STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

सत्यमेव जयते

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date:July 20, 2020

To,
M/s. Utopian Sugars Limited
at Survey No. 381,384, 385/1,385/2, 386, 387,389,96 Village Kacharewadi, Tal. Mangalwedha, District Solapur, Maharashtra- 413305

Subject: Environment Clearance for Expansion in existing distillery capacity from 30 KLPD to 45 KLPD

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 182nd -Day-1nd meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 200th meetings.

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

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

1.Name of Project	Expansion of distillery capacity from 30 KLPD to 45 KLPD RS/ENA/Ethanol based on molasses and establishing 45 KLPD Ethanol plant based on SDS (Special Denatured Spirit) at Village Kacharewadi, Tal. Mangalwedha, Dist. Solapur, Maharashtra-413 305 by M/s. Utopian Sugars Ltd.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Utopian Sugars Limited
4.Name of Consultant	Dr. Subbarao's Environment Center
5.Type of project	Others
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Received environment clearance for setting up of 30 KLPD Molasses based distillery Vide F. No. IA-J-11011/223/2015-IA-II(I) dated 11th January, 2019
8.Location of the project	Survey No. 381,384, 385/1,385/2, 386, 387,389,96 Village Kacharewadi, Tal. Mangalwedha, District Solapur, Maharashtra- 413305
9.Taluka	Mangalwedha
10.Village	Kacharewadi
Correspondence Name:	M/s. Utopian Sugars Limited, ,
Room Number:	Village Kacharewadi
Floor:	Tal. Mangalwedha,
Building Name:	District Solapur,
Road/Street Name:	Maharashtra,
Locality:	pin- 413305
City:	Mangalwedha
11.Whether in Corporation / Municipal / other area	Other Area
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 26346.92
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	344400 m2

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16.Deductions	0 m2
17.Net Plot area	344400 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**FSI area (sq. m.):** 26346.92
	Non FSI area (sq. m.): 21852.73
	Total BUA area (sq. m.): 48199.65
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 26346.92
	Approved Non FSI area (sq. m.): 21852.73
	Date of Approval: 03-03-2020
19.Total ground coverage (m2)	48200
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	13.99
21.Estimated cost of the project	178100000

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22.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Sugar	12600	0	12600
2	Rectified Spirit/ENA/Ethanol (KL/M)	900	450	1350
3	Electric Power (MW)	14.8 + 1.0	0.5	16.3
4	Ethanol based on SDS (Special Denatured Spirit) (KL/M)	00	1350	1350

23.Total Water Requirement

Dry season:	**Source of water**	1*Existing and 1*proposed Borewell
	Fresh water (CMD):	89.1
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	89.1
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	0
Wet season:	**Source of water**	1*Existing and 1*proposed Borewell
	Fresh water (CMD):	89.1
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	89.1
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	0
Details of Swimming pool (If any)	Not applicable	

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24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	3	0	3	1	0	1	2	0	2
Industrial Process	235.5	118.5	354	0	0	0	27	13.5	40.5
Cooling tower & thermopack	145	72.6	217.6	42	21	63	42	21	63
Fresh water requirement	00	89.1	89.1	0	0	0	0	0	0
Gardening	32	0	32	32	0	32	0	0	0

25.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre-monsoon from 20 m to 10m and Post-monsoon from 10 m to 8m
	Size and no of RWH tank(s) and Quantity:	8 Nos 8m*5m*3m
	Location of the RWH tank(s):	Near factory Buildings and colony
	Quantity of recharge pits:	8
	Size of recharge pits :	7.5 m * 4 m *1.5 m
	Budgetary allocation (Capital cost) :	3000000
	Budgetary allocation (O & M cost) :	200000
	Details of UGT tanks if any :	300 KL
26.Storm water drainage	**Natural water drainage pattern:**	Plain
	Quantity of storm water:	18170 m3/hr
	Size of SWD:	0.30 m
27.Sewage and Waste water	**Sewage generation in KLD:**	32
	STP technology:	Primary and secondary treatment
	Capacity of STP (CMD):	1 nos 50 KLD
	Location & area of the STP:	Near Colony
	Budgetary allocation (Capital cost):	6000000
	Budgetary allocation (O & M cost):	300000

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28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction and demolition
	Disposal of the construction waste debris:	Filling low lying areas
Waste generation in the operation Phase:	**Dry waste:**	Fly/Boiler Ash (340 MT/M- Fly Ash, 270 MT/M- Incinerator Boiler Ash)
	Wet waste:	Pressmud= 3920 MT/M
	Hazardous waste:	Distillery unit do not produce any hazardous waste
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	20 MT/ A
	Others if any:	ETP Sludge = 28 MT/A
Mode of Disposal of waste:	**Dry waste:**	Fly Ash- Sold to Brick Manufacturers , Incinerator Boiler Ash- Mixed with pressmud and sold as Manure
	Wet waste:	Pressmud- Mixed with Incinerator boiler Ash and sold as Manure
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as soil conditioner or manure
	Others if any:	Used as soil conditioner or manure
Area requirement:	**Location(s):**	Near Sugar Plant
	Area for the storage of waste & other material:	5000 m2
	Area for machinery:	10000 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	5000000
	O & M cost:	450000

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29.Effluent Charecterestics					
Serial Number	**Parameters**	**Unit**	**Inlet Effluent Charecterestics**	**Outlet Effluent Charecterestics**	**Effluent discharge standards (MPCB)**
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		523			
Capacity of the ETP:		550 (500 CMD CPU), (15 TPH Incionerator boiler for 40.5 TPD Conc. Spentwash)			
Amount of treated effluent recycled :		482.5			
Amount of water send to the CETP:		0			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Anaerobic digester followed by MEE followed by Incinerator boiler			
Disposal of the ETP sludge		Sold as Manure			

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30.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA	NA	NA	0	0	0	NA

31.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	15 TPH Incinerator Boiler	Concentrated Spent wash (40.5 MT/D) and Bagasse (110 MT/D)	1	72.5	4.43	180

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse	0	111 MT/D	111 MT/D
2	Concentrated Spentwash	0	40.5 MT/D	40.5 MT/D
Source of Fuel		Bagasse- Sugar Unit , Concentrated Spentwash- Distillery Unit, Biogas- Distillery unit		
Mode of Transportation of fuel to site		By Road (Captive Source)		

33.Energy

Power requirement:	**Source of power supply :**	14.8 MW Co-generation power plant and 1.5 MW TG Set
	During Construction Phase: (Demand Load)	5000 KW
	DG set as Power back-up during construction phase	2*1000 KVA
	During Operation phase (Connected load):	1000 KW
	During Operation phase (Demand load):	5000 KW
	Transformer:	1000 KVA
	DG set as Power back-up during operation phase:	2*1000 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	None

34.Energy saving by non-conventional method:

Renewable energy for illumination of office buildings, street lights, parking areas will be provided

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lights	1 %
2	Solar Street Lights	5%

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Distillery Stack	ESP	ESP

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Spentwash from 45 KLPD Distillery	Anaerobic Digestion followed by MEE followed by Incineration	Anaerobic Digestion followed by MEE followed by Incineration

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	4000000
	O & M cost:	500000

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Fugitive Emissions	Particulate Matter	4
2	Ambient Noise	Leq (Day and Night time)	1

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control Equipment	Pollution Control Equipment	150	25
2	Condensate polishing Unit	Pollution Control Equipment	600	34
3	Anaerobic Digester	Pollution Control Equipment	300	50
4	Multi Effect Evaporator and Incinerator boiler	Pollution Control Equipment	2800	140
5	NA	NA	00	0
6	Green Belt Development	Plantation of trees	10	1.5
7	Solid Waste Disposal	Disposal of Solid waste	300	30
8	Rain Water Harvesting	Collection and recharge pits	15	0.75
9	Laboratory	establishment of environmental lab	50	15
10	Occupational Health	Occupational Health and safety	25	1.25

39.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Rectified Spirit	Liquid	Near Distillery	1200	1100	1350	Captive	By Road in closed containers
ENA	Liquid	Near Distillery	1800	1700	1350	Captive	By Road in closed containers
Impure Spirit	Liquid	Near Distillery	200	180	400	Captive	By Road in closed containers
Absolute Alcohol	Liquid	Near Distillery	3000	2800	1350	Captive	By Road in closed containers
Special Denatured Spirit (SDS)	Liquid	Near Distillery	3000	2800	1350	Open Market	By Road in closed containers

40.Any Other Information

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No Information Available

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	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B
	Court cases pending if any	Nil
	Other Relevant Informations	The report is based on the ToRs granted by SEAC-1 in its 168th B and 176th Meeting
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

3. The proposal has been considered by SEIAA in its 200th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	PP to ensure strict compliance with respect to water consumption of 10 KL per KL of alcohol production.
II	PP to ensure strict compliance with respect to the spent wash generation of quantity 7 - 9 KL per KL of alcohol production.
III	PP to include water and carbon foot print monitoring in the EMP. PP shall provide carbon dioxide bottling plant to capture the CO2 generated from the process. No carbon dioxide gas shall be released to the atmosphere.
IV	PP to prepare and implement CER funds for development of social infrastructure like clean drinking water facilities , sanitation facilities and solar energy in the Z. P. Schools within the study area of the project in consultation with the District Authority.
V	PP shall provide Zero Liquid Discharge ETP for proposed distillery plant.
VI	PP to ensure that CER plan gets approved from District Collector.
VII	PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019.

General Conditions:

I	(i)PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.
II	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
III	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
IV	Proper Housekeeping 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 analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
X	Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
XI	The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall 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.
XVI	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
XVII	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
XVIII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XIX	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
XX	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in
XXI	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
XXII	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
XXIII	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO2, NOx (ambient levels as well as stack emissions) or critical sectorai parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
XXIV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
XXV	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

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

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

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

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

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

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

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

Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

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

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