

M/S SWARAJ INDIA AGRO LTD

**60 KLPD Molasses based Distillery Project
& Expansion of cogeneration Power Plant from 19.5
to 22.5 MW at Gut No. 332, 221Village – Upalve,
Tal – Phaltan, Dist. Satara,**

&

***19.5 MW Bagasse Based Co generation Power
Plant at Upalve, Tal Phaltan, District Satara***



SIX MONTHLY COMPLIANCE REPORT

JULY TO DECEMBER 2020



CIN: U01409PN2010PLC137013

Ref.

Date :

To,
Shri Kanwarjit Singh APCCF (C)
Ministry of Environment and Forest, Climate Change
Regional Office (WCZ), Ground Floor,
East Wing, New Secretariat Building,
Civil Line, Nagpur-440001

Dear Sir,

Sub: Submission of six monthly compliance report for 19.5 MW Bagasse based Cogeneration Power plant & Molasses based Distillery (60 KLPD) and expansion of Cogeneration Power Plant (from 19.5 MW to 22.5 MW) at gat no. 332 A,332 B/2, 332C, 221 Village Upalave, Tel- Phaltan, Dist. Satara Maharashtra By M/s Swaraj India Agro Ltd.

Dear Sir,

As per the condition mention in the Environmental clearance letter no. J-11011/91/2014-IA II (I) Dated 12th July 2016 & F. No. J-11011/91/2014-IA II (I) Dated 12th July 2016. We are herewith submitting the following.

Particulars	Description
1. Name of the Project	Proposed 60 KLPD Molasses based Distillery Project & Expansion of cogeneration Power Plant from 19.5 to 22.5 MW at Gut No. 332 , 221Village – Upalve, Tal – Phaltan, Dist. Satara, & 19.5 MW Bagasse based co generation power plant at Upalve Tal Phaltan District Satara, Maharashtra by M/s Swaraj India Agro Ltd. (SIAL) At Village – Upalve, Tal – Phaltan, Dist. Satara
2. Project Proponent	M/s. Swaraj India Agro Ltd.
3. Current status of the project	Sugar and Cogeneration Unit: Operation phase Distillery Unit: Construction phase
4. Contact details of the nodal officer	Shri. Vinay S. Thakur by M/s Swaraj India Agro Ltd. (SIAL) At Village – Upalve, Tal – Phaltan, Dist. Satara Maharashtra - 415523 E-mail : vinay@swarajindia.co.in ; Mob. No. : 8411977331
5. Project Information sheet	Annexure no-I
6. Compliance condition	Annexure no-II
7. Monitoring report	Monitoring report are attached as Annexure
Gat No 332 B/2, A./p. UPALAVE, Tal. Phaltan, Dist. Satara - 415523 Maharashtra (India). Tel. No. (02166) 223777 email - info@swarajindia.co.in	



SWARAJ INDIA

AGRO LTD

CIN: U01409PN2010PLC137013

We hope the above information is in line with your requirement.

Date :

Thanking You,

Yours faithfully,

For M/s. Swaraj India Agro Ltd.

V. M. Dole

Authorized Signatory

Encl: Compliance report

CC.

1. Department of Environment Gov. of Maharashtra
2. MPCB Mumbai Office
3. MPCB Pune Office



ENVIRONMENT CLEARANCE

Cogeneration Project

Government of Maharashtra

SEAC-2013/CR-548/TC-2
Environment department
Room No. 217, 2nd floor,
Mantralaya Annex,
Mumbai- 400 032.
Dated: 1st April, 2015

To,
Mr. Ranjeetsingh H.Naik Nimbalkar
A/p. Nimbhore, Tal. Phaltan,
Dist. Satara- 415523

Subject: Environment Clearance for Proposed 19.5 MW bagasse based co generation power plant at vill Upalve Tal Phaltan Satara by M/s. Swaraj India Agro Ltd (SIAL)

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 96th meeting and decided to 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 83rd meeting.

2. It is noted that the proposal is considered by SEAC-I under screening category 1(d) B1 as per EIA Notification 2006.

Brief Information of the project submitted by Project Proponent is as:

Name of Project	19.5 MW Bagasse Based Co-generation Power Plant by M/s Swaraj India Agro Ltd. (SIAL)															
Project Proponent	Mr. Ranjeetsingh H.Naik Nimbalkar															
Consultant	MITCON Consultancy & Engineering Services Ltd.															
New Project / Expansion	New Project															
Activity schedule in the EIA Notification	1(d)															
Area Details	<ul style="list-style-type: none">• Total plot area (Acre.) : 63 (Karkhana Area)• Industrial Activity area (Acre.) : 33															
Estimated capital cost of the Project (including cost for land, building, plant and machinery separately)	<table border="1" style="width: 100%;"><thead><tr><th>Total Project Cost</th><th>Cogen Power (Rs. in Lakh)</th></tr></thead><tbody><tr><td>Land & Site Development</td><td>325.00</td></tr><tr><td>Civil works & Buildings</td><td>1320.00</td></tr><tr><td>Indigenous Plant and Machinery</td><td>8593.00</td></tr><tr><td>Miscellaneous Fixed Assets</td><td>250.00</td></tr><tr><td>Preliminary & Pre-Op.Expenses</td><td>833.00</td></tr><tr><td>Contingencies</td><td>113.00</td></tr></tbody></table>		Total Project Cost	Cogen Power (Rs. in Lakh)	Land & Site Development	325.00	Civil works & Buildings	1320.00	Indigenous Plant and Machinery	8593.00	Miscellaneous Fixed Assets	250.00	Preliminary & Pre-Op.Expenses	833.00	Contingencies	113.00
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		Margin on Working Capital	37.00		
		Total	11471.00		
Location details of the project :	<ul style="list-style-type: none"> • Latitude : 17°50'4.82"N • Longitude : 74°23'10.98"E • Location : Gat No. 332/B/2 At Village – Upalve, Tal – Phaltan, Dist. Satara • Elevation above Mean Sea Level: 724 meter 				
Raw materials (including process chemicals, catalysts, & additives).	List of raw materials to be used	'Physical and chemical nature of raw material	'Quantity (tonnes/year) full production capacity	Source of materials	Means of transportation (Source to storage site) with justification
	Bagasse	Fibrous material	Season (160 days) : 162355MT Off-season (55 Days): 42927MT	Proposed Sugar Factory	By conveyor belt with enclosed sheet
Production details	Name of Products, By products and Intermediate Products		Existing (T/Year)	Proposed activity (new/modernization/expansion) (T/Year)	Total (T/Year)
	Main Products: (Power)	Season (160 Days)	0	19.5 MW	
		Off-Season (55 Days)	0	19.5 MW	
	By-Products Intermediate Products: Ash	Season (160 Days)	0	3247 MT	4105 MT
Off-Season (55 Days)		0	858 MT		
Process details / manufacturing details	In power generation scheme, chemical energy of fuel is first converted into thermal energy (during combustion), which is then converted into mechanical energy (through a turbine) and finally into electrical energy (through a generator).				
Rain Water Harvesting (RWH)	In the factory premises roof top area will be determined and subsequently rain water harvesting potential will be calculated. However detailed design and engineering of the RWH system will be undertaken during implementation stage.				

Total Water Requirement	<p>Total water requirement: <ul style="list-style-type: none"> Fresh water (CMD) : 509 & Source: Banganga Dam Use of the water:</p> <table border="1" data-bbox="608 210 1347 555"> <thead> <tr> <th>Particulars</th> <th>Requirement (CMD)</th> </tr> </thead> <tbody> <tr> <td>Process</td> <td>10</td> </tr> <tr> <td>Cooling water</td> <td>102</td> </tr> <tr> <td>DM Water</td> <td>370</td> </tr> <tr> <td>Dust Suppression</td> <td>35</td> </tr> <tr> <td>Drinking</td> <td>27</td> </tr> <tr> <td>Green belt</td> <td>44</td> </tr> <tr> <td>Fire service</td> <td>5</td> </tr> <tr> <td>Others</td> <td>3</td> </tr> </tbody> </table>					Particulars	Requirement (CMD)	Process	10	Cooling water	102	DM Water	370	Dust Suppression	35	Drinking	27	Green belt	44	Fire service	5	Others	3
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Storm water drainage	Proper storm water drainage line will be provided to maintain the natural flow of storm water																						
Sewage generation and treatment	<ul style="list-style-type: none"> Amount of sewage generation (CMD) :22 Proposed treatment for the sewage : Generated sewage will be treated in package STP Capacity of the STP (CMD) (If applicable): 25 																						
Effluent characteristic	Sr. no	Parameters	Inlet effluent Characteristics	Outlet effluent Characteristics	Effluent Discharge Standards (CPCB)																		
	1	pH	4.01	7.25	5.5 -9																		
	2	TDS (mg/l)	1912	422																			
	3	TSS(mg/l)	236	30	200																		
	4	BOD(mg/l)	6486	22	100																		
	5	COD(mg/l)	2500	36																			
	6	Oil & Grease(mg/l)	28	6	10																		
	7	Chlorides (mg/l)	306	32																			
	8	Sulphates (mg/l)	161	22																			
ETP details	<ul style="list-style-type: none"> Amount of effluent generation (CMD) : 78 Capacity of the ETP (CMD) : 150 Amount of treated effluent recycled (CMD) : 140 																						
Note on ETP technology to be used	Activated Sludge process																						
Disposal of the ETP sludge (If applicable)	Generated ETP sludge used for green belt development and bio-composting purpose																						
Solid waste Management	Sr. No	Source	Qty (TPM)	Form (Sludge / Dry / Slurry etc.)	Composition																		
	2.	ETP	3	Sludge	NPK																		
	3.	Process	Ash-609	Dry	Silica																		
Atmospheric Emissions (Flue gas characteristics SPM, SO ₂ , NO _x , CO, etc.)	Sr. No.	Pollutant	Source of Emission	Emission rate (kg/hr)	Concentration in flue gas (g/sec)																		

	1	SPM	Stack	850	0.13		
	2	SO ₂	Stack	42	11.67		
	3	NO _x	Stack	Concentration in flue gas will be 100 mg/Nm ³			
	4	CO	Stack	NA	NA		
Stack emission Details:							
	Plant Section & units	Stack No.	Height from ground level (m)	Internal Diameter (Top)(m)	Emission Rate (kg /hr)	Temp. of Exhaust Gases (°C)	
	110 TPH Boiler	1 st	82	3.8	850	150	
Emission Standard							
	Pollutants	Emission Standard Limit (mg/Nm ³)	Proposed Limit	MPCB Consent			
	SPM	150	6 mg/Nm ³	150 mg/Nm ³			
	SO ₂		0.964 T/Day	7 T/Day			
Ambient Air Quality Data							
	Pollutant	Permissible Standard µg/m ³	Proposed Concentration (in µg/m ³)	Remarks			
	PM ₁₀	100	21.02	Due to proposed activity there is increase in pollution activity it will be mitigate by providing pollution control equipments such as ESP & dust suppression method & by developing green belt around the factory and within the premises			
	PM _{2.5}	60	18				
	SO ₂	80	20.8				
	NO _x	80	27.5				
Details of Fuel to be used:							
	Sr. No	Fuel	Daily Consumption (TPD/KLD)		Calorific value (Kcals /kg)	% Ash	% Sulphur
			Existing	Proposed			
	7	Bagasse		Season: 1015 Off-Season: 780	2250	2	0.05
<ul style="list-style-type: none"> • Source of fuel: Proposed sugar factory of capacity 4400 TCD • Mode of transportation of fuel to site: Conveyor Belts 							

Energy	<p>Power supply:</p> <ul style="list-style-type: none"> Existing power requirement: } Season : 6.36 MW Proposed power requirement: } Off-Season : 1.86 MW <p>DG sets:</p> <ul style="list-style-type: none"> Number and capacity DG sets to be used (existing and proposed) <p>Details of the non-conventional renewable energy proposed to be used : Yes</p> <p>Bagasse will be used : Season (160 Days) – 162355 MT Off-Season (55 Days) – 42927 MT</p>																																	
Green Belt Development	<ul style="list-style-type: none"> Green belt area (Acre.): 18 Number and species of trees to be planted : 6000 																																	
Details of Pollution Control Systems:	<table border="1" data-bbox="582 600 1428 1014"> <thead> <tr> <th>Sr. No.</th> <th></th> <th>Existing pollution control system</th> <th>Proposed to be installed</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Air</td> <td>--</td> <td>ESP</td> </tr> <tr> <td>2</td> <td>Water</td> <td>--</td> <td>ETP</td> </tr> <tr> <td>3</td> <td>Noise</td> <td>--</td> <td>Acoustic Enclosures will be provided</td> </tr> <tr> <td>4</td> <td>Solid Waste</td> <td>--</td> <td>It will be used in bio-composting</td> </tr> </tbody> </table>	Sr. No.		Existing pollution control system	Proposed to be installed	1	Air	--	ESP	2	Water	--	ETP	3	Noise	--	Acoustic Enclosures will be provided	4	Solid Waste	--	It will be used in bio-composting													
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Environmental Management plan Budgetary Allocation	<ul style="list-style-type: none"> Capital cost (With break up): 683 Lakhs O&M cost (With break up): 161 Lakhs <p>During Construction Phase</p> <table border="1" data-bbox="651 1238 1412 1552"> <thead> <tr> <th>Sr. No</th> <th>Name of Activity</th> <th>Cost in INR , Lakhs</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Sanitation</td> <td>2.00</td> </tr> <tr> <td>2</td> <td>Potable water requirement for workers</td> <td>2.00</td> </tr> <tr> <td>3</td> <td>Health Care , Safety</td> <td>3.00</td> </tr> <tr> <td colspan="2">Total</td> <td>7.00</td> </tr> </tbody> </table> <p>During Operation Phase</p> <table border="1" data-bbox="624 1608 1449 1964"> <thead> <tr> <th>No.</th> <th>Particulars</th> <th>Cost in INR, Crore</th> </tr> </thead> <tbody> <tr> <td colspan="3">One Time Installation Cost (Capital Cost)</td> </tr> <tr> <td>1</td> <td>Air Pollution Control System (ESP, Stack)</td> <td>4.0</td> </tr> <tr> <td>2</td> <td>Noise Control Systems</td> <td>1.25</td> </tr> <tr> <td>3</td> <td>Green Belt Development</td> <td>0.08</td> </tr> <tr> <td>4</td> <td>Environmental Lab</td> <td>0.75</td> </tr> </tbody> </table>	Sr. No	Name of Activity	Cost in INR , Lakhs	1	Sanitation	2.00	2	Potable water requirement for workers	2.00	3	Health Care , Safety	3.00	Total		7.00	No.	Particulars	Cost in INR, Crore	One Time Installation Cost (Capital Cost)			1	Air Pollution Control System (ESP, Stack)	4.0	2	Noise Control Systems	1.25	3	Green Belt Development	0.08	4	Environmental Lab	0.75
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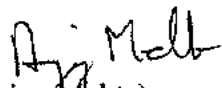
	5	Water Pollution Control System - ETP , Package STP	1.25																																			
	6	Occupational Health & Safety	1.5																																			
		Total	8.83																																			
Recurring Cost																																						
	1	Environmental Monitoring /APH Maintenance	0.25																																			
	2	General Maintenance of ETP, Package STP	0.03																																			
	3	Greenbelt maintenance	0.008																																			
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		Total	1.61																																			
EIA Submitted (If yes then submit the salient features)	<p>Yes. EIA report is prepared as per Model TOR & Generic Structure prescribe in EIA notification 2006</p> <ul style="list-style-type: none"> • Period of data collected : 1st March 2014 to 31st May 2014 • Details of the primary data collection (i.e. location of the sample collection, number of visit etc.). <table border="1"> <thead> <tr> <th>Location Code</th> <th>Station Name</th> <th>Distance From Project Site (km)</th> <th>Direction</th> <th>Upwind/Downwind</th> </tr> </thead> <tbody> <tr> <td>AAQ-1</td> <td>Project Site</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>AAQ-2</td> <td>Gadewadi</td> <td>1.6</td> <td>SE</td> <td>Downwind</td> </tr> <tr> <td>AAQ-3</td> <td>Kulakjai</td> <td>3.8</td> <td>S</td> <td>Crosswind</td> </tr> <tr> <td>AAQ-4</td> <td>Palwan</td> <td>3.7</td> <td>E</td> <td>Downwind</td> </tr> <tr> <td>AAQ-5</td> <td>Upalve</td> <td>3.5</td> <td>N</td> <td>Cross Wind</td> </tr> <tr> <td>AAQ-6</td> <td>Veloshi</td> <td>2.8</td> <td>W</td> <td>Upwind</td> </tr> </tbody> </table>			Location Code	Station Name	Distance From Project Site (km)	Direction	Upwind/Downwind	AAQ-1	Project Site	-	-	-	AAQ-2	Gadewadi	1.6	SE	Downwind	AAQ-3	Kulakjai	3.8	S	Crosswind	AAQ-4	Palwan	3.7	E	Downwind	AAQ-5	Upalve	3.5	N	Cross Wind	AAQ-6	Veloshi	2.8	W	Upwind
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3. The proposal has been considered by SEIAA in its 83rd 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 :

- (i) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- (ii) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
- (iii) Regular monitoring of the air quality, including SPM & SO₂ levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.
- (iv) Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.
- (v) Proper Housekeeping programmes shall be implemented.
- (vi) 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 achieved.
- (vii) A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set.(If applicable)
- (viii) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (ix) Arrangement shall be made that effluent and storm water does not get mixed.
- (x) 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.
- (xi) Leq of 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.
- (xii) 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 conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
- (xiii) 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.
- (xiv) 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.
- (xv) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- (xvi) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xvii) 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.
- (xviii) The company shall undertake following Waste Minimization Measures :
 - Metering of quantities of active ingredients to minimize waste.
 - Reuse of by- products from the process as raw materials or as raw material substitutes in other process.
 - Maximizing Recoveries.
 - Use of automated material transfer system to minimize spillage.

- (xix) 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.
 - (xx) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
 - (xxi) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
 - (xxii) Separate silos will be provided for collecting and storing bottom ash and fly ash.
 - (xxiii) 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
 - (xxiv) 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>
 - (xxv) 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.
 - (xxvi) 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.
 - (xxvii) 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, NO_x (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.
 - (xxviii) 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.
 - (xxix) 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. The Environment department reserves the right 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.
6. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 5 years to start of production operations.
7. 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.
8. 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.
9. Any appeal against this environmental 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.


(Ajoy Mehta)
Principal Secretary,
Environment department &
MS, SEIAA.

Copy to:

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.
2. Shri T. C. Benjamin, IAS (Retired), Chairman, SEAC-I, 602, PECAN, Marigold, Behind Gold Adlabs, Kalyani Nagar, Pune – 411014. .
3. Additional Secretary, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
5. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
6. Regional Office, MPCB, Pune.
7. Collector, Satara

8. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.

9. Select file (TC-3)

(EC uploaded on 4/4/2015)

ENVIRONMENT CLEARANCE

Distillery Project



सत्यमेव जयते

J-11011/91/2014-IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

Indira Paryavaran Bhawan
Aliganj, Jorbagh Road,
New Delhi -110003

Telefax: 011-24695313
E-mail : lk.bokolia@nic.in
Dated: 12th July, 2016

To,

Shri Ranjeetsingh H. Naik Nimbalkar
Chairman
M/s Swaraj India Agro Ltd.
A/p Nimbhore, Taluka Phaltan
District Satara – 415523

E-mail: ranjeetsingh@swarajindia.co.in Fax: 2166-262064;

Subject: Molasses based Distillery (60 KLPD) and expansion of Cogeneration Power Plant (from 19.5 MW to 22.5 MW) at Gut No. 332 A, 332 B/2, 332 C, 221, Village Upalve, Tehsil Phaltan, District Satara, Maharashtra by M/s Swaraj India Agro Ltd. – Environmental Clearance reg.

Ref.: Your online proposal no. IA/MH/IND/22081/2014 dated 26th February, 2016.

Sir,

This has reference to your online proposal no IA/MH/IND/22081/2014 dated 26th February, 2016 alongwith project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report alongwith Public Hearing Report regarding above mentioned project.

2.0 The Ministry of Environment, Forests and Climate Change has examined the application. It is noted that proposal is for setting up of Molasses based Distillery (60 KLPD) and expansion of Cogeneration Power Plant (from 19.5 MW to 22.5 MW) at Gut No. 332 A, 332 B/2, 332 C, 221, Village Upalve, Tehsil Phaltan, District Satara, Maharashtra by M/s Swaraj India Agro Ltd.. Proposed plant will be installed in the existing unit of Sugar unit (4400 TCD) and Cogeneration power plant (19.5 MW). Total plot area is 63 acre of which greenbelt will be developed in 18 acres. The cost of project is Rs. 311.2 Crore. Out of which, Rs. 22.45 Crore and Rs. 63.83 Crore are earmarked towards capital cost and recurring cost per annum. No. of working days of distillery is 333 days per annum. No. of working days of Cogen Power plant during season is 160 days and off season is 55 days. It is reported that there is no ecological sensitive area and protected areas within 10 Km distance. Open scrub RF near Palvan Stony waste PF near Uplave is located within 10 Km distance. Banganga dam is located at a distance of 7 km.

3.0 Electrostatic precipitator (ESP) alongwith stack of adequate height will be provided to coal/spent wash fired boiler to control particulate emissions within 50 mg/Nm³. Total fresh water requirement from ground water source will be 130 m³/day for sugar unit; 509 m³/day for cogen and 388 m³/day for distillery. Spent wash from molasses based distillery will be evaporated in the

multiple effect evaporator (MEE) and concentrated spent wash will be incinerated in the incineration boiler to achieve 'Zero' discharge. Effluent from sugar, spentlees, utilities effluent and evaporator condensate will be treated in effluent treatment plant and recycled/reused in process. No effluent shall be discharged outside the premises and 'Zero' discharge shall be maintained. Spent wash holding tank capacity will be for 5 days. Tank shall be made with RCC. Fly ash will be sent to brick manufacturers. Spent oil will be sent to authorized recyclers.

4.0 Public Hearing / Public Consultation meeting was conducted on 4th December, 2015.

5.0 All molasses based distilleries are listed at S.N. 5(g) (i) under category 'A' and appraised at Central level.

6.0 The proposal was considered by the Expert Appraisal Committee (Industry-2) in its meetings held during 28th – 30th May, 2014 and 27th-28th April, 2016 respectively. Project Proponent and the EIA Consultant namely M/s MITCON Consultancy & Engineering Services, have presented EIA / EMP report as per the TOR. EAC has found the EIA / EMP Report and additional information to be satisfactory and in full consonance with the presented TORs. The Committee recommended the proposal for environmental clearance.

7.0 Based on the information submitted by the project proponent, the Ministry of Environment, Forests and Climate Change hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14th September 2006, subject to the compliance of the following Specific and General Conditions:

A. SPECIFIC CONDITIONS:

- i) Environment clearance accorded is for molasses based distillery unit (60 KLPD) only and no grain based distillery unit shall be operated without prior permission from the Ministry.
- ii) As proposed, Electrostatic precipitator (ESP) alongwith stack of adequate height should be provided to bagasse/coal/concentrated spent wash fired boiler to control particulate emissions within 50 mg/Nm³. At no time, the emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- iii) In plant, control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored and records shall be maintained. The emissions shall conform to the limits prescribed by Maharashtra Pollution Control Board (MPCB).
- iv) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB guidelines. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.
- v) The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its 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 MPCB. The levels of PM₁₀, PM_{2.5}, SO₂, NO_x, CO and HC (Methane) in ambient air shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.



- vi) Pucca approach road to project site shall be constructed prior to commencing construction activity of the main distillery to avoid fugitive emissions.
- vii) Total fresh water requirement from ground water source for 130 m³/day for sugar unit; 509 m³/day for cogen and 388 m³/day for distillery and prior permission shall be obtained from SGWA/CGWA.
- viii) Spent wash generation from molasses based distillery shall not exceed 8 KI/KI of alcohol. The spent wash from molasses based distillery shall be evaporated in MEE and concentrated spent wash will be incinerated in the incineration boiler to achieve 'Zero' discharge. Evaporator Condensate shall be treated in polishing pond and recycled/reused in process. Sewage shall be treated in the STP. No effluent shall be discharged outside the premises and 'Zero' discharge shall be maintained.
- ix) Spent wash shall be stored in impervious RCC lagoon with HDPE lining as per CPCB guidelines and should be kept in proper condition to prevent ground water pollution. Storage capacity of spent wash lagoon should be for 5 days.
- x) As proposed, no effluent from sugar, distillery and co-generation power plant should be discharged outside the premises and Zero discharge shall be achieved.
- xi) Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry. The ground water quality monitoring for pH, BOD, COD, Chloride, Sulphate and total dissolved solids shall be monitored. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Bhopal and MPCB.
- xii) Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.
- xiii) Continuous online (24 x7) monitoring to be installed for flow measurement and measurement of pollutants within the treatment unit. Data to be uploaded on company's website and provided to the respective RO of MEF&CC, CPCB and SPCB.
- xiv) Bagasse/coal storage should be done in such a way that it does not get air borne or fly around due to wind.
- xv) Boiler ash should be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing alongwith the storm water. Direct exposure of workers to fly ash & dust should be avoided. Bagasse ash and coal ash should be stored separately.
- xvi) Fire fighting system shall be as per the norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for fire fighting shall be made to control fire from the alcohol storage tank.
- xvii) Risk Assessment should be carried to assess the fire and explosion risk due to storage of alcohol and report submitted to the Ministry and its Regional Office at Bhopal within six months.
- xviii) Occupational health surveillance programme should be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre should be

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strengthened and the regular medical test records of each employee should be maintained separately.

- xix) Dedicated parking facility for loading and unloading of material shall be provided in the factory premises. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
- xx) All the commitments made during the Public Hearing/Public Consultation meeting held on 4th December, 2015 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.
- xxi) As proposed, green belt over 18 acres of the total project area shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- xxii) At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details should be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program should be ensured accordingly in a time bound manner.
- xxiii) Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board (MPCB), State Government and any other statutory authority.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii. The locations of ambient air quality monitoring stations shall be decided in consultation with the MPCB and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- iv. The overall noise levels in and around the plant area 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 conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- v. The Company shall harvest rainwater from the roof-tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.

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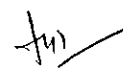
- vi. During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic wastewater and storm water drains.
- vii. Usage of Personnel Protection Equipments by all employees/ workers shall be ensured.
- viii. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- ix. The company shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.
- x. The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.
- xi. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- xii. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- xiii. The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
- xiv. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- xv. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance 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 Maharashtra Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.
- xvi. The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the UP 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 environmental clearance conditions and shall also be sent to the Bhopal Regional Offices of MoEF by e-mail.
- xvii. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

xviii. The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

8.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

9.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

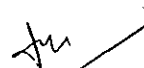
10.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.



(Lalit Bokolia)
Additional Director

Copy to :-

1. The Principal Secretary, Environment Department, Government of Maharashtra, 15th Floor, New Administrative Building, Mantralaya, Mumbai - 400 032
2. The Additional Principal Chief Conservator of Forests, Regional Office (WCZ), Ministry of Environment, Forest and Climate Change, Nagpur.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai-400 022.
5. Monitoring Cell, Ministry of Environment and Forests, Indira Paryavaran Bhavan, Jor Bagh Road, New Delhi.
6. Guard File/Monitoring File/Record File.



(Lalit Bokolia)
Additional Director

PROJECT INFORMATION

Cogeneration Project

SUGAR AND COGENERATION
Annexure I
PROJECT INFORMATION SHEET

1.	Project type: River Valley / Mining / Industry / Thermal / Nuclear / Others (specify)	:	Industry
2.	Name of the Project	:	19.5 MW Bagasse based co generation power plant at Upalve Tal Phaltan District Satara Maharashtra by M/s Swaraj India Agro Ltd. (SIAL) At Village – Upalve, Tal – Phaltan, Dist. Satara
3.	Clearance letter (s) / OM No. and date	:	EC letter of co generation Unit; SEAC-2013/CR-548/TC-2 dated 1 st April 2015
4.	Location	:	Satara
	a) District (s)	:	Maharashtra
	b) State (s)	:	Maharashtra
	c) Location latitude / longitude	:	17°50'4.82"North 74°23'10.98"East
5.	Address for Correspondence	:	Shri. Ranjeethsingh H. Naik Nimbalkar by M/s Swaraj India Agro Ltd. (SIAL) At Village – Upalve, Tal – Phaltan, Dist. Satara Maharashtra - 415523 E-mail :latifswaraj@gmail.com, ranjeetsingh@swarajindia.co.in Contact no.8550927111
	a) Address of the Concerned Project Chief Engineer (with Pin code & Telephone / Telex / Fax Numbers)		
	b) Address of the Concerned Project Chief Engineer (with Pin code & Telephone / Telex / Fax Numbers)		
6.	Salient features	:	Sugar and Bagasse based co generation power plant
	a) of the Project		Environment Management Plan Includes- -Green belt development (Plantation with mostly indigenous plant species) -Measures to avoid sound pollution -Water Environment (ETP) -Solid waste management(Segregation at source, organic waste-composting, inorganic waste-recycle/reuse/resource recovery & proper disposal) -Rain water harvesting plan -Energy conservation plan(use of natural resources & non conventional energy sources) -Risk assessment & Disaster management plan -Fire fighting system
	b) of the Environmental Management Plans		
7.	Break up of the Project Area	:	Not Applicable
	a) Submergence area: forest & non forest		
	b) Others		Plot area- 63 acres

8.	Break up of 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		Not Applicable																											
	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)	:	Not Applicable																											
9	Financial Details: Project cost as originally planned and subsequent revised estimates and the year of price reference	:	Total project Cost -11471 Lakh																											
b)	Allocation made for environmental management plans with item wise and year wise breakup	:	Capital Cost for EMP Rs 8.83 Cr <table border="1" data-bbox="783 958 1439 1585"> <thead> <tr> <th data-bbox="791 969 874 1043">No.</th> <th data-bbox="882 969 1254 1043">Particulars</th> <th data-bbox="1262 969 1439 1043">Cost in INR, Crore</th> </tr> </thead> <tbody> <tr> <td colspan="3" data-bbox="791 1055 1439 1093">One Time Installation Cost (Capital Cost)</td> </tr> <tr> <td data-bbox="791 1104 874 1178">1</td> <td data-bbox="882 1104 1254 1178">Air Pollution Control System (ESP, Stack)</td> <td data-bbox="1262 1104 1439 1178">4.0</td> </tr> <tr> <td data-bbox="791 1189 874 1238">2</td> <td data-bbox="882 1189 1254 1238">Noise Control Systems</td> <td data-bbox="1262 1189 1439 1238">1.25</td> </tr> <tr> <td data-bbox="791 1249 874 1299">3</td> <td data-bbox="882 1249 1254 1299">Green Belt Development</td> <td data-bbox="1262 1249 1439 1299">0.08</td> </tr> <tr> <td data-bbox="791 1310 874 1359">4</td> <td data-bbox="882 1310 1254 1359">Environmental Lab</td> <td data-bbox="1262 1310 1439 1359">0.75</td> </tr> <tr> <td data-bbox="791 1370 874 1444">5</td> <td data-bbox="882 1370 1254 1444">Water Pollution Control System - ETP</td> <td data-bbox="1262 1370 1439 1444">1.25</td> </tr> <tr> <td data-bbox="791 1456 874 1529">6</td> <td data-bbox="882 1456 1254 1529">Occupational Health & Safety</td> <td data-bbox="1262 1456 1439 1529">1.5</td> </tr> <tr> <td data-bbox="791 1541 874 1585"></td> <td data-bbox="882 1541 1254 1585">Total</td> <td data-bbox="1262 1541 1439 1585">8.83</td> </tr> </tbody> </table>	No.	Particulars	Cost in INR, Crore	One Time Installation Cost (Capital Cost)			1	Air Pollution Control System (ESP, Stack)	4.0	2	Noise Control Systems	1.25	3	Green Belt Development	0.08	4	Environmental Lab	0.75	5	Water Pollution Control System - ETP	1.25	6	Occupational Health & Safety	1.5		Total	8.83
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6	Occupational Health & Safety	1.5																												
	Total	8.83																												
c)	Benefit cost ratio/Internal rate of Return and the year of assessment	:	N.A.																											
d)	Whether (c) includes the cost of environmental management as shown in the above	:	Yes																											
e)	Actual expenditure incurred on the project so far	:	11471 Lakh																											
f)	Actual expenditure incurred on the environmental management plans so far	:	500 lakh																											
10	Forest Land Requirement																													

a)	The status of approval for diversion of forest land for non-forestry use	:	Not Applicable
b)	The status of clearing felling	:	Not Applicable
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	:	Not Applicable
11	The status of clear felling in non-forest areas (such as submergence area or reservoir, approach roads.), if any with quantitative information required.	:	Not Applicable
12	Status of construction (Actual&/or planned)		Operation phase
a)	Date of commencement (Actual&/or planned)	:	September 2015
b)	Date of completion (Actual&/or planned)	:	November 2016
13	Reasons for the delay if the project is yet to start	:	N.A.
14	Dates of Site Visits		
a)	The dates on which the project was monitored by the Regional Office on previous occasions, if any	:
b)	Date of site visits for this monitoring report	:	-
15	Details of the correspondence with project authorities for obtaining action plan / information on status of compliance to safeguards other than the routine letters for logistic support for site visit (The monitoring report may obtaining the details of all letters issued so far but the later reports may cover only the letters issued the subsequently)		-

PROJECT INFORMATION

Distillery Project

DISTILLERY PROJECT
Annexure I
PROJECT INFORMATION SHEET

1.	Project type: River Valley / Mining / Industry / Thermal / Nuclear / Others (specify)	:	Industry
2.	Name of the Project	:	Proposed 60 KLPD Molasses based Distillery Project & Expansion of cogeneration Power Plant from 19.5 to 22.5 MW at Gut No. 332 , 221, Village – Upalve, Tal – Phaltan, Dist. Satara. by M/s Swaraj India Agro Ltd. (SIAL) At Village – Upalve, Tal – Phaltan, Dist. Satara
3.	Clearance letter (s) / OM No. and date	:	EC letter of distillery Unit: F. No. J-11011/91/2014-IA II (I) Dated 12 th July 2016
4.	Location	:	Satara
	a) District (s)	:	Maharashtra
	b) State (s)	:	17°50'4.82"North 74°23'10.98"East
	c) Location latitude / longitude	:	
5.	Address for Correspondence	:	
	a) Address of the Concerned Project Chief Engineer (with Pin code & Telephone / Telex / Fax Numbers)	:	Shri. Ranjeethsingh H. Naik Nimbalkar by M/s Swaraj India Agro Ltd. (SIAL) At Village – Upalve, Tal – Phaltan, Dist. Satara Maharashtra - 415523
	b) Address of the Concerned Project Chief Engineer (with Pin code & Telephone / Telex / Fax Numbers)	:	E-mail :latifswaraj@gmail.com, ranjeetsingh@swarajindia.co.in Contact no.8550927111
6.	Salient features	:	
	a) of the Project	:	Molasses based Distillery Project at above location
	b) of the Environmental Management Plans	:	Environment Management Plan Includes- -Green belt development (Plantation with mostly indigenous plant species) -Measures to avoid sound pollution -Water Environment (ETP) -Solid waste management(Segregation at source, organic waste-composting, inorganic waste-recycle/reuse/resource recovery & proper disposal) -Rain water harvesting plan -Energy conservation plan(use of natural resources & non conventional energy sources) -Risk assessment & Disaster management plan -Fire fighting system
7.	Break up of the Project Area	:	
	a) Submergence area: forest & non forest	:	Not Applicable
	b) Others	:	Plot area- 63 acres

8.	Break up of 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		Not Applicable																																
	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)	:	Not Applicable																																
9	Financial Details: Project cost as originally planned and subsequent revised estimates and the year of price reference	:	Total Project Cost - 9600 lakh of distillery																																
a)	Allocation made for environmental management plans with item wise and year wise breakup	:	Distillery Unit: <table border="1" data-bbox="783 931 1466 1845"> <thead> <tr> <th data-bbox="788 931 863 1088">Sr. No.</th> <th data-bbox="868 931 1155 1088">Parameter</th> <th data-bbox="1160 931 1291 1088">Capital Cost (Rs lakh)</th> <th data-bbox="1295 931 1461 1088">O & M cost per annum (Rs. lakh)</th> </tr> </thead> <tbody> <tr> <td data-bbox="788 1095 863 1189">1.</td> <td data-bbox="868 1095 1155 1189">Spent wash fired boiler including ESP</td> <td data-bbox="1160 1095 1291 1189">1200</td> <td data-bbox="1295 1095 1461 1189">24</td> </tr> <tr> <td data-bbox="788 1196 863 1323">2.</td> <td data-bbox="868 1196 1155 1323">Solid waste management/ Ash handling system</td> <td data-bbox="1160 1196 1291 1323">100</td> <td data-bbox="1295 1196 1461 1323">10</td> </tr> <tr> <td data-bbox="788 1330 863 1503">3.</td> <td data-bbox="868 1330 1155 1503">Gardening & Landscaping i.e. Green belt development</td> <td data-bbox="1160 1330 1291 1503">30</td> <td data-bbox="1295 1330 1461 1503">3</td> </tr> <tr> <td data-bbox="788 1509 863 1603">4.</td> <td data-bbox="868 1509 1155 1603">Noise pollution control</td> <td data-bbox="1160 1509 1291 1603">50</td> <td data-bbox="1295 1509 1461 1603">6.5</td> </tr> <tr> <td data-bbox="788 1610 863 1704">5.</td> <td data-bbox="868 1610 1155 1704">Environmental Monitoring</td> <td data-bbox="1160 1610 1291 1704">--</td> <td data-bbox="1295 1610 1461 1704">10</td> </tr> <tr> <td data-bbox="788 1711 863 1805">6.</td> <td data-bbox="868 1711 1155 1805">Rain water Harvesting</td> <td data-bbox="1160 1711 1291 1805">50</td> <td data-bbox="1295 1711 1461 1805">7.5</td> </tr> <tr> <td colspan="2" data-bbox="788 1812 1155 1845">Total Cost</td> <td data-bbox="1160 1812 1291 1845">1430</td> <td data-bbox="1295 1812 1461 1845">61</td> </tr> </tbody> </table>	Sr. No.	Parameter	Capital Cost (Rs lakh)	O & M cost per annum (Rs. lakh)	1.	Spent wash fired boiler including ESP	1200	24	2.	Solid waste management/ Ash handling system	100	10	3.	Gardening & Landscaping i.e. Green belt development	30	3	4.	Noise pollution control	50	6.5	5.	Environmental Monitoring	--	10	6.	Rain water Harvesting	50	7.5	Total Cost		1430	61
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c)	Benefit cost ratio/Internal rate of Return and the year of assessment	:	N.A.																																
d)	Whether (c) includes the cost of environmental management as shown	:	Yes																																

	in the above		
e)	Actual expenditure incurred on the project so far	:	9000lakh
f)	Actual expenditure incurred on the environmental management plans so far	:	1900 Lakh
10	Forest Land Requirement		
a)	The status of approval for diversion of forest land for non-forestry use	:	Not Applicable
b)	The status of clearing felling	:	Not Applicable
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	:	Not Applicable
11	The status of clear felling in non-forest areas (such as submergence area or reservoir, approach roads.), if any with quantitative information required.	:	Not Applicable
12	Status of construction (Actual&/or planned)		Operation
a)	Date of commencement (Actual&/or planned)	:	April 2017
b)	Date of completion (Actual&/or planned)	:	October 2018
13	Reasons for the delay if the project is yet to start	:	N.A.
14	Dates of Site Visits		
a)	The dates on which the project was monitored by the Regional Office on previous occasions, if any	:
b)	Date of site visits for this monitoring report	:	-
15	Details of the correspondence with project authorities for obtaining action plan / information on status of compliance to safeguards other than the routine letters for logistic support for site visit (The monitoring report may obtaining the details of all letters issued so far but the later reports may cover only the letters issued the subsequently)		-

***COMPLIANCE OF
ENVIRONMENT CLEARANCE
CONDITIONS
Cogeneration Project***

19.5 MW Bagasse based co generation power plant at Upalve Tal Phaltan District Satara

Maharashtra by M/s Swaraj India Agro Ltd.- Environmental Clearance reg.

EC letter of Go generation Unit; SEAC-2013/CR-548/TC-2 dated 1st April 2015

Sr. No.	EC Conditions	Compliance
Specific EC Conditions:		
I.	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.	: Noted
II.	For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.	: Complied, Regular water sprinkling to controlling fugitive natural dust
III.	Regular monitoring of the air quality, including SPM & SO ₂ levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.	: Complied, Ambient air quality monitoring carried out. Copy of monitoring report is attached as annexure
IV.	Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.	: Complied.
V.	Proper Housekeeping programmes shall be implemented.	: Complied
VI.	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.	: Noted
VII.	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set.(If applicable)	: Noted, Stack with adequate height is provided to DG set for control and dispersion of pollutant. : Online Monitoring system is installed to Boiler stack of Cogeneration plant and system is connected to CPCB/MPCB server.
VIII.	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	: Complied, Rain water is harvested at earthen water storage tank is constructed in gut number 332 - C of SIAL premises. The total capacity of tank is 96800M ³ . Length: 400 feet, Width: 480 feet & Depth 18 feet

Sr. No.	EC Conditions	Compliance
IX.	Arrangement shall be made that effluent and storm water does not get mixed.	: Separate arrangement is made for effluent and storm water does not get mixed.
X.	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.	: Complied, water quality is tested and report are attached as annexure
XI.	Leq of 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.	: Noted, for people working in the high noise area, requisite personal protective equipment like earplugs etc. are provided.
XII.	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.	: Noise level in and around plant is carried pit and copy of results is attached
XIII.	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.	: Complied, Green belt is developed & maintained around the plant periphery. Photographs of green belt is attached as annexure
XIV.	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.	: Noted
XV.	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	: Noted
XVI.	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	: Noted
XVII.	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.	: Complied
XVIII.	The company shall undertake following Waste Minimization Measures ❖ Metering of quantities of active ingredients	: -

Sr. No.	EC Conditions	Compliance
	<p>to minimize waste.</p> <ul style="list-style-type: none"> ❖ Reuse of by- products from the process as raw materials or as raw material substitutes in other process. ❖ Maximizing Recoveries. ❖ Use of automated material transfer system to minimize spillage. 	
XIX.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	: Environment management cell with qualified staff is appointed for implementation of the stipulated environmental safeguards.
XX.	Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.	: Complied, Transportation of ash through closed containers
XXI.	Separate silos will be provided for collecting and storing bottom ash and fly ash.	: Complied, Separate silos is provided for collecting and storing bottom ash and fly ash
XXII.	Separate funds shall be allocated for implementation of environmental protection measures/EMF 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	: Complied, Separate funds are allocated for implementation of environmental protection measures/EMF along with item-wise breaks-up.
XXIII.	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://ecmaharashtra.gov.in	Noted
XXIV.	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 1 st June & 1 st December of each calendar year.	Complied. Copy of acknowledgement is attached
XXV.	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.	Complied.
XXVI.	The proponent shall upload the status of compliance of the stipulated EC conditions,	Complied.

Sr. No.	EC Conditions	Compliance
	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. 802, NO): (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.	
XXVII.	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.	Complied.
XXVIII.	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.	Copy of environment statement is attached as annexure
2	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.	Noted
3	The Environment department reserves the right 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.	Noted
4	Validity of Environment Clearance: The environmental clearance accorded shall be valid for a period of 5 years to start of production Operations.	Noted
5	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	noted

Sr. No.	EC Conditions	Compliance
	environmental protection measures required, if any.	
6	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.	Agree
7	Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 15' Floor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted

***COMPLIANCE OF
ENVIRONMENT CLEARANCE
CONDITIONS
DISTILLERY UNIT***

Molasses based Distillery (60KLPD) and expansion of cogeneration Power Plant (from 19.5 MW to 22.5 MW) at Gut No. 332 A,332B, 332C, 221, village Uplave, Tehsil Phaltan, District Satara, Maharashtra by M/s Swaraj India Agro Ltd.- Environmental Clearance reg. EC letter No. J-11011/91/2014-IA II (I) Dated 12th July 2016.

Sr. No.	EC Conditions	Compliance
A. Specific EC Conditions:		
I.	Environment clearance accorded is for molasses based distillery unit (60 KLPD) only and no grain based distillery unit shall be operated without prior permission from the Ministry.	: Noted
II.	As proposed, Electrostatic precipitator (ESP) along with stack of adequate height should be provided to bagasse/coal/concentrated spent wash fired boiler to control particulate emissions within 50 mg/Nm ³ . At no time, the emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.	: Complied, Electrostatic precipitator (ESP) along with 72 height of stack is provided to spent wash fired boiler.
III.	In plant, control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water Sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored and records shall be maintained. The emissions shall conform to the limits prescribed by Maharashtra Pollution Control Board (MPCB).	: Complied, To control fugitive emission through frequent water Sprinkling. Dust suppression system including water sprinkling system is provided at project site to control dust emissions.
IV.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB guidelines. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	: N.A

Sr. No.	EC Conditions	Compliance
V.	The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its 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 MPCB. The levels of PM, SO ₂ , NO _x , CO and HC (Methane) in ambient air shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.	Complied, Submitted the copy of Compliance of Environment clearance to Regional office of MOEF, the respective Zonal office of CPCB and the MPCB. Monitored level of ETP, Stack area displayed at factory gate
VI.	Pucca approach road to project site shall be constructed prior to commencing construction activity of the main distillery to avoid fugitive emissions.	Complied, Pucca approach road to project site is constructed prior to avoid fugitive emissions.
VII.	Total fresh water requirement from ground water source for 130 m ³ /day for sugar unit; 509 m ³ /day for cogen and 388 m ³ /day for distillery and prior permission shall be obtained from SGWA/CGWA.	Complied, Ground water is not withdrawn for the project. Total water is used from storage tank.
VIII.	Spent wash generation from molasses based distillery shall not exceed 8 Kl/Kl of alcohol. The spent wash from molasses based distillery shall be evaporated in MEE and concentrated spent wash will be incinerated in the incineration boiler to achieve 'Zero' discharge. Evaporator Condensate shall be treated in polishing pond and recycled/reused in process. Sewage shall be treated in the STP. No effluent shall be discharged outside the premises and 'Zero' discharge shall be maintained.	Complied, The total 460 KL/day spent wash will be generated. Spent wash is concentrated in multi-effect evaporator (MEE) to reduce the volume & concentrate. Concentrated spent ash is used in slop fired boiler as fuel. No effluent discharged outside the premises and 'Zero' discharge is maintained.
IX.	Spent wash shall be stored in impervious RCC lagoon with HDPE lining as per CPCB guidelines and should be kept in proper condition to prevent ground water pollution. Storage capacity of spent wash lagoon should be for 5 days.	Complied,, Spent wash is stored in impervious RCC lagoon with HDPE lining as per CPCB guidelines and kept in proper condition to prevent ground water pollution. Storage capacity of spent wash lagoon is for 5 days.
X.	As proposed, no effluent from sugar, distillery and co-generation power plant should be discharged outside the premises and Zero discharge shall be	Complied, no effluent from sugar, distillery and co-generation power plant discharged outside the premises and Zero discharge

Sr. No.	EC Conditions	Compliance
	achieved.	achieved.
XI.	Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. Sampling and trend analysis monitoring must be made on monthly 3 basis and report submitted to SPCB and this Ministry. The ground water quality monitoring for pH, BOD, COD, Chloride, Sulphate and total dissolved solids shall be monitored. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Bhopal and MPCB.	Complied,, but we are providing spent treatment MEE followed by Incineration Boiler, No waste water is discharged to water body or ground water.
XII.	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Complied, Effluent is not mix with storm water. Separate drain is provided for effluent and storm water
XIII.	Continuous online (24 x7) monitoring to be installed for flow measurement and measurement of pollutants within the treatment unit. Data to be uploaded on company's website and provided to the respective Ro of MEF&CC, CPCB and SPCB.	Yes, Complied, Continuous online (24 x7) monitoring will be installed for flow measurement and measurement of pollutants within the treatment unit before the operation of plant. Data is connected to MPCB and CPCB server .
XIV.	Bagasse/coal storage should be done in such a way that it does not get air borne or fly around due to wind.	Noted
XV.	Boiler ash should be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing alongwith the storm water. Direct exposure of workers to fly ash & dust should be avoided. Bagasse ash and coal ash should be stored separately.	Complied, Boiler ash is stored and sale for the brick manufacturers. Direct exposure of workers to fly ash & dust will be avoided. Bagasse ash and coal ash is be stored separately.
XVI.	Firefighting system shall be as per the norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for firefighting shall be made to control fire from the alcohol storage tank.	Noted, Firefighting system is as per the norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for firefighting will be made to control fire from the alcohol storage tank.

Sr. No.	EC Conditions	Compliance
XVII.	Risk Assessment should be carried to assess the fire and explosion risk due to storage of alcohol and report submitted to the Ministry and its Regional Office at Bhopal within six months.	: Complied,
XVIII.	Occupational health surveillance programme should be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health center should be strengthened and the regular medical test records of each employee should be maintained separately.	: Complied, health checkup of employees are undertaken regularly.
XIX.	Dedicated parking facility for loading and unloading of material shall be provided in the factory premises. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.	: Complied, provision made for dedicated parking facility for loading and unloading of material in the factory premises.
XX.	All the commitments made during the Public Hearing/Public Consultation meeting held on 4th December, 2015 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	: Complied
XXI.	As proposed, green belt over 18 acres of the total project area shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	: Yes, green belt over 18 acres of the total project area is developed within plant premises About 3000 Plants area planted at project premises. List of plant species wit number is attached at annexure
XXII.	At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details should be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program should	: Complied, under Enterprise Social Commitment (ESC), factory management implementing various activities like water facility for villages, road, support for school etc

Sr. No.	EC Conditions	Compliance
	be ensured accordingly in a time bound manner.	
XXIII.	Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	: Complied, project is in operation phase
B. GENERAL CONDITIONS:		
I.	The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board (MPCB), State Government and any other statutory authority.	: Noted and agreed
II.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those Submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	: Noted
III.	The locations of ambient air quality monitoring stations shall be decided in consultation with the MPCB and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	: Ambient air quality monitoring was carried out and copy of reports are enclosed
IV.	The overall noise levels in and around the plant area 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 conform to the standards prescribed under Environment (Protection) Act, 1986 Rules,	: Noise level monitoring was carried out and copy of reports are enclosed

Sr. No.	EC Conditions	Compliance															
	1989 viz. 75 dBA (day time) and 70 dBA (night time).																
V.	The Company shall harvest rainwater from the roof-tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	: Complied, rain water from roof top of the building and storm drains collected at the storage tank.															
VI.	During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic wastewater and storm water drains.	: Yes, During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic wastewater and storm water drains.															
VII.	Usage of Personnel Protection Equipment's by all employees/ workers shall be ensured.	: Noted															
VIII.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	: Noted															
IX.	The company shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	: <table border="1" data-bbox="922 1308 1492 2033"> <thead> <tr> <th data-bbox="922 1308 1177 1527">Parameter</th> <th data-bbox="1177 1308 1369 1527">Capital Cost (Rs lakh)</th> <th data-bbox="1369 1308 1492 1527">O & M cost per annum (Rs. lakh)</th> </tr> </thead> <tbody> <tr> <td data-bbox="922 1527 1177 1653">Spent wash fired boiler including ESP</td> <td data-bbox="1177 1527 1369 1653">1200</td> <td data-bbox="1369 1527 1492 1653">24</td> </tr> <tr> <td data-bbox="922 1653 1177 1787">Solid waste management/ Ash handling system</td> <td data-bbox="1177 1653 1369 1787">100</td> <td data-bbox="1369 1653 1492 1787">10</td> </tr> <tr> <td data-bbox="922 1787 1177 1953">Gardening & Landscaping i.e. Green belt development</td> <td data-bbox="1177 1787 1369 1953">30</td> <td data-bbox="1369 1787 1492 1953">3</td> </tr> <tr> <td data-bbox="922 1953 1177 2033">Noise pollution control</td> <td data-bbox="1177 1953 1369 2033">50</td> <td data-bbox="1369 1953 1492 2033">6.5</td> </tr> </tbody> </table>	Parameter	Capital Cost (Rs lakh)	O & M cost per annum (Rs. lakh)	Spent wash fired boiler including ESP	1200	24	Solid waste management/ Ash handling system	100	10	Gardening & Landscaping i.e. Green belt development	30	3	Noise pollution control	50	6.5
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X.	The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.	: Under CSR activity: <ul style="list-style-type: none"> • Organized Discussion programme for farmer to acquire modern agriculture practices. • Provide free water to drought affected villages. • Participation in 2 Cr tree plantation programme of Government of Maharashtra • Awareness programme "Road Accident Awareness" • Repair of Roads in villages • MSRTC Bus free pass for Girls. • Medical Facility • Water supply to drought affected villages • Training to farmers 									
XI.	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	: Noted									
XII.	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	: Environmental Management Cell includes well qualified and experience persons. Laboratory facility for Environmental Management and Monitoring is in place									
XIII.	The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated here in. The funds so earmarked for environment management pollution control measures shall not be diverted for any other purpose.	: Complied, sufficient fund allocated for implementation of EMP									
XIV.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body	: Complied									

Sr. No.	EC Conditions	Compliance
	and the local NGO, if any, from whom suggestions! representations, if any, were received while processing the proposal.	
XV.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance 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 Maharashtra Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.	: Complied
XVI.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted to the UP 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 environmental clearance conditions and shall also be sent to the Bhopal Regional Offices of MoEF by e-mail.	: Complied , Form V enclosed
XVII.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	: Complied, Local newspaper copy is attached

ANNEXURES

CONSENT TO OPERATE
Sugar, Cogeneration &
Distillery

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: <http://mpcb.gov.in>
Email: cac-cell@mpcb.gov.in



Kalpataru Point, 2nd and 4th
floor, Opp. Cine Planet
Cinema, Near Sion Circle, Sion
(E), Mumbai-400022

No:- Format1.0/CAC/UAN No.MPCB-
CONSENT-0000093461/CR - 2011000430

Date: 09/11/2020

To,
Swaraj India Agro Ltd
332, Upalave, Phaltan, Satara.

Sub: Renewal of 4900 TCD sugar unit & 19 MW Cogeneration unit, Under
M.S.I RED Category

Ref: 1. Renewal of consent granted by the Board vide no. CC/UAN NO.
MPCBCONSENT-0000032813 AND 0000077861/CR-2003000/58
dtd. 03.03.2020.
2. Minutes of CAC Meeting dtd.14.08.2020.

Your application No.MPCB-CONSENT-0000093461 Dated 26.06.2020

For: grant of Consent to Renewal under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The Consent to Renewal is granted upto: 31.07.2021
2. The capital investment of the industry is Rs.172.91 Crs. (As per C.A Certificate submitted by industry).
3. Consent is valid for the manufacture of:

Sr No	Product	Maximum Quantity	UOM
1	Sugar	15180	MT/M
2	Electricity (Co-generation)	19	MW
3	Baggase	47040	MT/M
4	Molasses	6615	MT/M
5	Pressmud	5880	MT/M

The Cane crushing capacity of Sugar unit shall not exceed 4900 TCD

4. Conditions under Water (P&CP) Act, 1974 for discharge of effluent:

Sr No	Description	Permitted in CMD	Standards to	Disposal
1.	Trade effluent	500	As per Schedule -I	165 CMD is recycled and 335 CMD on land for irrigation
2.	Domestic effluent	50	As per Schedule - I	onland for gardening / irrigation

(Signature)

5. **Conditions under the Air (P& CP) Act, 1981 for air emissions:**

Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	110 TPH Boiler	1	As per Schedule -II
2	DG set - 1000 KVA	1	As per Schedule -II

6. **Conditions about Non Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Boiler Ash/Fly ash	28	MT/Day	Stored in ash yard	sale to brick manufacturer
2	ETP Sludge	5	MT/M	--	Use as manure

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2008 for treatment and disposal of hazardous waste:**

Sr No	Type of Waste	HW Category.	Quantity & UoM	Treatment	Disposal
1	5.1 Used or spent oil	5.1	8 MT/A	Recycle	Sale to authorizd recycler

The applicant shall ensure disposal to the Actual user having permissions under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016.

a. The applicant shall properly collect, transport & regularly dispose of the hazardous waste to CHWTSDf, in compliance of the Hazardous & Other Wastes (Management & Transboundry Movement) Rules, 2016 and keep proper manifest thereof.

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. Industry shall connect online CMS data as per CPCB guidelines to CPCB & MPCB Servers.
11. This consent is issued as per the Consent Appraisal Committee meeting dated 14.08.2020.
12. As JVS are exceeding the consented limits, PP shall submit adequacy report of pollution control systems with improvement plan for O & M within period of 2 months.
13. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.

For and on behalf of the
Maharashtra Pollution Control Board.


(Ashok A. Shingare IAS),
Member Secretary

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	50000.00	MPCB-DR-0649	26/06/2020	RTGS
2	670160.00	MPCB-DR-0608	26/06/2020	RTGS

As per previous consent Rs. 3,17,300/- are kept balance & PP paid Rs. 6,70,160/- & Rs. 50,000/- with this application Rs. 4,20,800 /- are used to grant this consent and Rs. 6,16,640/- are kept balance and shall be adjusted to next renewal of consent.

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Satara
- They are directed to ensure the compliance of the consent conditions.
They are directed to forfeit the bank guarantee of Rs.5 lakh & obtain top up BG of
- Rs. 20 lakh from the industry. You are also directed to submit report of forfeiture of
BG as per existing consent condition to CAC Cell.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC/CAC desk - for record & website updation purposes.

(Signature)



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

- 1) **A] As per your application, you have Provided Effluent Treatment Plant (ETP) of designed capacity of 700.00 CMD consisting of Primary, Secondary, Tertiary for the treatment of 500.00 CMD industrial effluent**
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.**

Sr. No.	Parameters	Limiting concentration not to exceed in mg/l, except for pH
(1)	pH	5.5-9.0
(2)	Oil & Grease	10
(3)	BOD (3 days 27 ^o C)	100
(4)	Sulphate	1000
(5)	Suspended Solids	100
(6)	COD	250
(7)	Chloride	600
(8)	Total Dissolved Solids	2100

C] The treated effluent 335.00 CMD shall be disposed on land for irrigation on 10.00 hectares of own land /as per the bilateral agreement with farmers. In no any case treated/untreated effluent shall find its way outside the factory premises directly or indirectly.

D] Trade effluent of 165.00 CMD generated from Co-gen shall be 100% recycle in process.

E] CREP conditions for Sugar Factory

- i. Operation of ETP shall be started 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.
- ii. Waste water generation shall be reduced to 100 liters per tone of cane crushed.
- iii. Industry shall achieve zero discharge into in land surface water bodies.
- iv. 15 days' storage capacity tank shall be provided for treated effluent to take care during no demand for irrigation.

F] Industry to make necessary arrangement to cover the effluent collection system and to avoid the ingress of Bagasse and other material.

G] The unit shall operate ETP even after completion of the crushing season so that any effluent generated during washing & maintenance activity is to be discharged after proper treatment.

H] The unit shall optimize water use in industrial process & maintain records.

(Signature)

2) A] As per your application, you have provided septic tank and soak pit for the treatment of 50.00 CMD sewage.

B] The applicant shall operate sewage treatment system to treat sewage so as to achieve the following standards/ prescribed under EP Act 1986 and rules made under time to time, whichever is stringent.

1	Suspended Solids	Not to exceed	100 mg/l
2	BOD 3 days (27°C)	Not to exceed	100 mg/l

C] The treated sewage shall be 100% reused/recycled for gardening purpose within premise. In no any case, sewage shall find its way outside Company's premises.

- 3) The industry shall have bilateral agreement with the farmers on whose land the treated effluent is used for irrigation purposes and a copy of the agreements with validity shall be submitted to the Regional/Sub- Regional Office of the Board.
- 4) The industry shall create Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
- 5) CONDITIONS FOR MOLASSES STORAGE:
- (i) The molasses shall be properly collected and stored in steel tanks which shall be leak proof. At no stage of handling of molasses, there shall be leakage or spillage.
- (ii) The capacity of tanks for storage of molasses shall be such that it will take care of bumper production of sugar, non-lifting of molasses etc.
- (iii) All the area on which molasses are stored and handled should be provided with drain for diverting the spills to the treatment plant/ molasses tank. Suitable arrangements for accidental discharges of molasses from the tanks shall be provided to contain the same within factory premises.
- (iv) Destruction of molasses and its disposal shall not be done without specific permission in writing from the authorized officer of the Board. Intimation of intention to destroy or dispose of the molasses shall be given to the Board at least 15 (fifteen) days in advance by registered post under intimation to the Sub-Regional officer and Regional officer of the Board under whose jurisdiction the factory is situated.
- (v) The storage tanks shall be kept in good conditions all the year round with adequate maintenance. The tanks size and capacity per cm, height, total capacity in tonnes shall be displayed prominently near /on the tank.
- (vi) The above conditions shall be in addition to and not in derogation of the provisions contained in the "Bombay Molasses Rules, 1955?? and "Maharashtra Molasses Storage and Supply Regulation, 1965??.
- 6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines if applicable.
- 7) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & 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.

Aungap



Maharashtra Pollution Control Board

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- 8) 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.
- 9) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters, and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	490.00
2.	Domestic purpose	80.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	1130.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Grandening	0

- 10) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

Ramgare



SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

- 1) As per your application, you have provided the Air pollution control (APC) system and erected following stack(s) and observe the following fuel pattern-

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO ₂
1	Boiler (110 TPH)	ESP	70	Baggase	810 MT/Day	0.20	3240.00
1	DG Set (1000 KVA)	Accoustic enclosure	3.5	HSD	200 Lit/Day	1.00	4.00

- 2) The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.

1 The Applicant shall provide ESP/ Bag filter/ Wet scrubber to the Bagasse fired boiler and Dust Collector to Sugar bagging section as an Air Pollution control equipments OR as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines.

2 The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Total Particulate matter	Not to exceed	150 mg/Nm ³
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- 3 The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
- 4 The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
- 5 Industry should not use auxiliary fuel more than 15 % (as per amendment in EIA Notification 2009, power plant upto 15 MW based on Bio-mass and using auxiliary fuel as coal upto 15% are exempt.) as co-gen capacity is below 15 MW.
- 3) The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
- 4) The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

Gangane

SCHEDULE-III
Details of Bank Guarantees:

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	2000000	15 Days	Towards compliance of Consent conditions & O & M of pollution control system.	31.07.2021	30.11.2021

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
1	C to R	1500000	----	Towards compliance of Consent conditions & O & M of pollution control system.	500000	JVS Exceedance

Rangaraj

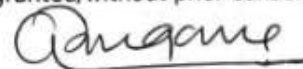
SCHEDULE-IV

General Conditions:

- 1 The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2 The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 3 Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipment, the production process connected to it shall be stopped.
- 4 The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 5 The firm shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 6 The industry should comply with the Hazardous & Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous & Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
- 7 An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 8 The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 9 The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- 10 The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
- 11 The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 12 Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.

Daugane

- 13 The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the H&OW(M&TM) Rules 2016, which can be recycled/processed/ reused/ recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/ reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 14 Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
- 15 Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 16 Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
17. Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
- 18 The industry should not cause any nuisance in surrounding area.
- 19 The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- 20 The applicant shall maintain good housekeeping.
- 21 The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
- 22 The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipment provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.





Maharashtra Pollution Control Board
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- 23 The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 24 The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended.

Aungmye



MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: <http://mpcb.gov.in>
Email: cac-cell@mpcb.gov.in



Kalpataru Point, 2nd and
4th floor, Opp. Cine Planet
Cinema, Near Sion Circle,
Sion (E), Mumbai-400022

RED/M.S.I

Date: 17/02/2020

No:- Format1.0/CAC/UAN No.MPCB-
CONSENT-0000079292/CR - 2002000 839

To,
Swaraj India Agro Ltd
Gat No. 332A/B/C, 259,
258,272,266,274,260,273,340,256,,346,351,,262,,264,,Village Upalave
Phaltan, Satara.

Sub: Renewal of Consent for 60 KLDP Molasses Base Distillery Unit, under RED Category

Ref: 1. Renewal of Consent granted by the Board vide No. BO/CAC-CELL/UAN No. 0000040909/O/CAC-1808000119 dtd.02.08.2018
2. Minutes of CAC meeting dtd. 14.01.2020.

Your application No.MPCB-CONSENT-0000079292 Dated 30.08.2019

For: Consent to Renewal for 60 KLDP Molasses Base Distillery Unit under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent to renewal is granted for a period up to 31/08/2021
2. The capital investment of the project is Rs.92 Crs. (As per C.A Certificate submitted by industry)
3. Consent is valid for the manufacture of:

Sr No	Product	Maximum Quantity	UOM
Products:			
1	Extra Nutral Alcohol /Ethanol/Rectified Spirit	60.000	KL/D
2	Power	2.500	MW

Distillery capacity shall not exceed 60 KLDP

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	180	As per Schedule -I	MEE and Incineration Boiler
2.	Domestic effluent	2.5	As per Schedule -I	On land for irrigation.

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	1	Incineration Boiler (35 TPH)	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Conc. Spent wash	115	KL/D	Incineration	Fired in Incineration boiler
2	Ash	24	MT/Day	NA	Sold to Bricks manufacturer

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1		0	--NA--	NA	NA

- 8 The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
- 9 This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
- 10 This consent is issued pursuant to the decision of the 19th Consent Committee Meeting held on 14.01.2020
- 11 The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. J-11011/91/2014-1A II (I) dtd. 12.07.2016
- 12 Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .
- 13 The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent. (Operate/Renewal)

For and on behalf of the
Maharashtra Pollution Control Board.

(E. Ravendiran IAS),
Member Secretary

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	250000.00	5454976	31/08/2019	NEFT

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Satara
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC/CAC desk - for record & website updation purposes.



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. Conditions for Trade effluent:

- A) You have provided comprehensive treatment i.e Effluent treatment plant including MEE for volume reduction and Incineration Boiler for achieving zero discharge. In no any spent wash shall discharge outside the factory premises/ on land / into stream directly or indirectly.
- B) Zero liquid discharge shall be ensured and no waste/treated water shall be discharged outside the premises. The non-process effluents, RO permeate, MEE condensate etc. shall be suitably treated and reused in the process.

2. Conditions for Sewage/ Domestic effluent:

- i. You have provided septic tank and soak pit (for sewage below 20 CMD).
- ii. The industry shall operate sewage treatment system to treat the sewage/ domestic effluent so as to achieve the standards as prescribed by the board/under EP Act, 1986 and rules made thereunder from time to time whichever is stringent.

Sr.No	Parameter	Concentration not to exceed(in mg/l except for pH
1.	pH	6.5-9.0
2.	BOD	30
3.	TSS	100

- iii. The sewage shall be treated by using septic tank and soak pit and overflow if any shall be used on-land for gardening/irrigation.
- xi. The operation of distillery should be restricted to 333 days in a year and that it will not operate during rainy season.

3. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	100.00
2.	Domestic purpose	3.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	285.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

- 4. Industry shall install online monitoring system as per the guidelines of CPCB and data to be transmitted to Board's server.
- 5. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance.



SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM
1	Incineration Bolier (35 TPH)	ESP	52	Coal and Conc. Spent wash (3600 kg/hr)	26.4 MT/Day

2. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
5. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	50 mg/Nm ³
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6. Storage of raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
7. The industry shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules, 1986 and connected to MPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
8. The industry shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office MPCB.
9. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).



SCHEDULE-III
Details of Bank Guarantees:

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	500000	15 days/extended	Towards compliance of Consent conditions & O & M of pollution control system.	31.08.2021	31.12.2021

****Existing BG obtained for above purpose if any may be extended for period of validity as above.**

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG Imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				





SCHEDULE-IV
General Conditions:

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
8. The industry 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).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.



11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks 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.
12. 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.
13. The PP shall provide personal protection equipment as per norms of Factory Act
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.



24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
26. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

***Effluent Treatment Plant and
Online Monitoring system***

Effluent Treatment Plant



Online Monitoring System



***ENVIRONMENT MONITORING
REPORTS***

Ambient Air Quality

Noise Level

Soil

Water

Effluent

DG set

ENalyse*

Ambient Air Quality Monitoring Report Report No. AB/SIA/11/2020-21/497

Name of Client & Address: M/s. Swaraj India Agro Pvt. Ltd. A/P. Uplave, Tal – Phaltan, Dist - Satara	Sample Code	AB/SIA/11/2020-21/497
	Sample Location	Near Office
	Sample Collected By	Aavanira Biotech Pvt. Ltd.,
	Sample type	Ambient Air
	Method of Sampling	As per IS : 5182 Part 1 (2006)
	Date of Sampling	05/11/2020
	Time of Sampling	10:00 am.
	Sampling Duration	24 Hrs.
	Ambient Temperature	29.8°C
	Dry Bulb / Wet Bulb Temp.	29.2°C/20.2°C
	Relative Humidity(RH)	42 %
	Analysis Date	06/11/2020 to 12/11/2020
	Reporting date	12/11/2020
Sample returned /stored	Stored at 4°C for 1 week from the date of reporting	

TEST PARAMETERS

Sr. No.	Parameter	Result	Unit	NAAQ Standards	Standard Method
1	Particulate Matter (PM ₁₀)	68.9	µg/m ³	≤ 100	IS : 5182 (Part 23)-2006
2	Particulate Matter (PM _{2.5})	31.4	µg/m ³	≤ 60	USEPA (40 CFR Ch.-1)Appendix L to Part 50
3	Sulphur Dioxide (SO ₂)	20.1	µg/m ³	≤ 80	IS : 5182 (Part 2)-2001
4	Oxides of Nitrogen (NO _x)	32.8	µg/m ³	≤ 80	IS : 5182 (Part 6)-2006
5	Carbon Monoxide (CO)	0.82	mg/m ³	≤ 04	Manual Instruction

REMARKS / OBSERVATIONS:

- Above results are within National Ambient Air Quality standards.


Verified By – Quality Manager


Govt. Analyst
-----End of Report-----


Authorized By – Technical Manager /
Dy. Technical Manager



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Ambient Air Quality Monitoring Report		Report No. AB/SIA/11/2020-21/498
Name of Client & Address: M/s. Swaraj India Agro Pvt. Ltd. A/P. Uplave, Tal – Phaltan, Dist - Satara	Sample Code	AB/SIA/11/2020-21/498
	Sample Location	Near ETP
	Sample Collected By	Aavanira Biotech Pvt. Ltd.,
	Sample type	Ambient Air
	Method of Sampling	As per IS : 5182 Part 1 (2006)
	Date of Sampling	05/11/2020
	Time of Sampling	10:35 am.
	Sampling Duration	24 Hrs.
	Ambient Temperature	29.6°C
	Dry Bulb / Wet Bulb Temp.	29.2°C/20.0°C
	Relative Humidity(RH)	40 %
	Analysis Date	06/11/2020 to 12/11/2020
	Reporting date	12/11/2020
Sample returned /stored	Stored at 4°C for 1 week from the date of reporting	

TEST PARAMETERS

Sr. No.	Parameter	Result	Unit	NAAQ Standards	Standard Method
1	Particulate Matter (PM ₁₀)	71.2	µg/m ³	≤ 100	IS : 5182 (Part 23)-2006
2	Particulate Matter (PM _{2.5})	36.0	µg/m ³	≤ 60	USEPA (40 CFR Ch.-1)Appendix L to Part 50
3	Sulphur Dioxide (SO ₂)	18.2	µg/m ³	≤ 80	IS : 5182 (Part 2)-2001
4	Oxides of Nitrogen (NO _x)	30.5	µg/m ³	≤ 80	IS : 5182 (Part 6)-2006
5	Carbon Monoxide (CO)	0.71	mg/m ³	≤ 04	Manual Instruction

REMARKS / OBSERVATIONS:

- Above results are within National Ambient Air Quality standards.


Verified By – Quality Manager


Authorized By – Technical Manager /
Dy. Technical Manager


Govt. Analyst

-----End of Report-----



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Ambient Air Quality Monitoring Report Report No. AB/SIA/11/2020-21/499

Name of Client & Address: M/s. Swaraj India Agro Pvt. Ltd. A/P. Uplave, Tal – Phaltan, Dist - Satara	Sample Code	AB/SIA/11/2020-21/499
	Sample Location	Palwan
	Sample Collected By	Aavanira Biotech Pvt. Ltd.,
	Sample type	Ambient Air
	Method of Sampling	As per IS : 5182 Part 1 (2006)
	Date of Sampling	05/11/2020
	Time of Sampling	12:10 pm.
	Sampling Duration	24 Hrs.
	Ambient Temperature	29.8°C
	Dry Bulb / Wet Bulb Temp.	29.6°C/20.6°C
	Relative Humidity(RH)	46 %
	Analysis Date	06/11/2020 to 12/11/2020
	Reporting date	12/11/2020
Sample returned /stored	Stored at 4°C for 1 week from the date of reporting	

TEST PARAMETERS

Sr. No.	Parameter	Result	Unit	NAAQ Standards	Standard Method
1	Particulate Matter (PM ₁₀)	50.1	µg/m ³	≤ 100	IS : 5182 (Part 23)-2006
2	Particulate Matter (PM _{2.5})	21.4	µg/m ³	≤ 60	USEPA (40 CFR Ch.-1)Appendix L to Part 50
3	Sulphur Dioxide (SO ₂)	12.5	µg/m ³	≤ 80	IS : 5182 (Part 2)-2001
4	Oxides of Nitrogen (NO _x)	20.6	µg/m ³	≤ 80	IS : 5182 (Part 6)-2006
5	Carbon Monoxide (CO)	0.53	mg/m ³	≤ 04	Manual Instruction

REMARKS / OBSERVATIONS:

- Above results are within National Ambient Air Quality standards.


Verified By – Quality Manager

Authorized By – Technical Manager /
Dy. Technical Manager

Govt. Analyst
-----End of Report-----



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Ambient Air Quality Monitoring Report Report No. AB/SIA/11/2020-21/500

Name of Client & Address: M/s. Swaraj India Agro Pvt. Ltd. A/P. Uplave, Tal – Phaltan, Dist - Satara	Sample Code	AB/SIA/11/2020-21/500
	Sample Location	Upalve
	Sample Collected By	Aavanira Biotech Pvt. Ltd.,
	Sample type	Ambient Air
	Method of Sampling	As per IS : 5182 Part 1 (2006)
	Date of Sampling	05/11/2020
	Time of Sampling	01:30 pm.
	Sampling Duration	24 Hrs.
	Ambient Temperature	30.2°C
	Dry Bulb / Wet Bulb Temp.	30.0°C/22.3°C
	Relative Humidity(RH)	45 %
	Analysis Date	06/11/2020 to 12/11/2020
	Reporting date	12/11/2020
Sample returned /stored	Stored at 4°C for 1 week from the date of reporting	

TEST PARAMETERS

Sr. No.	Parameter	Result	Unit	NAAQ Standards	Standard Method
1	Particulate Matter (PM ₁₀)	57.5	µg/m ³	≤ 100	IS : 5182 (Part 23)-2006
2	Particulate Matter (PM _{2.5})	22.6	µg/m ³	≤ 60	USEPA (40 CFR Ch.-1)Appendix L to Part 50
3	Sulphur Dioxide (SO ₂)	14.0	µg/m ³	≤ 80	IS : 5182 (Part 2)-2001
4	Oxides of Nitrogen (NO _x)	21.9	µg/m ³	≤ 80	IS : 5182 (Part 6)-2006
5	Carbon Monoxide (CO)	0.63	mg/m ³	≤ 04	Manual Instruction

REMARKS / OBSERVATIONS:

- Above results are within National Ambient Air Quality standards.

Verified By – Quality Manager

Authorized By – Technical Manager /
Dy. Technical Manager

Govt. Analyst
-----End of Report-----



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Ambient Air Quality Monitoring Report Report No. AB/SIA/11/2020-21/501

Name of Client & Address: M/s. Swaraj India Agro Pvt. Ltd. A/P. Uplave, Tal – Phaltan, Dist - Satara	Sample Code	AB/SIA/11/2020-21/501
	Sample Location	Gadewadi
	Sample Collected By	Aavanira Biotech Pvt. Ltd.,
	Sample type	Ambient Air
	Method of Sampling	As per IS : 5182 Part 1 (2006)
	Date of Sampling	05/11/2020
	Time of Sampling	02:00 pm.
	Sampling Duration	24 Hrs.
	Ambient Temperature	30.1°C
	Dry Bulb / Wet Bulb Temp.	29.5°C/21.8°C
	Relative Humidity(RH)	43 %
	Analysis Date	06/11/2020 to 12/11/2020
	Reporting date	12/11/2020
Sample returned /stored	Stored at 4°C for 1 week from the date of reporting	


TEST PARAMETERS


Sr. No.	Parameter	Result	Unit	NAAQ Standards	Standard Method
1	Particulate Matter (PM ₁₀)	53.9	µg/m ³	≤ 100	IS : 5182 (Part 23)-2006
2	Particulate Matter (PM _{2.5})	25.1	µg/m ³	≤ 60	USEPA (40 CFR Ch.-1)Appendix L to Part 50
3	Sulphur Dioxide (SO ₂)	13.2	µg/m ³	≤ 80	IS : 5182 (Part 2)-2001
4	Oxides of Nitrogen (NO _x)	22.9	µg/m ³	≤ 80	IS : 5182 (Part 6)-2006
5	Carbon Monoxide (CO)	0.51	mg/m ³	≤ 04	Manual Instruction

REMARKS / OBSERVATIONS:

- Above results are within National Ambient Air Quality standards.


Verified By – Quality Manager


Govt. Analyst
-----End of Report-----


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Dy. Technical Manager



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Ambient Noise Monitoring Report		Report No. AB/SIA/11/2020-21/502
Name of Client & Address: M/s. Swaraj India Agro Pvt. Ltd. A/P. Uplave, Tal – Phaltan, Dist - Satara	Sample Code	AB/SIA/11/2020-21/502
	Sample Collected By	Aavanira Biotech Pvt. Ltd.,
	Sample type	Ambient Noise
	Method of Sampling	As per IS : 4758
	Date of Sampling	05/11/2020
	Reporting date	12/11/2020

Sr. No.	Test Location	Reading		Unit
		Day Time	Night Time	
1	Near Office	53.2	42.0	dB(A)
2	Near ETP	51.9	40.5	dB(A)
3	Palwan	50.4	39.1	dB(A)
4	Upalve	52.0	41.8	dB(A)
5	Gadewadi	50.4	38.5	dB(A)

REMARK / OBSERVATIONS:

- **Limits:** Maharashtra Pollution Control Board has prescribed 55 dB (A) as an upper limit of Noise Level during day time & 55 dB (A) for night time.
- Above results are within the prescribed limits by MPCB.

Area	Category of Area	Limits dB(A) Leq	
		Day Time	Night Time
A	Industrial Area	<75	<70
B	Commercial Area	<65	<55
C	Residential Area	<55	<45
D	Silence Zone	<50	<40

- **Note: 1** Day Time shall mean from 06:00 am to 10:00 pm
- **Note: 2** Night Time shall mean from 10:00 pm to 06:00 am

Verified By – Quality Manager

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Source Emission Monitoring Report Report No. AB/SIA/11/2020-21/503

Name of Client & Address: M/s. Swaraj India Agro Pvt. Ltd. A/P. Uplave, Tal – Phaltan, Dist - Satara	Sample Code	AB/SIA/11/2020-21/503
	Sample Location/Attached To	DG SET (1000 KVA)
	Sample Collected By	Aavanira Biotech Pvt. Ltd.,
	Sample type	Stack
	Method of Sampling	As per IS : 11255 (Part – 1) : 1985
	Date of Sampling	05/11/2020
	Time of Sampling	03:15 pm.
	Analysis Date	06/11/2020 to 12/11/2020
	Reporting date	12/11/2020
Sample returned /stored	Stored at 4°C for 1 week from the date of reporting	

STACK DETAILS

Sr. No.	Particulars	Details	Unit
1	Material of Stack	MS	--
2	Stack Height from G.L.	3.5	mtr.
3	Type of Stack	Round	--
4	Flue Gas Temperature	522	°K
5	Differential Pressure	7.2	mmWG
6	Velocity	12.53	m/s
7	Diameter of Stack	0.15	mtr.
8	Stack Area	0.01766	m ²
9	Gas Volume	454.85	Nm ³ /Hr

TEST PARAMETERS

Sr. No.	Parameter	Result	Unit	Limits As Per MPCB Consent	Standard Method
1	Total Particulate Matter (TPM)	73.20	mg/Nm ³	≤ 150	IS:11255 (Part -1)-1985
2	Sulphur Dioxide(SO ₂)	99.78	mg/Nm ³	--	IS:11255 (Part -2)-1985
		1.09	Kg/day	< 96	

REMARK / OBSERVATIONS:

- All above results are within MPCB Limits.

Verified By – Quality Manager



Govt. Analyst
-----End of Report-----



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Dy. Technical Manager



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Source Emission Monitoring Report Report No. AB/SIA/11/2020-21/504

Name of Client & Address: M/s. Swaraj India Agro Pvt. Ltd. A/P. Uplave, Tal – Phaltan, Dist - Satara	Sample Code	AB/SIA/11/2020-21/504
	Sample Location/Attached To	Boiler (140 TPH)
	Sample Collected By	Aavanira Biotech Pvt. Ltd.,
	Sample type	Stack
	Method of Sampling	As per IS : 11255 (Part – 1) : 1985
	Date of Sampling	05/11/2020
	Time of Sampling	03:40 pm.
	Analysis Date	06/11/2020 to 12/11/2020
	Reporting date	12/11/2020
Sample returned /stored	Stored at 4°C for 1 week from the date of reporting	

STACK DETAILS

Sr. No.	Particulars	Details	Unit
1	Material of Stack	MS	--
2	Stack Height from G.L.	70	mtr.
3	Type of Stack	Round	--
4	Flue Gas Temperature	409	°K
5	Differential Pressure	3.9	mmWG
6	Velocity	8.16	m/s
7	Diameter of Stack	1.0	mtr.
8	Stack Area	0.785	m ²
9	Gas Volume	16810.90	Nm ³ /Hr

TEST PARAMETERS

Sr. No.	Parameter	Result	Unit	Limits As Per MPCB Consent	Standard Method
1	Total Particulate Matter (TPM)	81.64	mg/Nm ³	≤ 150	IS:11255 (Part -1)-1985
2	Sulphur Dioxide(SO ₂)	34.16	mg/Nm ³	--	IS:11255 (Part -2)-1985
		13.78	Kg/day	< 4704	

REMARK / OBSERVATIONS:

- All above results are within MPCB Limits.

Verified By – Quality Manager

Govt. Analyst
-----End of Report-----

Authorized By – Technical Manager /
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Test Report				REPORT NO: AB/SIA/11/2020-21/491
Name of Client & Address: M/s. Swaraj India Agro Pvt. Ltd. A/P. Uplave, Tal – Phaltan, Dist - Satara		Sample Code		AB/SIA/11/2020-21/491
		Sample Name		Soil
		Sample Collected By		Client
		Method for Sampling		--
		Sample Type		Soil Sample
		Sample Collected On		05/11/2020
		Sample Received on Date		06/11/2020
		Analysis Date		06/11/2020 to 11/11/2020
		Reporting Date		12/11/2020
Sample returned /stored		Stored at 4°C for 1 week from the date of reporting		
Sr. No.	Parameter	Result	Unit	Standard Method
1.	pH (at 25°C)	7.88	--	C.A. Black, American Society of Agronomy 5 th Edition, 65-15800
2.	Soil Texture	Clay Loam	--	C.A. Black, American Society of Agronomy 5 th Edition, 65-15800
3.	Soil Moisture	16.0	%	IS 2720 (Part 2): 1973, Reaffirmed 2004
4.	E. Conductivity	236.0	µS/cm	C.A. Black, American Society of Agronomy 5 th Edition, 65-15800
5.	Bulk Density	1.67	g/cc	C.A. Black, American Society of Agronomy 5 th Edition, 65-15800
6.	Total Kjeldhal Nitrogen	0.84	%	IS 14684 1999, RA 2008
7.	Total Organic Carbon	1.19	%	C.A. Black, American Society of Agronomy 5 th Edition, 65-15800
8.	Water Holding Capacity	61.0	%	C.A. Black, American Society of Agronomy 5 th Edition, 65-15800
9.	Particle Size	Sand	26	% C.A. Black, American Society of Agronomy 5 th Edition, 65-15800
		Silt	31	
		Clay	44	
10.	Potassium (as K)	50.0	kg/ha	USEPA 3050 B
11.	Calcium (as Ca)	49.26	mg/kg	USEPA 3050 B
12.	Magnesium (as Mg)	34.55	mg/kg	USEPA 3050 B
13.	Phosphorous (as P)	13.0	kg/ha	USEPA 3050 B
14.	Iron (as Fe)	4.29	mg/kg	USEPA 3050 B
15.	Copper (as Cu)	1.0	mg/kg	USEPA 3050 B
16.	Zinc (as Zn)	1.0	mg/kg	USEPA 3050 B
17.	Sodium (as Na)	14.0	mg/kg	USEPA 3050 B
18.	Manganese (as Mn)	0.05	mg/kg	USEPA 3050 B
19.	Total Chromium (as Cr)	0.05	mg/kg	USEPA 3050 B
20.	Nickel (as Ni)	1.0	mg/kg	USEPA 3050 B
21.	Cadmium (as Cd)	0.05	mg/kg	USEPA 3050 B
22.	Lead (as Pb)	0.001	mg/kg	USEPA 3050 B

Verified By – Quality Manager

Authorized By – Technical Manager /
Dy. Technical Manager


Govt. Analyst
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Recognized by Ministry of Environment and Forest (MoEF), Govt. of India
ISO 9001: 2015 and ISO 45001: 2018 Certified Company

ENalyse*

		Test Report		Report No: AB/SIA/11/2020-21/492
Name of Client & Address: M/s. Swaraj India Agro Pvt. Ltd. A/P. Uplave, Tal – Phaltan, Dist - Satara		Sample Code	AB/SIA/11/2020-21/492	
		Sample Name	ETP Outlet	
		Sample Collected By	Client	
		Method for Sampling	--	
		Sample Type	Effluent	
		Sample Collected On	05/11/2020	
		Sample Received on Date	06/11/2020	
		Analysis Date	06/11/2020 to 11/11/2020	
Reporting Date	12/11/2020			
Sample returned /stored		Stored at 4°C for 1 week from the date of reporting		
Sr. No.	Parameter	Results	Units	Standard Method
1.	TSS (Total Suspended Solids)	46.0	mg/lit	IS: 3025 Part-17 (R.A :2006)
2.	TDS (Total Dissolved Solids)	837.0	mg/lit	IS: 3025 Part-16 (R.A : 2006)
3.	pH (at 25°C)	7.42	--	IS: 3025 Part-11 (R.A : 2002)
4.	BOD (Biochemical Oxygen Demand) (3 day test@27°C)	29.0	mg/lit	IS: 3025 Part-44 (R.A : 2003)
5.	COD (Chemical Oxygen Demand)	94.76	mg/lit	IS: 3025 Part-58 (R.A : 2006)
6.	Chlorides (as Cl ⁻)	132.0	mg/lit	IS: 3025 Part-32 (R.A : 2003)
7.	Sulphate (as SO ₄ ²⁻)	67.29	mg/lit	APHA :23 rd edition -(4500- SO ₄ ²⁻ E)
8.	Oil and Grease	3.0	mg/lit	IS: 3025 Part-39 (R.A : 2003)


Verified By – Quality Manager


Authorized By – Technical Manager /
Dy. Technical Manager

Govt. Analyst
-----End of Report-----



Advertise in local News Paper

तांनी काढणे आवश्यक होते. मात्र तसे तासानंतर वाहतूक सुरु झाली.

PUBLIC NOTICE

Government of India Ministry of Environment, Forest and Climate Change (I.A.Division), has Accorded Environmental Clearance No. J-11011/91/2014-IA II (I) dated 12th July 2016 for 60 KLPD Molasses Based Distillery and Expansion of Cogeneration Power Plant from 19.5 to 22.5MW at Gut No. 332 A, 332 B/2, 332 C, 221 Village Upalve Tehsil - Phaltan, District - Satara Copies of the Clearance Letter are Available with Maharashtra Pollution Control Board & May Also Be Sees at Web Site of MoEF & CC, Government of India.
<http://www.moef.nic.in/>

M/s. Swaraj India Agro Ltd.,

A/p Village Upalve Tehsil - Phaltan,
District : Satara



माहिती दिली.

यावेळी गायकर यांनी बँकेच्या विविध योजना ग्रामीण भागातील तळागाळातील सर्वसामान्यांपर्यंत पोहचविण्यात बँक यशस्वी झाली असल्याचे प्रतिपादन केले.

खडे बुजवले

ये ग्रामस्थांकडून मागणी होत आहे. रस्त्याच्या दुरुस्ती कामासाठी र्षवर्धन भोसले यांच्याबरोबर त्यांचे हकारी मित्र मंगेश दा. भोसले, जित डेरे, विशाल ब. भोसले, गेश भोसले, राहुल भोसले, जाराम भोसले, सचिन रा. भोसले, मजय ढेंबरे, अतुल जगताप, राजू के. भोसले, उमेश दा.भोसले, गगर भोसले, संतोष पवार, बाळू र. भोसले, निलेश वि.भोसले, पुषार डेरे, राजाराम भोसले यांच्या श्रमदानातून हे खडे बुजवण्यात आले. तसेच लक्ष्मण पिसाळ यांनी वेना मोबदला ट्रॅक्टर देवून सहकार्य केले. अशा लोकहिताचे कामाचे सर्वस्तरातून कौतूक होत आहे.

सिताराम गायकर

बडेकर व इतर.

सामाजिक बांधिलकीतून बँक राबवित असलेल्या उपक्रमांचे कौतुक केले. अहमदनगर जिल्हा बँकेचे कामकाज करताना आम्हाला सातारा जिल्हा बँकेचे आदर्शवत कामकाज पध्दती प्रेरणादायी ठरेल, असे आबर्जुन सांगितले. यावेळी बँकेचे मुख्य

कार्यकारी अधिकारी डॉ. राजेंद्र सरकाळे, सरव्यवस्थापक एस. एन. जाधव, एम. व्ही जाधव, व्यवस्थापक सुजित शेख, डी. जी. पोफळे, आर. एस. गाढवे, आर. डी. खळदकर, अधीक्षक व अधिकारी व सेवक उपस्थित होते.

जाहीर सुचना

भारत सरकार

पर्यावरण वन आणि जलवायु परिवर्तन मंत्रालय (आय. ए. विभाग) यांनी त्यांचा पत्र क्र. J-11011/91/2014-IA II (I) रोजी दि. १२.०७.२०१६ द्वारे आमच्या गट क्र. ३३२, अ, ३३२ ब/२, ३३२ क, २२१ उपळवे, ता. फलटण, जि. सातारा येथील 60 KLPD आसवनी प्रकल्प उभारणीसाठी 'आणि को-जनरेशन पावर प्लान्ट १९.५ ते २२.५ मेगावॉट विस्तारीकरणासाठी परवानगी देण्यात आलेली आहे.

सदर परवानगीच्या प्रती आपल्या माहितीसाठी महाराष्ट्र प्रदुषण मंडळाकडे उपलब्ध असून वन व पर्यावरण मंत्रालयाच्या खालील वेबसाईटवर आपण पाहू शकता.

[http:// www.moef.nic.in](http://www.moef.nic.in)

मेसर्स स्वराज इंडिया अॅग्री लि.

मु. पो. उपळवे, ता. फलटण, जि. सातारा

***Acknowledgement Copy of Six
Monthly Compliance Report
Submitted to
RO, Nagpur***



Universe Enviro <universeenviropune@gmail.com>

ix Monthly Post EC Compliance Report of Swaraj India Agro Ltd

1 message

Universe Enviro <universeenviropune@gmail.com>

Fri, Jul 3, 2020 at 4:34 PM

To: eccompliance-mh@gov.in

Cc: hr@swarajindia.co.in

Bcc: varpemaresh516@gmail.com

Dear Sir.

Reference; EC letter of cogeneration Unit; SEAC-2013/CR-548/TC-2 dated 1st April 2015 & EC letter of distillery Unit: F. No. J-11011/91/2014-IA II (I) Dated 12th July 2016

With reference to above subject we are here submitting with project information sheet, Point wise Compliance of EC conditions and Environment monitoring report for the period of January 2020 to June 2020 of Co generation and Distillery project of Swaraj India Agro Ltd along with necessary documents as annexure.

--

Adhikrao Yewale

Director

Universe Environment Consultancy, Pune

8600017756

 **Post ECCompliance June 2020.pdf**
20653K

Corporates Social Responsibility:

List of activities organized is given below

- Tree plantation in factory area and at nearer areas
- Organizing Discussion programme or Farmer to acquire modern agriculture practices.
- Provide free water to drought affected villages.
- Participation in 2 Cr tree plantation programme of Government of Maharashtra
- Awareness programme " Road Accident Awareness"
- Repair of Roads in villages
- MSRTC Bus free pass for Girls
- Medical Facility

Photographs of Activities











FORM V

Environment Statement

Sugar and Cogeneration Unit and Distillery
Unit



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2020

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000029806

Submitted Date

30-09-2020

Company Information

Company Name

Swaraj India Agro Ltd.

Application UAN number

0000077861

Address

Gat No 332, At/-p- Upalave, Tal- Phaltan, Dist- Satara

Plot no

332

Taluka

phaltan

Village

Upalave

Capital Investment (In lakhs)

13731

Scale

LSI

City

phaltan

Pincode

415523

Person Name

Vinay Thakur

Designation

Director

Telephone Number

(+91 2166) 262064

Fax Number

NA

Email

vinay@swarajindia.co.in

Region

SRO-Satara

Industry Category

Red

Industry Type

R12 Sugar (excluding Khandsari)

Last Environmental statement submitted online

yes

Consent Number

1.0/BO/CAC-CELL/UAN NO.
00000053141/R/CAC-1901002349

Consent Issue Date

03/03/2020

Consent Valid Upto

31/07/2020

Product Information

Product Name

Sugar

Consent Quantity

138000

Actual Quantity

61936

UOM

MT/A

By-product Information

By Product Name

Bagasse

Consent Quantity

414000

Actual Quantity

179393.79

UOM

MT/A

Molasses

52440

38832

MT/A

Pressmud

55200

19704.68

MT/A

1) Water Consumption in m3/day

Water Consumption for Process

Consent Quantity in m3/day

1130

Actual Quantity in m3/day

52

Cooling

490

310

Domestic

80

30

All others

NA

NA

Total 1700 392

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	425	48	CMD
Domestic Effluent	50	30	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
NA	NA	NA	CMD

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Sugar cane	510952.986	638217.95	MT/A
Lime	856.19	945.90	MT/A
Sulphur	264.13	221.14	MT/A
Phosphoric acid	11.550	43.170	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Bagasess	145800	150075	MT/A

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
pH	0	7.36	0	5.5-9.0	NA
SS	7.90	18.6	0	100	NA
TDS	358.1	842.8	0	2100	NA
BOD	9.52	22.4	0	100	NA
COD	36.0	84.8	0	250	NA
Sulphate	14.5	34.2	0	1000	NA
Chlorides	30	70.8	0	600	NA
Oil & Grease	1.10	2.6	0	10	NA

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
DG Set 1000 KVA-PM	0.68	72	0	150	NA
DG Set 1000 KVA-SO2	1.2	132	0	96	NA
Boiler (140 TPH)- PM	29.52	76.8	0	150	NA
Boiler (140 TPH)- SO2	10.8	28.2	0	4704	NA

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	NA	NA	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
35.3 Chemical sludge from waste water treatment	8	9.8	MT/A

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	NA	NA	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	NA	NA	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	NA	NA	MT/A

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
35.3 Chemical sludge from waste water treatment	9.8	MT/A	CHWTF

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
NA	NA	MT/A	NA

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
CPU	1200	NA	NA	NA	55.00	NA
ACC	250	NA	NA	NA	1162.9931	NA

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Tree Plantation	In Company area plantation work attended. 3500 nos. of tree planted.	3.5

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Tree plantation	4000 nos. of plant is proposed to plant in next year.	4.5

Any other particulars in respect of environmental protection and abatement of pollution.

Particulars

1 Treated water used for crop irrigation/plantation thus saving the natural resources.2) Factory has done excessive plantation in and around the factory premises.Beside this different of plant had been planted & successfully grown.

Name & Designation

Vinay Thakur