



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

सत्यमेव जयते

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annex,
Mumbai- 400 032.
Date:June 1, 2018

To,
SHREE DATTA SHETKARI SAHAKARI SAKHAR KARKHANA LIMITED, DATTANAGAR, SHIROL.
at AGAR BAGH- 343 TO 352, 354, 361 SHIROL-251, 252, 717, 903, 129, 133/2, 135, 134, 136, 210, 213, 214, 230, 229, 232 TO 237, 242, 246+241, 247 TO 249, 127 AND 131

Subject: Environment Clearance for Expansion/ Modernization of Sugar Factory Capacity from 7500 TCD (313 TCH) to 9000 TCD (375 TCH).

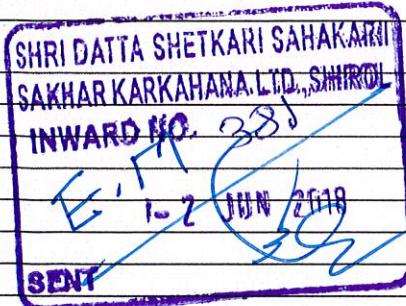
Sir,

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 138 th SEAC-1 Meeting th 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 130th meetings.

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

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

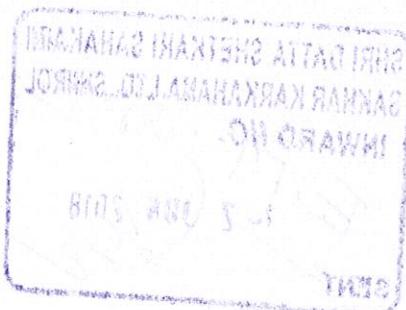
1.Name of Project	Expansion/ Modernization of Sugar Factory Capacity from 7500 TCD (313 TCH) to 9000 TCD (375 TCH).
2.Type of institution	Private
3.Name of Project Proponent	SHREE DATTA SHETKARI SAHAKARI SAKHAR KARKHANA LIMITED, DATTANAGAR, SHIROL.
4.Name of Consultant	Dr. B. Subha Rao
5.Type of project	Others
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project/ Modernization
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Letter No. ENV (NOC)/2000/130/CR-21/D-I
8.Location of the project	AGAR BAGH- 343 TO 352, 354, 361 SHIROL-251, 252, 717, 903, 129, 133/2, 135, 134, 136, 210, 213, 214, 230, 229, 232 TO 237, 242, 246+241, 247 TO 249, 127 AND 131
9.Taluka	SHIROL
10.Village	DATTANAGAR
11.Area of the project	OTHER AREA
12.IOD/IOA/Concession/Plan Approval Number	NOT APPLICABLE IOD/IOA/Concession/Plan Approval Number: NOT APPLICABLE Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	85.46 H
16.Deductions	0
17.Net Plot area	85.46 H
18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): 539.43 Non FSI area (sq. m.): 9460.56 Total BUA area (sq. m.): 9999.99
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval:



19.Total ground coverage (m2)	46100
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	5.39
21.Estimated cost of the project	0



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22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	SUGAR	28125	5625	33750
2	BAGASSE	64125	12825	76950
3	FILTER CAKE	8400	1687.5	1087.5
4	MOLASSESS	8400	1687.5	1087.5
5	ELECTRICITY	5292000 KW/ MONTH	NIL	5292000 KW/ MONTH

23. Total Water Requirement

Dry season:	Source of water	PANCHAGANGA RIVER
	Fresh water (CMD):	900
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	900 CUM PER DAY
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	1500 CUM PER DAY
Wet season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

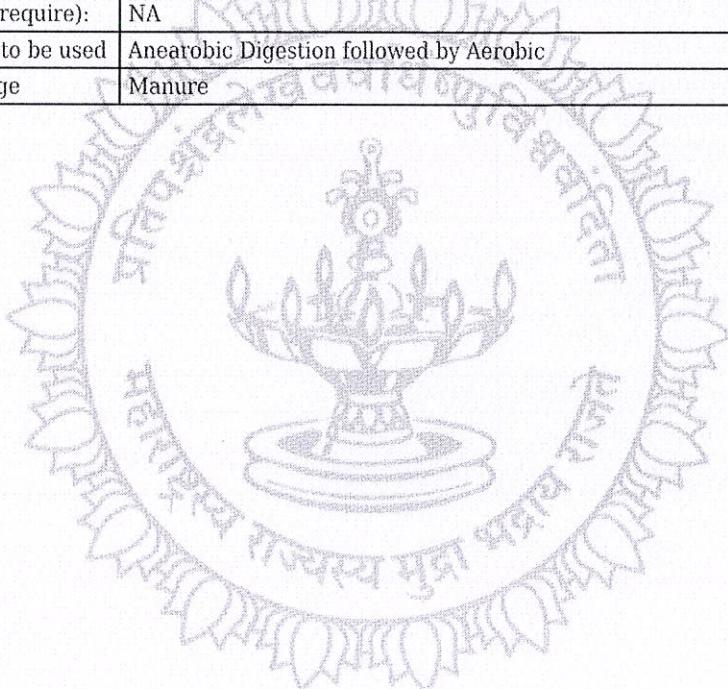
24. Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	100	0	100	20	0	20	80	0	80
Industrial Process	2200	0	2200	1500	0	1500	700	0	700
25. Rain Water Harvesting (RWH)	Level of the Ground water table:	5m							
	Size and no of RWH tank(s) and Quantity:	1 TANK- 34 X 50 X 2.5 m- 5100 CUM							
	Location of the RWH tank(s):	NEAR GARDEN AREA							
	Quantity of recharge pits:	0							
	Size of recharge pits :	NA							
	Budgetary allocation (Capital cost) :	Rs. 5 Lakhs							
	Budgetary allocation (O & M cost) :	Rs. 50,000							
26. Storm water drainage	Natural water drainage pattern:	SURFACE RUNOFF							
	Quantity of storm water:	4160 CUM							
	Size of SWD:	1 X 0.5 X 0.5m							
27. Sewage and Waste water	Sewage generation in KLD:	80							
	STP technology:	Septic Tank Followed by ETP							
	Capacity of STP (CMD):	1 - 700 CUM							
	Location & area of the STP:	Along with Process Effluent							
	Budgetary allocation (Capital cost):	Rs. 1 Crores including process ETP							
	Budgetary allocation (O & M cost):	Rs. 5 Lakhs							

28. Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	1 MT/ Month
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	Spent Oil- 0.1 MT/ Month
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	✓ 11.34 MT/ Month
Mode of Disposal of waste:	Others if any:	NA
	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	Mixed with bagasse and burnt in Boiler
	Biomedical waste (If applicable):	NA
Area requirement:	STP Sludge (Dry sludge):	Used for Composting
	Others if any:	NA
	Location(s):	Dattanagar, Shirol.
	Area for the storage of waste & other material:	45 SQM
	Area for machinery:	100 SQM
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	1 Crores
	O & M cost:	5 Lakhs

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29.Effluent Characteristics					
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	NA	4.5	7.5	5.5-9
2	BOD	mg/l	1500	40	<100
3	COD	mg/l	2500	110	<250
4	TSS	mg/l	400	55	<100
Amount of effluent generation (CMD):	700				
Capacity of the ETP:	700				
Amount of treated effluent recycled :	NIL				
Amount of water send to the CETP:	0				
Membership of CETP (if require):	NA				
Note on ETP technology to be used	Anearobic Digestion followed by Aerobic				
Disposal of the ETP sludge	Manure				



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30.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Oil	5.1	MT/Month	0.1	0	0.1	Mixed with Bagasse and burnt in Bioler.

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	During Season	BAGASSE- 72 TPH	1	95	4	130
2	During Off Season	BAGASSE- 36.75 tph	1	95	4	130

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total	
1	BAGASSE	72 TPH	0 TPH	72 TPH	
Source of Fuel		BAGASSE FROM SUGARCANE CRUSHING IN FACTORY AND COAL FROM OPEN MARKET			
Mode of Transportation of fuel to site		BAGASSE BY CONVEYOR BELT- SUGAR FACTORY TO CO-GEN BOILER AND COAL BY TRUCKS TO COAL YARD SILOS.			

33.Energy

Power requirement:	Source of power supply :	OWN GENERATION
	During Construction Phase: (Demand Load)	NIL
	DG set as Power back-up during construction phase	500 KVA- 1 NOS.
	During Operation phase (Connected load):	11 MW
	During Operation phase (Demand load):	10 MW
	Transformer:	VOLTAM- 2000 KVA
	DG set as Power back-up during operation phase:	500 KVA- 1 NOS.
	Fuel used:	DIESEL
	Details of high tension line passing through the plot if any:	YES, 33 KV

34.Energy saving by non-conventional method:

NIL

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
PROCESS EFFLUENT	ANAEROBIC FOLLOWED BY AEROBIC	NIL
CONDENSATE TREATMENT	COOLING TOWER FOLLOWED BY AERATION	NIL

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 1 Crores
	O & M cost:	Rs. 5 Lakhs

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	5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	POLLUTANT	SOLID AND LIQUID EFFLUENT AND GASEOUS EMISSIONS	200	30

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
NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

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	CATEGORY- B
	Court cases pending if any	NIL
	Other Relevant Informations	NIL
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	23-01-2017

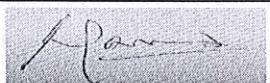
3. The proposal has been considered by SEIAA in its 130th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	PP to submit copy of agreement made with the Irrigation department for lifting water from the river. PP to comply with all terms and conditions mentioned in the agreement.
II	PP informed that they have obtained earlier EC vide No. J-11011/33/2001=IA-II(1) dated 11.12.2007; MoEF's regional office Nagpur visited the site and identified few non compliance in their report including excess crushing. PP to submit copy of reply submitted to MoEF&CC regional office in this regard.
III	PP to submit copy of point wise reply to the issues rose in Public Hearing.
IV	PP to submit letter mentioning exact project cost.

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.

<p>SEIAA Meeting No: 130 Meeting Date: May 25, 2018 (SEIAA-STATEMENT-000000041) SEIAA-MINUTES-000000450 SEIAA-EC-0000000326</p>	<p>Page 9 of 11</p>	 <p>Shri Satish.M.Gavai (Member Secretary SEIAA)</p>
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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 be 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, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
XXIV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
XXV	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

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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 Satish.M.Gavai (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 KOLHAPUR
10. REGIONAL OFFICE MPCB KOLHAPUR
11. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
12. COLLECTOR OFFICE KOLHAPUR
13. COLLECTOR OFFICE SANGLI

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