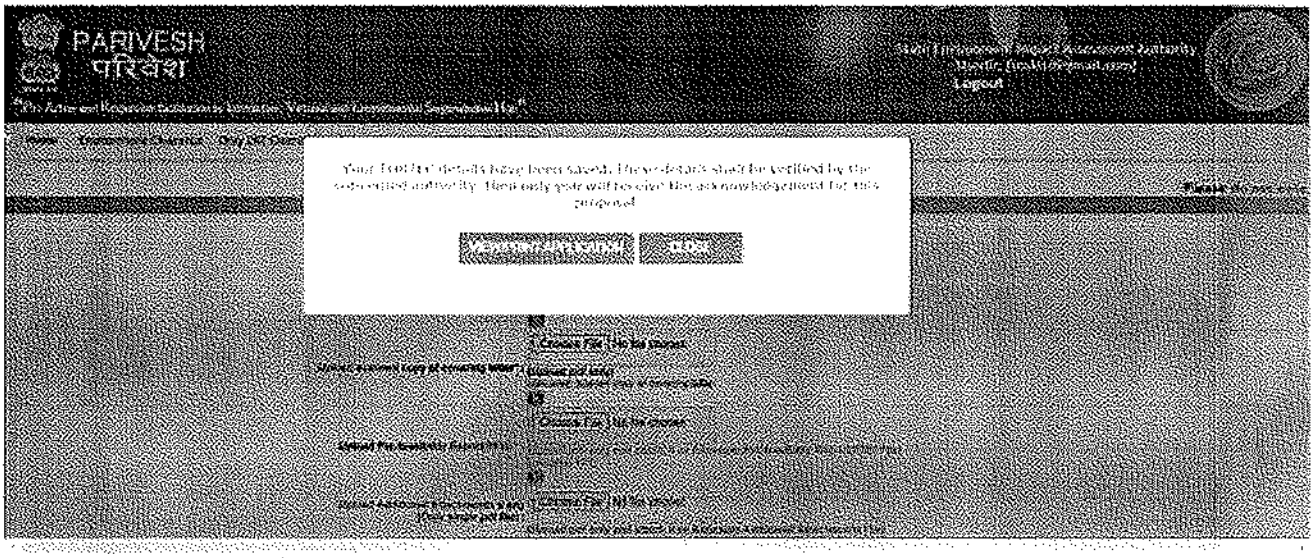
8669966038

From: Hemangi Nalavade [mailto:hemangi.nalavade@mitconindia.com]
Sent: 22 December 2020 03:49 PM
To: 'BSSK' <bsskltd@gmail.com>
Cc: 'kishor tijare' <tijarekp@gmail.com>; 'Sandeep Jadhav' <sandeep.jadhav@mitconindia.com>; 'Shrikant Kakade' <shrikant.Kakade@mitconindia.com>; 'Pratik Deshpande' <pratik.deshpande@mitconindia.com>
Subject: ToR application submission

Dear Sir,

ToR Application submitted successfully Please refer below screen short and attached Report Part 1 for your record.

Kindly forward the acknowledgment if received at your email ID. I request you to pay the scrutiny fees as mentioned in the earlier email so as to process our application, without scrutiny fees application will be not processed.



Thanks and Regards

Dr. Hemangi Nalavade (MSc., Ph.D)

Chief Consultant

MITCON Consultancy & Engineering Services Ltd.

Environment Management and Engineering Division
Behind DIC Office, Agri College Campus, Shivajinagar,

Pune 411 005, Maharashtra (INDIA),

Tel.: +91- 020-66289407, Mob. 8669966038

2 attachments

ToR letter _ 95 KLPD.pdf
74K

Covering letter Amendment in ToR.docx
15K