STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

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

To,
Padmashree Dr. Vitthalrao Vikhe-Patil Sahakari Sakhar Karkhana Ltd
at 194/A/1, 194/A/2, 195/A/1, 195/A/2, 196/1, 196/2, 197/A, 197/B, 198/A/1-2, 198/B, 205/A/1-2, 205/B, 206

Subject: Environment Clearance for Expansion of Sugar Unit from 4000 TCD to 7200 TCD

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 180th 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 Category B, 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 from 4000 TCD to 7200 TCD
2.Type of institution	Private
3.Name of Project Proponent	Padmashree Dr. Vitthalrao Vikhe-Patil Sahakari Sakhar Karkhana Ltd
4.Name of Consultant	Vasantdada Sugar Institute
5.Type of project	Not applicable
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	NA
8.Location of the project	194/A/1, 194/A/2, 195/A/1, 195/A/2, 196/1, 196/2, 197/A, 197/B, 198/A/1-2, 198/B, 205/A/1-2, 205/B, 206
9.Taluka	Rahata
10.Village	Pravranagar
Correspondence Name:	Managing Director
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	Pravaranagr
City:	Rahata, Ahmednagar
11.Whether in Corporation / Municipal / other area	Other area: Grampanchayat
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area:

13.Note on the initiated work (If applicable)	NO WORK HAS BEEN INITIATED
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	Sugar Unit: Existing 145371 sq.m + proposed 13180 sq.m (Total plot area 272 acre including industrial, utilities, amenities and greenbelt)
16.Deductions	Not applicable
17.Net Plot area	Not applicable
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.):
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)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	157500000

22.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Sugar cane crushing (TPD)	4000	3200	7200
2	Sugar	14448	12098.4	26546.4

23.Total Water Requirement

Dry season:	**Source of water**	Pravara Left Bank Canal
	Fresh water (CMD):	339
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	339
	Fire fighting - Underground water tank(CMD):	70000
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	Pravara Left Bank Canal
	Fresh water (CMD):	50
	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):	70000
	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	40	10	50	8	2	10	32	8	40
Industrial Process	400	320	720	NA	NA	NA	400	320	720
Fresh water requirement	200	139	339	200	139	339	NA	NA	NA

25.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	20 m
	Size and no of RWH tank(s) and Quantity:	Rain water harvesting tank is proposed
	Location of the RWH tank(s):	near office building
	Quantity of recharge pits:	not any
	Size of recharge pits :	not applicable
	Budgetary allocation (Capital cost) :	20 Lakh
	Budgetary allocation (O & M cost) :	2.00 Lakh
	Details of UGT tanks if any :	NA
26.Storm water drainage	**Natural water drainage pattern:**	--
	Quantity of storm water:	54717.8 M3
	Size of SWD:	1000 m X 0.450 m X 0.750 m
27.Sewage and Waste water	**Sewage generation in KLD:**	50
	STP technology:	Activated Sludge Process
	Capacity of STP (CMD):	Not any
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	75 Lakh
	Budgetary allocation (O & M cost):	5 Lakh

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	In minor quantity
	Disposal of the construction waste debris:	Top soil will be used for gardening purpose and excavated earth , debris will be used within the plot for re-filling and internal road development
Waste generation in the operation Phase:	**Dry waste:**	Bagasse: 2051.4 TPD, Press Mud: 266.4 TPD
	Wet waste:	Molasses: 272.88 TPD ETP sludge 480 TPA
	Hazardous waste:	10 -15 MT/annum
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	15 T/month
	Others if any:	Not applicable
Mode of Disposal of waste:	**Dry waste:**	Bagasse: Will be sent to Pravara Renewable Energy Ltd., Press Mud : Used as manure after bio-composting process in own farm and stake holder farmers land & Boiler Ash: Sold to brick manufacturer
	Wet waste:	Molasses: Will be used in distillery unit as raw material, ETP sludge will be used as manure
	Hazardous waste:	Spent oil will be burn with bagasse in furnace
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Mixed into soil
	Others if any:	not any
Area requirement:	**Location(s):**	Within factory premises
	Area for the storage of waste & other material:	5200
	Area for machinery:	400
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	75
	O & M cost:	25

29.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	PH	--	4- 5.5	6.5 - 8.5	5.5 to 9.0
2	BOD	mg/lit	1500 - 3000	< 30	30
3	COD	mg/lit	2500 - 6000	< 250	250
4	Total Dissolved solids	mg/lit	1800 - 2500	< 2100	2100
5	Total Suspended Solids	mg/lit	600 - 800	< 100	100

Amount of effluent generation (CMD):	720
Capacity of the ETP:	1000 CMD
Amount of treated effluent recycled :	720
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	The note is attached as Annexure 1
Disposal of the ETP sludge	ETP sludge will be used in composting process with pressmud and will be used manure

30.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent oil	5.1	MT/annum	7 - 8	5 - 6	10 - 15	Burnt into boiler

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	NA	0	0	0	0	0

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	NA	0	0	0

33.Source of Fuel	Not applicable
34.Mode of Transportation of fuel to site	Not applicable

35.Energy

Power requirement:	**Source of power supply :**	Pravara Renewable Energy Ltd
	During Construction Phase: (Demand Load)	-
	DG set as Power back-up during construction phase	2 of 1250 kVA capacity each
	During Operation phase (Connected load):	2 of 1250 kVA capacity each
	During Operation phase (Demand load):	6.9 MW /hr
	Transformer:	-
	DG set as Power back-up during operation phase:	2 of 1250 kVA capacity each
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

Energy saving by non-conventional method:

NA

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
Fugitive dust from handling of bagasse	Closed conveyor belt	Closed conveyor belt
Process Effluent	ETP	ETP
Domestic waste water	Septic tank and sock pit	STP

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

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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	Bagasse handling system	75	25
2	Water pollution and management	Water recycling, ETP, STP, RWH	135	12
3	Environmental monitoring and safety	Environmental monitoring and safety	10	25
4	Greenbelt development	Greenbelt development	15	5

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
NA	NA	NA	NA	NA	NA	NA	NA

40.Any Other Information

No Information Available

	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	Category B, 5 (j)
	Court cases pending if any	Not any
	Other Relevant Informations	Not any
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	01-01-1900

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 prepare and implement sugar cane development plan so as to increase per hectare yield of sugar cane to meet the requirement of proposed expansion quantities instead of bringing additional areas under sugar cane cultivation.
II	PP to provide socials infrastructure in the Z.P.Schools of study area like solar energy , sanitation facility, clean drinking water facility in consultation with the CEO Zilla Parishad, Ahmedangar.
III	PP to include carbon and water foot print in Environment Management Plan and adopt necessary measures to reduce the same.
IV	EC is subject to submission of plan approval.
V	PP to ensure that CER plan gets approved from District Collector.
VI	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 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.

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. SECRETARY MOEF & CC
2. IA- DIVISION MOEF & CC
3. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
4. REGIONAL OFFICE MOEF & CC NAGPUR
5. MUNICIPAL COMMISSIONER PUNE
6. MUNICIPAL COMMISSIONERAURANGABAD
7. MUNICIPAL COMMISSIONER SATARA
8. REGIONAL OFFICE MPCB AURANGABAD
9. REGIONAL OFFICE MPCB PUNE
10. REGIONAL OFFICE MIDC AURANGABAD
11. REGIONAL OFFICE MIDC PUNE
12. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
13. COLLECTOR OFFICE PUNE
14. COLLECTOR OFFICE JALNA
15. COLLECTOR OFFICE AURANGABAD
16. COLLECTOR OFFICE LATUR
17. COLLECTOR OFFICE SATARA
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19. COLLECTOR OFFICE NANDED
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