



सत्यमेव जयते

# STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

*OS*  
*circulate to M/s Mula Sahakari Sakhar Karkhana Ltd*  
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*MUM 26/06/2020*  
*CC seen 27/6/20*

Environment department,  
Room No. 217, 2nd floor,  
Mantralaya, Annexe,  
Mumbai- 400 032.  
Date: June 24, 2020

To,  
M/s Mula Sahakari Sakhar Karkhana Ltd at Sonai, Tal Newasa, Dist Ahmednagar  
at At post Sonai

Subject: Environment Clearance for Expansion of Sugar Unit 5500 TCD to 7500 TCD at Sonai, Tal Newasa, Dist Ahmednagar by M/s Mula Sahakari Sakhar Karkhana Ltd

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 163rd 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 195th meetings.

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

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

1.Name of Project	Expansion of Sugar Unit 5500 TCD to 7500 TCD at Sonai, Tal Newasa, Dist Ahmednagar by M/s Mula Sahakari Sakhar Karkhana Ltd
2.Type of institution	TOR
3.Name of Project Proponent	M/s Mula Sahakari Sakhar Karkhana Ltd at Sonai, Tal Newasa, Dist Ahmednagar
4.Name of Consultant	Ultra-Tech (Environment Consultancy & Laboratory)
5.Type of project	Industry
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project through modernization
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC obtained for Distillery unit -45 KLPD, Co-Gen Power Plant-30 MW and Cane crushing capacity - 5500 TCD from EAC vide Letter No. J-11011/131/2014-IA II (I) dated 22.01.2016
8.Location of the project	At post Sonai
9.Taluka	Newasa
10.Village	Sonai
Correspondence Name:	Mr. Sarangdhar Bhikaji Tombre
Room Number:	-
Floor:	-
Building Name:	
Road/Street Name:	Mula SSK Ltd.
Locality:	Sonai, Taluka Newasa
City:	District Ahmednagar
11.Whether in Corporation / Municipal / other area	Sonai Gram Panchayat
12.IOD/IOA/Concession/Plan Approval Number	Industrial Safety & Health (Nashik Divison) IOD/IOA/Concession/Plan Approval Number: Plan /832000 dated 05.01.2001. Approved Built-up Area: 2762
13.Note on the initiated work (If applicable)	Work not initiated for the proposed project
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	1133686.36 m2
16.Deductions	Not applicable
17.Net Plot area	1133686.36 m2

SEIAA Meeting No: 195 Meeting Date: March 14, 2020 ( SEIAA-STATEMENT-0000000729 )  
SEIAA-MINUTES-0000003150  
SEIAA-EC-0000002266

18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): Not applicable
	Non FSI area (sq. m.): Not applicable
	Total BUA area (sq. m.): 2762
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	134300
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	11.85% of Net plot area
21.Estimated cost of the project	110000000



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## 22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Sugar	5500 TCD	2000 TCD	7500 TCD
2	Distillery	45 KLPD	00	45 KLPD
3	CO gen	30 MW	0	30 MW

## 23. Total Water Requirement

Dry season:	Source of water	Mula Right Bank Canal
	Fresh water (CMD):	760 m3/day
	Recycled water - Flushing (CMD):	NIL
	Recycled water - Gardening (CMD):	NIL
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD):	7677 m3/day
	Fire fighting - Underground water tank(CMD):	40 m3
	Fire fighting - Overhead water tank(CMD):	10 m3
	Excess treated water	NA
Wet season:	Source of water	Mula Right Bank Canal
	Fresh water (CMD):	NA
	Recycled water - Flushing (CMD):	NIL
	Recycled water - Gardening (CMD):	NIL
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD):	NIL
	Fire fighting - Underground water tank(CMD):	40 m3
	Fire fighting - Overhead water tank(CMD):	10 m3
	Excess treated water	NA
Details of Swimming pool (If any)	NA	

## 24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Domestic	--	--	45	--	--	5	--	--	40
Industrial Process	--	--	6700	--	--	364	--	--	6336
Cooling tower & thermopack	--	--	977	--	--	93	--	--	884

<b>25.Rain Water Harvesting (RWH)</b>	Level of the Ground water table:	21 m
	Size and no of RWH tank(s) and Quantity:	50 m <sup>3</sup> (2 no)
	Location of the RWH tank(s):	Near reservoir tank
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 15.7 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 1 Lakhs/Annum
Details of UGT tanks if any :	Domestic UG tank Capacity:NA Flushing UG tank Capacity: NA Fire fighting: Reservoir Rainwater-harvesting Tank: 100m <sup>3</sup>	

<b>26.Storm water drainage</b>	Natural water drainage pattern:	Sloping from North-to SE
	Quantity of storm water:	NA
	Size of SWD:	NA

<b>27.Sewage and Waste water</b>	Sewage generation in KLD:	40 m <sup>3</sup> /day
	STP technology:	Conventional Soak pit (Proposed STP - MBBR)
	Capacity of STP (CMD):	50 m <sup>3</sup> (Proposed)
	Location & area of the STP:	Near to toilet block
	Budgetary allocation (Capital cost):	Rs. 23 Lakhs
Budgetary allocation (O & M cost):	Rs. 3.2 Lakhs/Annum	

## 28. Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Negligible
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	Dry waste:	150 kg/day
	Wet waste:	450 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	6 Kg/ day
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Sale to authorized recycler
	Wet waste:	pit composting (existing)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Organic Mannure
	Others if any:	NA
Area requirement:	Location(s):	Compost pit Near Canteen
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 1 lakh
	O & M cost:	0.5 lakh

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## 29. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	NA	4.90-5.60	7.30-7.60	6.5-8.5
2	B.O.D	mg/lit	1800-2300	60-70	Max. 100
3	C.O.D	mg/lit	3500-3800	165-170	Max. 250
4	T.S.S	mg/lit	500-600	55-65	Max. 100
5	Oil and grease	mg/lit	15-18	2-3	Max. 10
Amount of effluent generation (CMD):		630 m3			
Capacity of the ETP:		Sugar ETP - 700 m3 Primary ETP - 130 m3			
Amount of treated effluent recycled :		630 m3			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		For Sugar ETP: Activated sludge process by adopting diffused aeration system. For primary ETP: Chemical Precipitation separation for cooling and DM effluent			
Disposal of the ETP sludge		Composted and used as manure			


  
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### 30. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/ spent oil	5.1	MTA	2.7	0	7.8	Sale to authorized party approved by MPCB

### 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	Boiler 1- 80 TPH	Bagasse	1	70	2.95	150
2	Boiler 2 - 85 TPH	Bagasse	1	75	3:50	150

### 32. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse	66.66	16.67	83.33
Source of Fuel		Own unit		
Mode of Transportation of fuel to site		NA		

### 33. Energy

<b>Power requirement:</b>	Source of power supply :	Own and MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	8.5 MW
	During Operation phase (Demand load):	NA
	Transformer:	27500 KVA (M.S.E.D.C.L.)
	DG set as Power back-up during operation phase:	500 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

### 34. Energy saving by non-conventional method:

New boiling house will optimize the energy use.

### 36. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

### 37. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG Set - existing	Stack provided -	existing stack is sufficient
ETP - existing	Sugar ETP - 700 m3 Primary ETP - 130 m3	existing ETP is sufficient
Boiler 1 - existing	ESP	existing ESP is sufficient

Boiler 2-existing	ESP	existing ESP is sufficient
STP	--	proposed STP 50 m3

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA

### 38.Environmental Management plan Budgetary Allocation

#### a) Construction phase (with Break-up):

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

#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air	ESP -Existing	200	5
2	Water	ETP-Existing	175	21
3	Socio-Eco	Occupational Health Centre & ECC - Existing	130	14
4	Waste	Solid and Hazardous Waste Disposal & Transportation - Existing	30	9
5	Land	Gardening-Existing	35	12
6	Env Management	Monitoring and EM Cell -Existing	32	27
7	STP	STP - Proposed	23	3.2

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Sulphuric acid/ sulphur	Existing	Existing	120 TPM	--	--	--	--
Molasses	Existing + proposed	At site	Existing -4200,4200,4200,8000 1 proposed 4200	--	--	--	--

### 40.Any Other Information

No Information Available
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	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5(j)
	Court cases pending if any	NA
	Other Relevant Informations	We have received Environment Clearance for Distillery unit -45 KLPD, Co-Gen Power Plant-30 MW and Cane crushing capacity - 5500 TCD from EAC vide Letter No. J-11011/131/2014-IA II (I) dated 22.01.2016. Now seeking for modernization in boiling house for expansion of sugar unit from 5500 TCD to 7500 TCD.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

3. The proposal has been considered by SEIAA in its 195th 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 zero liquid discharge.
II	PP to note the observations made by the Regional Office of MoEF&CC and ensure its strict complinace.
III	PP to form competent Environmental Management Cell to ensure compliance of the conditions stipulated in the Environmental Clearance letter.
IV	PP to ensure that phasewise 100% sugarcane cultivation in their jurisdiction is brought under drip irrigation.
V	PP to adopt improved and modern technologies for sugarcane cultivation so as to enhance per hactor productivity instead of bringing additional area under sugarcane cultivation to meet proposed crushing capacity.
VI	PP to prepare and implement CER plan in consultation with District Collector as per OM issued by MoEF&CC dated 01.05.2018.
VII	PP to ensure that CER plan gets approved from Municipal Commissioner/District Collector
VIII	PP to ensure to comply with the conditions stipulated in the Office Memorandum issued by MoEF& CC dated 9th August, 2018.

**General Conditions:**

I	(i)PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.
II	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
III	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
IV	Proper Housekeeping 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 <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a>
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, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
XXIV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
XXV	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

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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, 1st Floor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Shri. Anil Diggikar (Member Secretary SEIAA)

**Copy to:**

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. MUNICIPAL COMMISSIONER PUNE
10. MUNICIPAL COMMISSIONER AURANGABAD
11. MUNICIPAL COMMISSIONER SATARA
12. REGIONAL OFFICE MPCB AURANGABAD
13. REGIONAL OFFICE MPCB PUNE
14. REGIONAL OFFICE MIDC AURANGABAD
15. REGIONAL OFFICE MIDC PUNE
16. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
17. COLLECTOR OFFICE PUNE
18. COLLECTOR OFFICE JALNA
19. COLLECTOR OFFICE AURANGABAD
20. COLLECTOR OFFICE LATUR
21. COLLECTOR OFFICE SATARA
22. COLLECTOR OFFICE SOLAPUR
23. COLLECTOR OFFICE NANDED
24. COLLECTOR OFFICE OSMANABAD
25. COLLECTOR OFFICE HINGOLI
26. COLLECTOR OFFICE PARBHANI
27. COLLECTOR OFFICE BEED