

# **M/S SWARAJ GREEN POWER & FUEL LTD**

**(Formerly known as 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 2021**

CIN : U01409PN2010PLC137013

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

Date : 5<sup>th</sup> December 2021

Date : / /

**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, Tal- 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 12<sup>th</sup> July 2016 & F. No. J-11011/91/2014-IA II (I) Dated 12<sup>th</sup> 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 – Upalave, Tal – Phaltan, Dist. Satara Maharashtra - 415523 E-mail : rohit@swarajindia.co.in ; Fax No. : 02166-223777
5. Project Information sheet	Annexure no-I
6. Compliance condition	Annexure no-II
7. Monitoring report	Monitoring report are attached as Annexure

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

Thanking You,

Yours faithfully,

For M/s. Swaraj India Agro Ltd.

  
Authorized Signatory

Encl: Compliance report

CC.



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

Registered Office : Gat No. 332/ B/2, Upalave, Tal. Phaltan, Satara. MH 415523.

Tel .No.: (+91 2166) 223 777. Email : info@swarajindia.co.in

Scanned with CamScanner

***ENVIRONMENT CLEARANCE***  
***Cogeneration Project***

## Government of Maharashtra

SEAC-2013/CR-548/TC-2  
Environment department  
Room No. 217, 2<sup>nd</sup> floor,  
Mantralaya Annex,  
Mumbai- 400 032.  
Dated: 1<sup>st</sup> 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 96<sup>th</sup> 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 83<sup>rd</sup> 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"><li>• Total plot area (Acre.) : 63 (Karkhana Area)</li><li>• Industrial Activity area (Acre.) : 33</li></ul>															
Estimated capital cost of the Project (including cost for land, building, plant and machinery separately)	<table><tr><th>Total Project Cost</th><th>Cogen Power (Rs. in Lakh)</th></tr><tr><td>Land &amp; Site Development</td><td>325.00</td></tr><tr><td>Civil works &amp; 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 &amp; Pre-Op.Expenses</td><td>833.00</td></tr><tr><td>Contingencies</td><td>113.00</td></tr></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"><li>• Latitude : 17°50'4.82"N</li><li>• Longitude : 74°23'10.98"E</li><li>• Location : Gat No. 332/B/2 At Village – Upalve, Tal – Phaltan, Dist. Satara</li><li>• Elevation above Mean Sea Level: 724 meter</li></ul>				
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	Total water requirement: • Fresh water (CMD) : 509      & Source: Banganga Dam Use of the water: <table><tr><td>Particulars</td><td>Requirement (CMD)</td></tr><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></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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Others	3																						
Storm water drainage	Proper storm water drainage line will be provided to maintain the natural flow of storm water																						
Sewage generation and treatment	• 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	• 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 <sub>2</sub> , NO <sub>x</sub> , 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 <sub>2</sub>	Stack	42	11.67		
	3	NO <sub>x</sub>	Stack	Concentration in flue gas will be 100 mg/Nm <sup>3</sup>			
	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 <sup>st</sup>	82	3.8	850	150	
Emission Standard	Pollutants	Emission Standard Limit (mg/Nm <sup>3</sup> )	Proposed Limit	MPCB Consent			
	SPM	150	6 mg/Nm <sup>3</sup>	150 mg/Nm <sup>3</sup>			
	SO <sub>2</sub>		0.964 T/Day	7 T/Day			
Ambient Air Quality Data							
	Pollutant	Permissible Standard µg/m <sup>3</sup>	Proposed Concentration (in µg/m <sup>3</sup> )	Remarks			
	PM <sub>10</sub>	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 <sub>2.5</sub>	60	18				
	SO <sub>2</sub>	80	20.8				
	NO <sub>x</sub>	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"><li>• Source of fuel: Proposed sugar factory of capacity 4400 TCD</li><li>• Mode of transportation of fuel to site: Conveyor Belts</li></ul>							

Energy	<p>Power supply:</p> <ul style="list-style-type: none"><li>Existing power requirement:</li><li>Proposed power requirement:</li></ul> <p>DG sets:</p> <ul style="list-style-type: none"><li>Number and capacity DG sets to be used (existing and proposed)</li></ul> <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"><li>Green belt area (Acre.): 18</li><li>Number and species of trees to be planted : 6000</li></ul>																																	
Details of Pollution Control Systems:	<table><tr><th>Sr. No.</th><th></th><th>Existing pollution control system</th><th>Proposed to be installed</th></tr><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></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"><li>Capital cost (With break up): 683 Lakhs</li><li>O&amp;M cost (With break up): 161 Lakhs</li></ul> <p>During Construction Phase</p> <table><tr><th>Sr. No</th><th>Name of Activity</th><th>Cost in INR , Lakhs</th></tr><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></table> <p>During Operation Phase</p> <table><tr><th>No.</th><th>Particulars</th><th>Cost in INR, Crore</th></tr><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></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																																			
		Noise Pollution Control	0.02																																			
	4	Occupational Health & Safety	1.3																																			
		Total	1.61																																			
	EIA Submitted (If yes then submit the salient features)	<p>Yes.</p> <p>EIA report is prepared as per Model TOR &amp; Generic Structure prescribe in EIA notification 2006</p> <ul style="list-style-type: none"><li>• Period of data collected : 1<sup>st</sup> March 2014 to 31<sup>st</sup> May 2014</li><li>• Details of the primary data collection (i.e. location of the sample collection, number of visit etc.).</li></ul> <table><tr><th>Location Code</th><th>Station Name</th><th>Distance From Project Site (km)</th><th>Direction</th><th>Upwind/ Downwind</th></tr><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></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
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3. The proposal has been considered by SEIAA in its 83<sup>rd</sup> 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 & SO<sub>2</sub> 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 1<sup>st</sup> June & 1<sup>st</sup> 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, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
  - (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 31<sup>st</sup> 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, 1<sup>st</sup> 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***





**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](mailto:lk.bokolia@nic.in)**  
**Dated: 12<sup>th</sup> 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](mailto: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 26<sup>th</sup> February, 2016.**

Sir,

This has reference to your online proposal no IA/MH/IND/22081/2014 dated 26<sup>th</sup> 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/Nm<sup>3</sup>. Total fresh water requirement from ground water source will be 130 m<sup>3</sup>/day for sugar unit; 509 m<sup>3</sup>/day for cogen and 388 m<sup>3</sup>/day for distillery. Spent wash from molasses based distillery will be evaporated in the

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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 4<sup>th</sup> 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 28<sup>th</sup> – 30<sup>th</sup> May, 2014 and 27<sup>th</sup>-28<sup>th</sup> 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 14<sup>th</sup> 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/Nm<sup>3</sup>. 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 PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, 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 m<sup>3</sup>/day for sugar unit; 509 m<sup>3</sup>/day for cogen and 388 m<sup>3</sup>/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 4<sup>th</sup> 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 31<sup>st</sup> 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.

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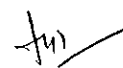


xviii. The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

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.

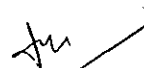
10.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 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, 3<sup>rd</sup> and 4<sup>th</sup> 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.	<b>Project type:</b> River Valley / Mining / Industry / Thermal / Nuclear / Others (specify)	:	Industry
2.	<b>Name of the Project</b>	:	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.	<b>Clearance letter (s) / OM No. and date</b>	:	EC letter of co generation Unit; SEAC-2013/CR-548/TC-2 dated 1 <sup>st</sup> April 2015
4.	<b>Location</b>	:	Satara
	a) District (s)	:	
	b) State (s)	:	Maharashtra
	c) Location latitude / longitude	:	17°50'4.82"North 74°23'10.98"East
5.	<b>Address for Correspondence</b>	:	
	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.	<b>Salient features</b>	:	Sugar and Bagasse based co generation power plant
	a) of the Project		
	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.	<b>Break up of the Project Area</b>	:	
	a) Submergence area: forest & non forest		Not Applicable
	<b>b) Others</b>		Plot area- 63 acres

8.	<b>Break up of the project affected population</b> 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 a)	<b>Financial Details:</b> 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><tr><th>No.</th><th>Particulars</th><th>Cost in INR, Crore</th></tr><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><tr><td>5</td><td>Water Pollution Control System - ETP</td><td>1.25</td></tr><tr><td>6</td><td>Occupational Health &amp; Safety</td><td>1.5</td></tr><tr><td></td><td><b>Total</b></td><td><b>8.83</b></td></tr></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		<b>Total</b>	<b>8.83</b>
No.		Particulars	Cost in INR, Crore																											
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1		Air Pollution Control System (ESP, Stack)	4.0																											
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4		Environmental Lab	0.75																											
5		Water Pollution Control System - ETP	1.25																											
6	Occupational Health & Safety	1.5																												
	<b>Total</b>	<b>8.83</b>																												
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	<b>Forest Land Requirement</b>	:																												

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
<b>11</b>	<b>The status of clear felling</b> in non-forest areas (such as submergence area or reservoir, approach roads.), if any with quantitative information required.	:	Not Applicable
<b>12</b>	<b>Status of construction</b> (Actual&/or planned)		Operation phase
a)	Date of commencement (Actual&/or planned)	:	September 2015
b)	Date of completion (Actual&/or planned)	:	November 2016
<b>13</b>	<b>Reasons for the delay</b> if the project is yet to start	:	N.A.
<b>14</b>	<b>Dates of Site Visits</b>		
a)	The dates on which the project was monitored by the Regional Office on previous occasions, if any	:	02/08/2021
b)	Date of site visits for this monitoring report	:	02/08/2021 (Copy of Report is enclosed)
<b>15</b>	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 )		Action taken report enclosed

# ***PROJECT INFORMATION***

## ***Distillery Project***

**DISTILLERY PROJECT**  
**Annexure I**  
**PROJECT INFORMATION SHEET**

1.	<b>Project type:</b> River Valley / Mining / Industry / Thermal / Nuclear / Others (specify)	:	Industry
2.	<b>Name of the Project</b>	:	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.	<b>Clearance letter (s) / OM No. and date</b>	:	EC letter of distillery Unit: F. No. J-11011/91/2014-IA II (I) Dated 12 <sup>th</sup> July 2016
4.	<b>Location</b>	:	Satara
	a) District (s)	:	
	b) State (s)	:	Maharashtra
	c) Location latitude / longitude	:	17°50'4.82"North 74°23'10.98"East
5.	<b>Address for Correspondence</b>	:	
	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.	<b>Salient features</b>	:	
	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.	<b>Break up of the Project Area</b>	:	
	a) Submergence area: forest & non forest		Not Applicable
	<b>b) Others</b>		Plot area- 63 acres

8.	<b>Break up of the project affected population</b> 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 a)	<b>Financial Details:</b> Project cost as originally planned and subsequent revised estimates and the year of price reference	:	Total Project Cost - 9600 lakh of distillery	
b)	Allocation made for environmental management plans with item wise and year wise breakup	:	Distillery Unit:	
			<b>Sr. No.</b>	<b>Parameter</b>
			<b>Capital Cost (Rs lakh)</b>	<b>O &amp; M cost per annum (Rs. lakh)</b>
			1.	Spent wash fired boiler including ESP
			2.	Solid waste management/ Ash handling system
			3.	Gardening & Landscaping i.e. Green belt development
			4.	Noise pollution control
			5.	Environmental Monitoring
			6.	Rain water Harvesting
			<b>Total Cost</b>	
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
<b>10</b>	<b>Forest Land Requirement</b>		
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
<b>11</b>	<b>The status of clear felling</b> in non-forest areas (such as submergence area or reservoir, approach roads.), if any with quantitative information required.	:	Not Applicable
<b>12</b>	<b>Status of construction</b> (Actual&/or planned)		Operation
a)	Date of commencement (Actual&/or planned)	:	April 2017
b)	Date of completion (Actual&/or planned)	:	October 2018
<b>13</b>	<b>Reasons for the delay</b> if the project is yet to start	:	N.A.
<b>14</b>	<b>Dates of Site Visits</b>		
a)	The dates on which the project was monitored by the Regional Office on previous occasions, if any	:	02/08/2021
b)	Date of site visits for this monitoring report	:	02/08/2021 (Copy of Report is enclosed)
<b>15</b>	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 )		Action taken report enclosed

***COMPLIANCE OF  
ENVIRONMENT CLEARANCE  
CONDITIONS***

***Cogeneration Project***

## Annexure II

### 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 1<sup>st</sup> April 2015

Sr. No.	EC Conditions		Compliance
<b>Specific EC Conditions:</b>			
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 <sub>2</sub> 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. safety and ventilation arrangement in Boiler area
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 3.5 height is provided to 1000 KVA DG set for control and dispersion of pollutant.  Online Monitoring system is installed to 110 TPH Boiler of Cogeneration plant and system is connected to CPCB/MPCB server. 70 m stack and ESP is provided to 110 TPH Boiler.
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 <sup>3</sup> . Length: 400 feet,

Sr. No.	EC Conditions		Compliance
			Width: 480 feet & Depth 18 feet
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.	:	Complied, safety measures is provided Leak detection devices is installed
XV.	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	:	Complied, regular health checkup of workers
XVI.	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	:	Complied, Arrangement is made 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	:	Complied

Sr. No.	EC Conditions		Compliance
	hazardous wastes.		
XVIII.	<p>The company shall undertake following Waste Minimization Measures</p> <ul style="list-style-type: none"> <li>❖ Metering of quantities of active ingredients to minimize waste.</li> <li>❖ Reuse of by- products from the process as raw materials or as raw material substitutes in other process.</li> <li>❖ Maximizing Recoveries.</li> <li>❖ Use of automated material transfer system to minimize spillage.</li> </ul>	:	-
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 <a href="http://ecmaharashtra.gov.in">http://ecmaharashtra.gov.in</a>		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 <sup>st</sup> June & 1 <sup>st</sup> 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		Complied.

Sr. No.	EC Conditions	Compliance
	shall also be put on the website of the Company by the proponent.	
XXVI.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> ): (ambient levels as well as stack emissions) or critical sectorial 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.	Complied.
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	noted

Sr. No.	EC Conditions		Compliance
	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.		
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 12<sup>th</sup> July 2016.**

Sr. No.	EC Conditions		Compliance
<b>A. Specific EC Conditions:</b>			
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 <sup>3</sup> . 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 70m height of stack is provided to 35 TPH 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).	:	<b>Complied,</b>  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 <sub>2</sub> , NO <sub>x</sub> , 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 <sup>3</sup> /day for sugar unit; 509 m <sup>3</sup> /day for cogen and 388 m <sup>3</sup> /day for distillery and prior permission shall be obtained from SGWA/CGWA.	:	Complied, Ground water is not withdrawn for the project.  Total fresh water is used from rain water 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>B. GENERAL CONDITIONS:</b>			
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.	:	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

Sr. No.	EC Conditions	Compliance									
		<table border="1"> <tr> <td data-bbox="922 309 1177 398">Environmental Monitoring</td><td data-bbox="1177 309 1369 398">--</td><td data-bbox="1369 309 1489 398">10</td></tr> <tr> <td data-bbox="922 398 1177 488">Rain water Harvesting</td><td data-bbox="1177 398 1369 488">50</td><td data-bbox="1369 398 1489 488">7.5</td></tr> <tr> <td data-bbox="922 488 1177 533"><b>1430</b></td><td data-bbox="1177 488 1369 533"><b>61</b></td><td data-bbox="1369 488 1489 533"></td></tr> </table>	Environmental Monitoring	--	10	Rain water Harvesting	50	7.5	<b>1430</b>	<b>61</b>	
Environmental Monitoring	--	10									
Rain water Harvesting	50	7.5									
<b>1430</b>	<b>61</b>										
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"> <li>• Organized Discussion programme for farmer to acquire modern agriculture practices.</li> <li>• Provide free water to drought affected villages.</li> <li>• Participation in 2 Cr tree plantation programme of Government of Maharashtra</li> <li>• Awareness programme "Road Accident Awareness"</li> <li>• Repair of Roads in villages</li> <li>• MSRTC Bus free pass for Girls.</li> <li>• Medical Facility</li> <li>• Water supply to drought affected villages</li> <li>• Training to farmers</li> </ul>									
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 Parishad/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 <sup>st</sup> 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 <a href="http://envfor.nic.in">http://envfor.nic.in</a> . 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

## 6163ff0dec6adf20c66511e4

### MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
Fax: 24023516  
Website: <http://mpcb.gov.in>  
Email: [cac-cell@mpcb.gov.in](mailto: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-0000114923/CR - 2110000535

Date: 11/10/2021

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



Your Service is Our Duty

**Sub: Renewal of Consent for 5000 TCD Sugar and 19 MW Co-generation unit.**

**Ref: 1. Renewal of consent granted by the Board vide no. CAC/UAN No. MPCBCONSENT-0000093461/CR-2011000430 dtd. 09.11.2020.**  
**2. Minutes of CAC Meeting dtd.15.09.2021 & 24.09.2021.**

Your application No.MPCB-CONSENT-0000114923 Dated 24.06.2021

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:

- The Consent to Renewal is granted upto: 31.07.2022**
- The capital investment of the industry is Rs.172.91 Crs. (As per C.A Certificate submitted by industry).**
- 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**

- 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	



# Maharashtra Pollution Control Board

## 6163ff0dec6adf20c66511e4

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 authorized 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 & Transboundary 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 15.09.2021 & 24.09.2021.
12. 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 Shingare IAS),  
Member Secretary



# Maharashtra Pollution Control Board

## 6163ff0dec6adf20c66511e4

### Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
As per previous consent Rs. 616640/- are kept balance from that Rs. 3,45,820/- are used to grant this consent and Rs. 2,70,820/- 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.
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) A] As per your application, you have provided Effluent treatment plant of designed capacity 700 CMD consisting of Primary, secondary & tertiary system for trade effluent 500 CMD and treated effluent is used on land for irrigation. In no case effluent shall discharge into stream directly or indirectly.
- B] Industry shall provide CPU for recycle/reuse of treated effluent.
- C] 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 <sup>°C</sup> )	100
(4)	Sulphate	1000
(5)	Suspended Solids	100
(6)	COD	250
(7)	Chloride	600
(8)	Total Dissolved Solids	2100

- D] 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.
- E] Industry shall operate Online Continuous Emission Monitoring System (OCEMS) and shall transmit Online Continuous Emission Monitoring System (OCEMS) data to Board's server directly through the data logger without any intermediate server.
- F] Trade effluent of 165.00 CMD generated from Co-gen shall be 100% recycle in process.
- G] CREP conditions for Sugar Factory
- 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.
  - Waste water generation shall be reduced to 100 liters per tone of cane crushed.
  - Industry shall achieve zero discharge into in land surface water bodies.
  - 15 days' storage capacity tank shall be provided for treated effluent to take care during no demand for irrigation.



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

**I] 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.**

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

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".





# Maharashtra Pollution Control Board

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- 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.
- 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.

### 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 <sub>2</sub>
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 <sup>3</sup>
--------------------------	---------------	------------------------

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).

#### 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	2500000	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
NA						

#### 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.



# Maharashtra Pollution Control Board

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- 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.
- 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](http://www.mpcb.gov.in)).



# Maharashtra Pollution Control Board

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- 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.
- 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.




# Maharashtra Pollution Control Board

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24 The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended.

For and on behalf of the  
Maharashtra Pollution Control Board.

  
(Ashok Shingare IAS),  
Member Secretary





# Maharashtra Pollution Control Board

## 6163fe5cec6adf20c66511d0

### MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
Fax: 24023516  
Website: <http://mpcb.gov.in>  
Email: [cac-cell@mpcb.gov.in](mailto: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 (R60)

Date: 11/10/2021

No:- Format1.0/CAC/UAN No.MPCB-  
CONSENT-0000116419/CR - 2110000534

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 60 KLPD Molasses base Distillery**

**Ref:** 1. Renewal of Consent granted by the Board vide No.CAC/UAN No.  
MPCBCONSENT-0000079292/CR-2002000839 dtd. 07.02.2020.  
2. Minutes of CAC Meeting dtd. 15.09.2021 & 24.09.2021.

Your application No.MPCB-CONSENT-0000116419 Dated 23.06.2021

For: 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:

- The consent to renewal is granted for a period up to 31/08/2023
- The capital investment of the project is Rs.92 Crs. (As per C.A Certificate submitted by industry )
- Consent is valid for the manufacture of:

Sr No	Product	Maximum Quantity	UOM
Products			
1	Extra Nutral Alcohol /Ethanol/Rectified Spirit	60	KL/D
2	Power	2.5	MW

**Distillery capacity shall not exceed 60 KLPD**

- 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.





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

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

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
	NA				

- For and on behalf of the  
Maharashtra Pollution Control Board.

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	250000.00	MPCB-DR-7036	21/07/2021	RTGS

M/s Swaraj India Agri Ltd/CR/UAN No. MPCB-CONSENT-0000116419 (04-10-2021 05:37:06 pm) /QMS.P06 F02/00



**SCHEDULE-I**

**Terms & conditions for compliance of Water Pollution Control:**

**1. Conditions for Trade effluent:**

- A) As per your application, 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) Industry shall provide CPU for recycle/reuse of treated effluent.
- C) Industry shall install Online Continuous Emission Monitoring System (OCEMS) before 1st Operate and shall transmit Online Continuous Emission Monitoring System (OCEMS) data to Board's Server directly from data logger without any intermediate server.

**2. Conditions for Sewage/ Domestic effluent:**

- i. You shall provide sewage treatment plant for the treatment of 2.5 CMD sewage generation due to expansion and provide including disinfection facility.
- 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.
4. The operation of distillery should be restricted to 333 days in a year and that it will not operate during rainy season.
5. 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



# Maharashtra Pollution Control Board

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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.

### 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	S%	SO <sub>2</sub>
1	Incineration Bolier (35 TPH)	ESP	52	Coal and Conc. Spent wash (3600 kg/hr)	26.4 MT/Day	0.50	264.00

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 <sup>3</sup>
--------------------	---------------	-----------------------

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).
10. Industry shall provide Online Continuous Emission Monitoring System (OCEMS) i.e. flow meter and night vision camera to ensure the Zero Liquid Discharge (ZLD) of spent wash and OCEMS for Boiler stack for PM parameter.





**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	2500000	15 days/extended	Towards compliance of Consent conditions & O & M of pollution control system.	31.08.2022	31.12.2022

**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.



# Maharashtra Pollution Control Board

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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.



# Maharashtra Pollution Control Board

## 6163fe5cec6adf20c66511d0

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](http://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.

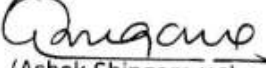


# Maharashtra Pollution Control Board

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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.

For and on behalf of the  
Maharashtra Pollution Control Board.

  
(Ashok Shingare IAS),  
Member Secretary

# ***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***





# EHS MATRIX

## PRIVATE LIMITED

Sr. No.30/7, Office No. 202, 203, Chintamani Industrial Estate,  
Near Dran Company, Dhayari, Pune - 411041, Maharashtra, India.

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### TEST REPORT

Report No:	EHSM/2021/Oct/R-227	Issue Date	28/10/2021
Name and Address of Customer	M/S. Swaraj India Agro Pvt. Ltd. A/P:- Uplave, Tal:- Phaltan Dist:- Satara		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	22/10/2021	Sampling duration	1440 Min
Sampling Location	Garavadi	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry & bulb temperature	32°C	Wet bulb temperature	24°C
Relative Humidity	40 %	Sampling done by	EHS Matrix Pvt.. Ltd, Pune
Start Date of Analysis	23/10/2021	End Date of Analysis	27/10/2021

### Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO <sub>2</sub> )	16.5	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO <sub>2</sub> )	23.4	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM <sub>10</sub>	62.8	µg/m <sup>3</sup>	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM <sub>2.5</sub>	28.7	µg/m <sup>3</sup>	≤ 60	
5	Carbon Monoxide (CO)	0.1	mg/m <sup>3</sup>	≤ 04	
6	Methane	BDL	µg/m <sup>3</sup>	NS	

**Remark-** All above results are within National Ambient Air Quality standards.  
BDL – Below Detectable Limit.

Checked by  
Miss. Aishwarya Shetty  
(Technical Manager)



Authorized Signatory  
Mr. Rahul Patil  
(Director)

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### TEST REPORT

Report No:	EHSM/2021/Oct/R-228	Issue Date	28/10/2021
Name and Address of Customer	M/S. Swaraj India Agro Pvt. Ltd. A/P:- Uplave, Tal:- Phaltan Dist:- Satara		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	22/10/2021	Sampling duration	1440 Min
Sampling Location	Palwan	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry & bulb temperature	32°C	Wet bulb temperature	24°C
Relative Humidity	40 %	Sampling done by	EHS Matrix Pvt.. Ltd, Pune
Start Date of Analysis	23/10/2021	End Date of Analysis	27/10/2021

### Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO <sub>2</sub> )	14.2	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO <sub>2</sub> )	21.5	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM <sub>10</sub>	50.6	µg/m <sup>3</sup>	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM <sub>2.5</sub>	18.9	µg/m <sup>3</sup>	≤ 60	
5	Carbon Monoxide (CO)	0.1	mg/m <sup>3</sup>	≤ 04	
6	Methane	BDL	µg/m <sup>3</sup>	NS	

**Remark-** All above results are within National Ambient Air Quality standards.  
BDL – Below Detectable Limit.

*Aishetty*  
Checked by  
Miss. Aishwarya Shetty  
(Technical Manager)



*Rahul Patil*  
Authorized Signatory  
Mr. Rahul Patil  
(Director)

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### TEST REPORT

Report No:	EHSM/2021/Oct/R-229	Issue Date	28/10/2021
Name and Address of Customer	M/S. Swaraj India Agro Pvt. Ltd. A/P:- Uplave, Tal:- Phaltan Dist:- Satara		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	22/10/2021	Sampling duration	1440 Min
Sampling Location	Uplave	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry & bulb temperature	32°C	Wet bulb temperature	24°C
Relative Humidity	40 %	Sampling done by	EHS Matrix Pvt.. Ltd, Pune
Start Date of Analysis	23/10/2021	End Date of Analysis	27/10/2021

### Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO <sub>2</sub> )	11.7	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO <sub>2</sub> )	17.6	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM <sub>10</sub>	54.0	µg/m <sup>3</sup>	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM <sub>2.5</sub>	16.8	µg/m <sup>3</sup>	≤ 60	
5	Carbon Monoxide (CO)	0.2	mg/m <sup>3</sup>	≤ 04	
6	Methane	BDL	µg/m <sup>3</sup>	NS	

**Remark-** All above results are within National Ambient Air Quality standards.  
BDL – Below Detectable Limit.

*Aishwarya Shetty*  
Checked by  
Miss. Aishwarya Shetty  
(Technical Manager)



*Rahul Patil*  
Authorized Signatory  
Mr. Rahul Patil  
(Director)

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### TEST REPORT

Report No:	EHSM/2021/Oct/R-230	Issue Date	28/10/2021
Name and Address of Customer	M/S. Swaraj India Agro Pvt. Ltd. A/P:- Uplave, Tal:- Phaltan Dist:- Satara		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	22/10/2021	Sampling duration	1440 Min
Sampling Location	Gadewadi	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry & bulb temperature	32°C	Wet bulb temperature	24°C
Relative Humidity	40 %	Sampling done by	EHS Matrix Pvt.. Ltd, Pune
Start Date of Analysis	23/10/2021	End Date of Analysis	27/10/2021

### Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO <sub>2</sub> )	11.5	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO <sub>2</sub> )	19.3	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM <sub>10</sub>	50.0	µg/m <sup>3</sup>	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM <sub>2.5</sub>	21.4	µg/m <sup>3</sup>	≤ 60	
5	Carbon Monoxide (CO)	0.2	mg/m <sup>3</sup>	≤ 04	
6	Methane	BDL	µg/m <sup>3</sup>	NS	

**Remark-** All above results are within National Ambient Air Quality standards.  
BDL – Below Detectable Limit.

*Aishetty*

Checked by  
Miss. Aishwarya Shetty  
(Technical Manager)

*Rahul Patil*

Authorized Signatory  
Mr. Rahul Patil  
(Director)



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### Ground Water Analysis Report

Client Name:	M/s. Swaraj India Agro Pvt. Ltd.	Report Number	EHSM/2021/Oct/R-231
Client Name and Address:	M/S. Swaraj India Agro Pvt. Ltd.	Date of Report	28/10/2021
A/P:- Uplave, Tal:- Phaltan		Sample Details	Ground Water
Dist:- Satara		Nature of sample	Liquid
		Date of Sampling	22/10/2021
		Date of Sample Registration	22/10/2021
		Date of Analysis	23/10/2021
Sample Collected and Analyzed by	EHS Matrix Pvt Ltd		

### Results

Sr. No.	Parameters	Units	Locations				Limits
			GW1	GW2	GW3	GW4	(IS:10500):2012
			Garavadi	Palwan	Upalve	Gadewadi	
Physical Parameters							
1.	Temperature	°C	27.6	26.1	27	28.6	NS
2.	Color	Hazen	<5	<5	<5	<5	5.0
3.	Odour	--	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4.	Turbidity	NTU	0.8	0.6	0.5	0.9	1.0
5.	Total Suspended Soilds TSS	mg / lit	5.0	5.2	5.0	5.2	NS
6.	Total Dissolved Solids TDS	mg / lit	642.0	728.0	656.0	586.0	500.0
Chemical Parameter							
1.	pH	--	7.7	7.0	7.5	7.1	6.5-8.5
2.	Total Hardness (as CaCO <sub>3</sub> )	mg / lit	268	256	215	244	200.0
Elemental Parameter							
1.	Total Alkalinity(as CaCO <sub>3</sub> )	mg / lit	124.0	128.5	157.6	176.0	200.0
2.	Calcium (as Ca)	mg / lit	20.0	32.4	25.8	13.0	75.0
3.	Magnesium (as Mg)	mg / lit	14.6	12.0	16.5	13.9	30.0
4.	Silica	mg / lit	16.7	16.3	14.3	15.8	NS
5.	Chloride (as Cl)	mg / lit	56.0	53.2	64.0	45.0	250.0
6.	Sulphate (as SO <sub>4</sub> )	mg / lit	34.0	24.3	28.0	26.4	200.0
7.	Total Kjeldhal Nitrogen (as N)	mg / lit	12.0	13.0	15.2	11.2	NS
8.	Total Phosphate (as PO4)	mg / lit	BDL	BDL	BDL	BDL	NS
9.	Copper (as Cu)	mg / lit	BDL	BDL	BDL	BDL	0.05
10.	Manganese (as Mn)	mg / lit	BDL	BDL	BDL	BDL	0.1
11.	Iron (as Fe)	mg / lit	0.1	0.12	0.05	0.1	0.3
12.	Fluoride (as F)	mg / lit	BDL	BDL	BDL	BDL	1.0
13.	Chromium (as Cr)	mg / lit	BDL	BDL	BDL	BDL	0.05
14.	Boron (as B)	mg / lit	BDL	BDL	BDL	BDL	0.5

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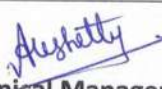


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Sr. No.	Parameters	Units	GW1	GW2	GW3	GW4	Limits
15.	Zinc (as Zn)	mg / lit	BDL	BDL	BDL	BDL	5.0
16.	Aluminium (as Al)	mg / lit	BDL	BDL	BDL	BDL	0.03
17.	Cadmium (as Cd)	mg / lit	BDL	BDL	BDL	BDL	0.003
18.	Nickel (as Ni)	mg / lit	BDL	BDL	BDL	BDL	0.02
19.	Mercury (as Hg)	mg / lit	BDL	BDL	BDL	BDL	0.001
20.	Arsenic (as As)	mg / lit	BDL	BDL	BDL	BDL	0.01
21.	Selenium (as Se)	mg / lit	BDL	BDL	BDL	BDL	0.01
22.	Sodium (as Na)	mg / lit	0.15	0.13	0.26	0.17	NS
23.	Potassium (as K)	mg / lit	0.4	0.61	0.13	0.18	NS
Microbial Parameter							
24.	MPN (Coliform Bacteria)	MPN/100ml	Absent	Absent	Absent	Absent	Absent
Remark-NS- Not Specified							
 Technical Manager						 Authorized Signatory	

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### TEST REPORT

Report No:	EHSM/2021/Nov/R-277	Issue Date	20/11/2021
Name and Address of Customer	M/S. Swaraj India Agro Pvt. Ltd. A/P:- Uplave, Tal:- Phaltan Dist:- Satara		
Sample Name	Source Emission	Sample Description	Stack Material : MS
Date of Sampling	16/11/2021		Stack Height : 3.5 M
Sampling Location	DG Set-1000 KVA		Stack Type : Round
Sampling done by	EHS Matrix Pvt Ltd, Pune	Sampling duration	Fuel Used: HSD 30 Min
Sample Quantity	Thimble 1 Nos and 30 ml Solution	Sampling Procedure	CPCB Guideline on methodologies for source emission monitoring
Start Date of Analysis	17/11/2021	End Date of Analysis	20/11/2021

### Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (MPCB Consent)	Methods
1	Flue Gas Temperature	543	°K		---
2	Differential Pressure	7.0	mm WG		
3	Velocity	13.5	M/s		
4	Dimensions of Stack	0.15	Mtr.		
5	Stack Area	0.01766	M <sup>2</sup>		
6	Gas Volume	613.4	NM <sup>3</sup> /Hr		
7	Particulate Matter	77.9	mg/NM <sup>3</sup>	≤ 150	CPCB Guideline on methodologies for source emission monitoring
8	Sulphur Dioxide (SO <sub>2</sub> )	1.2	Kg/day	≤ 96	
➤ <b>Remark-</b> All above results are well within MPCB Limit. BDL:- Below Detection Limit					



  
**Authorized Signatory**  
**Mr. Rahul Patil**  
**(Director)**

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### TEST REPORT

Report No:	EHSM/2021/Nov/R-279	Issue Date	20/11/2021
Name and Address of Customer	M/S. Swaraj India Agro Pvt. Ltd. A/P:- Uplave, Tal:- Phaltan Dist:- Satara		
Sample Name	Waste Water	Sample Description	ETP Outlet
Date of Sampling	16/11/2021	Sampling Time	11.05 AM
Sampling Location	ETP	Sampling Procedure	APHA 1060
Sampling done by	EHS Matrix Pvt Ltd, Pune	Sample Quantity	02 lit
Start Date of Analysis	17/11/2021	End Date of Analysis	20/11/2021

### Results

Sr. No.	Parameters	Results	Unit(s)	Methods
1	pH at 25°C	7.38	--	APHA 4500 H+ A, 23 <sup>rd</sup> Ed.2017
2	Total Suspended Solids (TSS)	14.0	mg/lit	APHA 2540 D, 23 <sup>rd</sup> Ed.2017
3	Total Dissolved Solids (TDS)	743.0		APHA 2130
4	Biochemical Oxygen Demand BOD at 27°C for 3 days	24.0	mg/lit	IS 3025 (Part 44)-1993, Rev.1,
5	Chemical Oxygen Demand COD	138.0	mg/lit	IS 3025 (Part 58):2006
6	Oil and Grease	3.0	mg/lit	IS: 3025 Part-39 (R.A : 2014)
7	Chlorides	110.0	mg/lit	IS: 3025 Part-32 (R.A : 2014)
8	Sulphates	45.0	mg/lit	IS: 3025 Part-29 (R.A : 2014)

**Remark-**All above results are well within MPCB Limit.



Authorized Signatory  
Mr. Rahul Patil  
(Director)

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## PRIVATE LIMITED

📍 Sr. No.30/7, Office No. 202, 203, Chintamani Industrial Estate,  
Near Dran Company, Dhayari, Pune - 411041, Maharashtra, India.

☎ +91 95796 84751 / +91 90961 85285

🌐 www.ehsmatrix.co.in ✉ ehsmatrixpune@gmail.com

### TEST REPORT

Report No:	EHSM/2021/Nov/R-278	Issue Date	20/11/2021
Name and Address of Customer	M/S. Swaraj India Agro Pvt. Ltd. A/P:- Uplave, Tal:- Phaltan Dist:- Satara		
Sample Name	Source Emission	Sample Description	Stack Material : MS
Date of Sampling	16/11/2021		Stack Height : 70.0 M
Sampling Location	Stack Attached to Boiler 110 & 35 TPH		Stack Type : Round Fuel Used: --
Sampling done by	EHS Matrix Pvt Ltd, Pune	Sampling duration	30 Min
Sample Quantity	Thimble 1 Nos and 30 ml Solution	Sampling Procedure	CPCB Guideline on methodologies for source emission monitoring
Start Date of Analysis	17/11/2021	End Date of Analysis	20/11/2021

### Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (MPCB Consent)	Methods
1	Flue Gas Temperature	372	°K		---
2	Differential Pressure	4.0	mm WG		
3	Velocity	7.8	M/s		
4	Dimensions of Stack	1.0	Mtr.		
5	Stack Area	0.785	M <sup>2</sup>		
6	Gas Volume	16632.0	NM <sup>3</sup> /Hr	≤ 150	CPCB Guideline on methodologies for source emission monitoring
7	Particulate Matter	77.0	mg/NM <sup>3</sup>		
8	Sulphur Dioxide (SO <sub>2</sub> )	8.4	Kg/day	≤ 4704	

➤ **Remark-** All above results are well within MPCB Limit.

ND: - Not Detectable.  
NS:- Not Specify



  
**Authorized Signatory**  
**Mr. Rahul Patil**  
(Director)

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.

📍 Register Office Address : C-7, Omkar Kudale Patil Estate, Manik Baugh, Sinhgad Road, Pune - 411051. ☎ +91 20 2435 6133 ☎ +91 90961 85285 / +91 91585 60571	📍 Branch Office Address : F-01, Shakuntala Complex, Rajarampuri, 4th Lane, Kolhapur - 416008. ☎ +91 98343 07334	<b>CERTIFICATIONS :</b> ISO 9001 : 2015 ISO 14001 : 2015 ISO 45001 : 2018 ISO/IEC 17025 : 2017 (NABL)
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***Advertise in local News Paper***

तांनी काढणे आवश्यक होते. मात्र तसे तासानंतर वाहतूक सुरू 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 12<sup>th</sup> 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. १ 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 मेगावॅट 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 &lt;universeenviropune@gmail.com&gt;

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## Six Monthly Post EC Compliance Report of Swaraj India Agro Ltd

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**Universe Enviro** <universeenviropune@gmail.com>

Sun, Jul 4, 2021 at 10:12 PM

To: ecompliance-mh@gov.in

Cc: "Rohit ." &lt;rohit@swarajindia.co.in&gt;

 **Post ECompliance June 2021.pdf****Dear Sir**

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

# **Corportae Social Reposibility**

## **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

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2021

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000038990

### Submitted Date

30-09-2021

## PART A

### Company Information

#### Company Name

Swaraj India Agro Ltd.

#### Application UAN number

0000093461

#### 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

0

#### Fax Number

0

#### 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

#### Establishment Year

2018

#### Date of last environment statement submitted

Sep 30 2020 12:00:00:000AM

#### Industry Category Primary (STC Code) & Secondary (STC Code)

### Product Information

#### Product Name

Sugar

#### Consent Quantity

138000

#### Actual Quantity

55315.86

#### UOM

MT/A

### By-product Information

#### By Product Name

Bagasse

#### Consent Quantity

414000

#### Actual Quantity

179105.76

#### UOM

MT/A

Molasses

52440

28330.98

MT/A

Pressmud

55200

22498.56

MT/A

Part-B (Water & Raw Material Consumption)

<u>1) Water Consumption in m3/day</u>		
<b>Water Consumption for Process</b>	<b>Consent Quantity in m3/day</b>	<b>Actual Quantity in m3/day</b>
	1130.00	900.00
<b>Cooling</b>	490.00	327.00
<b>Domestic</b>	80.00	72.00
<b>All others</b>	0.00	0.00
<b>Total</b>	1700.00	1299.00

<u>2) Effluent Generation in CMD / MLD</u>			
<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Trade Effluent	500	39	CMD
Domestic Effluent	50	45	CMD

<u>2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)</u>			
<b>Name of Products (Production)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
NA	0	0	CMD

<u>3) Raw Material Consumption (Consumption of raw material per unit of product)</u>			
<b>Name of Raw Materials</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Sugar cane	510952.986	652480	MT/A
Lime	856.19	341.40	MT/A
Sulphur	264.13	169.64	MT/A
Phosphoric acid	11.550	4.24	MT/A

<u>4) Fuel Consumption</u>			
<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Bagasess	150075	150545	MT/A

Part-C

<u>Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)</u>					
<u>[A] Water</u>					
<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour</b>	<b>Percentage of variation from prescribed standards with reasons</b>		
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>	<b>Standard</b>	<b>Reason</b>
pH	7.6	7.52	0	5.5-9.0	NA
SS	18.6	14.80	0	100	NA
TDS	842.8	726	0	2100	NA
BOD	22.4	26.8	0	100	NA
COD	84.8	62.50	0	250	NA
Sulphate	34.2	36.4	0	1000	NA
Chlorides	70.8	22.0	0	600	NA



Oil & Grease	2.6	1.27	0	10	NA
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[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		
	Quantity	Concentration	%variation	Standard	Reason
DG Set 1000 KVA-PM	72	68	0	150	NA
DG Set 1000 KVA-SO2	132	129	0	96	NA
Boiler (140 TPH)- PM	76.8	72.1	0	150	NA
Boiler (140 TPH)- SO2	28.2	26.1	0	4704	NA

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	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	9.8	7.9	MT/A

Part-E

SOLID WASTES

1) From Process

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

2) From Pollution Control Facilities

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

Part-F

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	CHWTDF

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
NA	0	MT/A	NA

## Part-G

### 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	0	0	0	55.00	0
ACC	250	0	0	0	1162.9931	0

## Part-H

### 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.	4.5

#### [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.	5.0

## Part-I

### Any other particulars for improving the quality of the environment.

#### 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

#### UAN No:

MPCB-ENVIRONMENT\_STATEMENT-0000038990

#### Submitted On:

30-09-2021



# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2021

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000038960

### Submitted Date

30-09-2021

## PART A

### Company Information

#### Company Name

Swaraj India Agro Ltd

#### Application UAN number

79292

#### Address

A/P- Upalave, Tal- Phaltan, Dist-Pune

#### Plot no

NA

#### Taluka

Phaltan

#### Village

Upalave

#### Capital Investment (In lakhs)

9600

#### Scale

LSI

#### City

Phaltan

#### Pincode

415523

#### Person Name

Vinay Thakur

#### Designation

Director

#### Telephone Number

0

#### Fax Number

0

#### Email

vinay@swarajindia.co.in

#### Region

SRO-Satara

#### Industry Category

Red

#### Industry Type

R60 Distillery ( molasses / grain /yeast based)

#### Last Environmental statement submitted online

no

#### Consent Number

Format 1.0/BO/CAC-CELL/UAN NO.  
0000079292/CR-2002000839

#### Consent Issue Date

17/02/2020

#### Consent Valid Upto

31.08.2021

#### Establishment Year

2018

#### Date of last environment statement submitted

Jan 1 1900 12:00:00:000AM

#### Industry Category Primary (STC Code) & Secondary (STC Code)

### Product Information

#### Product Name

Extra Neutral Alcohol/ Ethanol/Rectified Spirit

#### Consent Quantity

19800

#### Actual Quantity

13483

#### UOM

KL/A

Power

2.5

2.5

Mwh

### By-product Information

#### By Product Name

NA

#### Consent Quantity

0

#### Actual Quantity

0

#### UOM

KL/A

Part-B (Water & Raw Material Consumption)

<u>1) Water Consumption in m3/day</u>		
Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
	200.00	240.00
Cooling	60.00	75.00
Domestic	2.00	2.00
All others	0.00	0.00
Total	262.00	317.00

<u>2) Effluent Generation in CMD / MLD</u>			
Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	120	120	CMD
Domestic Effluent	2.5	2	CMD

<u>2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)</u>			
Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
NA	0	0	CMD

<u>3) Raw Material Consumption (Consumption of raw material per unit of product)</u>			
Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Molasses	32000	43282	MT/A

<u>4) Fuel Consumption</u>			
Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	26400	10200	
Conc. Spent Wash	3600	1540	Ltr/Hr

Part-C

<u>Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)</u>					
<u>[A] Water</u>					
Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
NA	0	0	NA	NA	NA

<u>[B] Air (Stack)</u>					
Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/NM3) Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
PM-Incineration Boiler	0.88	35.8	0	50	NA
SO2- Incineration Boiler	8.6	187.6	0	264	NA

Part-D

## HAZARDOUS WASTES

### 1) From Process

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

### 2) From Pollution Control Facilities

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

## Part-E

## SOLID WASTES

### 1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Boiler Ash	782	800	Kg/Day
Boiler Ash	782	800	SqMtr/D

### 2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0	0	Kg/Day
NA	0	0	SqMtr/D

### 3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	Kg/Day
0	0	0	SqMtr/D

## Part-F

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
0	0	KL/A	NA

### 2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Boiler Ash	800	Kg/Day	Solid
Boiler Ash	800	SqMtr/D	Solid

## Part-G

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)
-------------	---	--	--------------------------------	--------------------------------------	-----------------------------	-----------------------------------

Part-H

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

[A] Investment made during the period of Environmental Statement

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
Testing of Environmental Parameters	Environmental Monitoring	2.5
O&M of ETP/STP	For Water Pollution Control	5.0

[B] Investment Proposed for next Year

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
Testing of Environmental Parameters	Environmental Monitoring	2.0
O&M of ETP/STP	For Water Pollution Control	5.0

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Tree Plantation within the premises.

Name & Designation

Vinay Shrikant Thakur

UAN No:

MPCB-ENVIRONMENT\_STATEMENT-0000038960

Submitted On:

30-09-2021



भारत सरकार  
GOVERNMENT OF INDIA  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
MINISTRY OF ENVIRONMENT, FORESTS  
& CLIMATE CHANGE

Integrated Regional Office  
Ground Floor, East Wing  
New Secretariat Building  
Civil Lines, Nagpur - 440001  
E-mail: apccfcentral-ngp-mef@gov.in

F.No:EC-224/RON/2016-NGP/ 8586

Date: 02.09.2021

To,

**The Director  
IA Division (Industry-II)  
Ministry of Environment, Forest & Climate Change  
Indira Paryavaran Bhawan,  
Aliganj, Jorbagh Road,  
New Delhi-110003**

Sub:

1. Environmental clearance granted for the establishment of 60 KLPD molasses based distillery & expansion of cogeneration Power Plant (19.5 MW to 22.5 MW) granted for M/s. Swaraj India Agro Limited
2. Environmental clearance granted for the establishment of 19.5 MW Co-Gen Power Plant of M/s. Swaraj India Agro Limited

Ref:

1. Ministry of Environment Forest & Climate Change letter F.No. J-11011/91/2014-IA II (I) dated 12.07.2016
2. SEIAA, Govt. of Maharashtra letter no. SEAC-2013/CR-548/TC-2 dated 01.04.2015

Sir,

I am directed to invite your kind attention on the above subject and letters under reference. Monitoring report of compliance to conditions stipulated in Environment Clearances accorded for Distillery and Co-Gen Power Plant of M/s. Swaraj India Agro Limited at village Upalve, Taluka Phaltan, District Satara, Maharashtra is enclosed herewith. Site inspection was carried out on 02.08.2021. Following observations were made during the site inspection:

Ministry vide letter dated 12.07.2016 granted environmental clearance for the project for the establishment of 60 KLPD distillery and expansion of co-gen power plant from 19.5 MW to 22.5 MW. SEIAA, Maharashtra granted environmental clearance for the establishment of 19.5 MW co-gen power plant. During the site inspection, it was observed that distillery is established and expansion of co-gen power plant was carried out. Spent wash is being evaporated in the Multiple Effect Evaporator. The concentrated spent wash is being burnt in the incineration boiler. Condensate from the MEE is being treated in Condensate Polishing Unit. The treated condensate is being recycled. Electrostatic Precipitators with stacks of height 70 meters and 52 meters were provided for the co-gen boiler and spent wash incineration boilers. Online stack emission monitoring systems have been installed for stacks of the both boilers. Green belt will be

developed over an area of 8.7 ha. Effluent treatment plant has been provided for the treatment of wastewater from Sugar Plant. Online effluent quality monitoring station has been provided for monitoring the treated wastewater. Rain water is being collected in the pond located nearby to the project premises. Water from the pond is being used for the industry operations. Air cooled condensers were installed for water conservation. Housekeeping during the site inspection found to be satisfactory.

**Following non compliances were observed:**

**Specific Condition no. vi:**

Pucca approach road to the distillery was not constructed.

**Specific Condition no. xii:**

Ground water quality is not being monitored. PP shall monitor the quality of ground water from 3-4 locations nearby to the project.

**Following partial compliances were observed:**

**Specific Condition no. v:**

Ambient air quality monitoring is being carried out at 3 locations for PM10, PM2.5, SO<sub>2</sub>, NO<sub>x</sub>, CO. Monitoring of HC (Methane) is not being carried out.

Six monthly compliance report was not uploaded to project website.

PP submitted the six monthly compliance report and monitoring reports to Regional Office regularly since the grant of EC.

The ambient air monitoring results are displayed near the main gate of the company.

**Specific Condition no. xiv:**

Online effluent quality monitoring system has been installed for continuous monitoring of the treated effluent of sugar and co-gen power plants. PP submitted that the system is connected to MPCB and CPCB servers.

Data of continuous effluent monitoring station has not been uploaded to company website.

**Specific Condition no. xxiii:**

PP did not submit the action plan for enterprise social commitment as per the stipulation. During the site inspection, it was informed that CSR activities are being carried out education, health, plantation, water conservation and infrastructure. As informed an amount of Rs. 815 lakhs was spent on CSR activities till date.

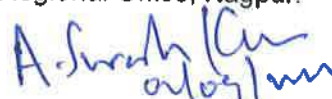
**General Condition no. xv, xvi:**

PP did not upload the copies of EC, six monthly compliance report and environment statement to project website.

**General Condition no. xvii:**

Advertisement has been made, however the clause of seven days was not followed.

This issues with the approval of the Regional Officer, Integrated Regional Office, Nagpur.


  
Suresh Kumar Adapa  
Scientist 'D'

Encl: as above



**Copy to:**

1. The Additional Director (Monitoring Cell), Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Aliganj, Jorbagh Road, New Delhi-110003
2. The Managing Director, M/s. Swaraj India Agro Limited, Village Upalave, Taluka Phaltan, Satara District, Maharashtra-415523 (PP shall submit time bound action taken report for the compliance of non/partial compliances raised in the monitoring report)

  
Suresh Kumar Adapa  
Scientist 'D'

Compliance of conditions stipulated in environmental clearance granted for the establishment of 60 KLPD molasses based distillery & expansion of cogeneration Power Plant (19.5 MW to 22.5 MW) granted for M/s. Swaraj India Agro Limited granted by MoEF &CC vide letter no. J-11011/91/2014-IA II (I) dated 12.07.2016.

S. No.	Conditions	Compliance Status
<b>A. SPECIFIC CONDITIONS</b>		
i.	Environmental clearance accorded is for molasses based distillery unit (60 KLPD) only and no grain based distillery unit shall be operated without prior permission from Ministry.	Molasses based distillery unit of 60 KLPD was installed.
ii.	As proposed, Electrostatic Precipitator (ESP) along with stack of adequate height shall be provided to bagasse/biomass fired boiler to control particulate emissions within 50 mg/Nm <sup>3</sup> . 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. Efficiency of pollution control device shall be monitored regularly. Stack monitoring report shall be submitted to the Ministry's Regional Office at Nagpur.	<b>Complying with.</b> Electrostatic Precipitators with stacks of height 70 meters and 52 meters were provided for the co-gen boiler and spent wash incineration boilers. Online stack emission monitoring systems have been installed for stacks of the both boilers. The stack emissions are also being monitored regularly through MoEF&CC recognised laboratory. As per the monitoring data, the emission levels found to be confirming to prescribed standards.
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 and conveyance of chemicals/materials, multi cyclone separator and 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)	<b>Complying with.</b> During the site inspection, it was observed that the following measures implemented for controlling the fugitive emissions: <ul style="list-style-type: none"> <li>• Green belt has been developed over an area of 8.7 ha. PP submitted that green belt area will be increased further.</li> <li>• Bagasse is handled by closed conveyer system.</li> <li>• Fugitive emissions are being monitored.</li> <li>• Water sprinkling arrangement has been made.</li> </ul>
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.	<b>Complied.</b> Acoustic enclosure has been provided for the DG Set 1000 KVA with stack of height 3.5 meters.
v.	The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its	<b>Partly complied.</b> Ambient air quality monitoring is being carried out at 3 locations for PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>x</sub> , CO. Monitoring of HC

	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, PM2.5, SO <sub>2</sub> , NO <sub>x</sub> , CO & 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.	(Methane) is not being carried out. Six monthly compliance report was not uploaded to project website. PP submitted the six monthly compliance report and monitoring reports to Regional Office regularly since the grant of EC. The ambient air monitoring results are displayed near the main gate of the company.
vi.	Pucca approach road to project site shall be constructed prior to commencing construction activity of main distillery to avoid fugitive emissions.	<b>Not complied.</b> Pucca approach road to the distillery was not constructed.
vii.	Total fresh water requirement from ground water source shall not exceed 130 m <sup>3</sup> /day for sugar unit, 509 m <sup>3</sup> /day for co-gen unit and 388 m <sup>3</sup> /day for distillery and prior permission shall be obtained from SGWA/CGWA.	PP submitted that ground water is not being used. Rain water is being collected in the pond located nearby to the project premises. Water from the pond is being used for the industry operations. Photographs of the pond are enclosed as <b>Annexure-1</b> . As per the water balance the water consumption is as per the stipulation.
viii.	Spent wash generation from molasses 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 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 process effluent shall be discharged outside the premises and 'Zero' discharge shall be maintained.	<b>Complying with.</b> As per the information provided, spent wash generation from distillery is less than 8 KL/KL (7.66 KL) of alcohol produced. Spent wash is being evaporated in the Multiple Effect Evaporator. The concentrated spent wash is being burnt in the incineration boiler. Condensate from the MEE is being treated in Condensate Polishing Unit. The treated condensate is being recycled.
ix.	Wastewater generation from the sugar unit shall not exceed 100 liters per ton of cane crushed. Effluent from sugar unit shall be treated in ETP.	<b>Complied.</b> As per the water balance, the effluent generated from the sugar plant is 100 liters per ton of cane crushed. Effluent is treated in the ETP of the sugar plant and used for irrigation on factory owned seed farms. It is also supplied to nearby farmers with prior agreement.
x.	Spent wash will be stored in impervious pucca lagoons (RCC) with proper lining with HDPE and shall be kept in proper condition to prevent ground water pollution. Storage of spent wash lagoon should be for 5 days.	<b>Complied.</b> Impervious spent wash lagoon of 5 days capacity has been provided.
xi.	As proposed, no effluent from sugar, distillery and co-gen power plant should be discharged outside the premises and Zero discharge shall be achieved.	Sugar plant effluent is treated in the ETP of the sugar plant and used for irrigation on factory owned seed farms. It is also supplied to nearby farmers with prior agreement.

		Co-Gen effluent is treated in the ETP and reused in the process. Spent wash is being evaporated in the Multiple Effect Evaporator. The concentrated spent wash is being burnt in the incineration boiler. Condensate from the MEE is being treated in Condensate Polishing Unit. The treated condensate is being recycled.
xii.	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.	<b>Not complied.</b> Ground water quality is not being monitored. PP shall monitor the quality of ground water from 3-4 locations nearby to the project.
xiii.	Process effluent / any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond	Storm water drains have been provided in the plant area.
xiv.	Continuous online (24 X 7) 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 MoEF & CC and SPCB	<b>Partly complied.</b> Online effluent quality monitoring system has been installed for continuous monitoring of the treated effluent of sugar and co-gen power plants. PP submitted that the system is connected to MPCB and CPCB servers. Data of continuous effluent monitoring station has not been uploaded to company website.
xv.	Bagasse / coal storage should be done in such a way that it does not get air borne or fly around due to wind.	<b>Complying with.</b> Bagasse bales are being created and stored by covering with tarpaulin.
xvi.	Boiler ash shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash and dust shall be avoided. Bagasse ash and coal ash shall be stored separately.	<b>Complying with.</b> As per the information provided, only bagasse is being used as fuel in co-gen power plant. Ash from co-gen boiler is being supplied to brick manufacturers. During the site inspection, it was observed that brick manufacturing units are located nearby to the project.
xvii.	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	<b>Complied.</b> Fire fighting system has been provided for the plant. Foam system has been provided for alcohol storage area of existing distillery.

xviii.	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 Nagpur within six months.	PP informed that the risk assessment report was submitted to Ministry along with EIA/EMP report.
xix.	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 strengthened and the regular medical test records of each employee should be maintained separately.	<b>Complied.</b> Medical checkup of all the employees is being carried out once in 6 months. Medical records are being maintained as per Factories Act.
xx.	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	<b>Complied.</b> Parking facility has been provided near to the plant. Separate roads have been provided for incoming and outgoing vehicles. The vehicle movement is being controlled by Security.
xxi.	All the issues raised during the public hearing / consultation meeting held on 4 <sup>th</sup> December, 2015 should be satisfactorily implemented.	<b>PP agreed upon.</b> PP submitted that issues pertaining to pollution control measures and CSR activities were mainly raised. PP informed that CSR activities will be carried out regularly.
xxii.	As proposed green belt over 18 acres of land 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 constitution with the DFO	<b>PP agreed to comply with.</b> As per the information provided, Green belt will be developed over an area of 8.7 ha.
xxiii.	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 break up/ details should be prepared and submitted to the Ministry's Regional Office at Nagpur. Implementation of such program should be ensured accordingly in a time bound manner.	<b>Partly complied.</b> PP did not submit the action plan for enterprise social commitment as per the stipulation. During the site inspection, it was informed that CSR activities are being carried out education, health, plantation, water conservation and infrastructure. As informed an amount of Rs. 815 lakhs was spent on CSR activities till date.
xxiv.	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, sage drinking water, medical health care, crèche etc. the housing may be in the form of temporary structure to be managed so that there is no impact on the surrounding environment.	The project is in operation.

<b>B.</b>	<b>GENERAL CONDITIONS</b>	
i.	The project authority must strictly adhere to stipulation made by the Maharashtra Pollution Control Board (MPCB ) and State Government and any other statutory authority	<b>PP agreed to comply with.</b>
ii.	No further expansion or modification in the plant shall be carried out without prior approval of Ministry of Environment and Forest. 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	<b>PP agreed to comply with.</b>
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 directions as well as where maximum ground level concentrations are anticipated	<b>Complying with.</b> Ambient air quality monitoring is being carried out at 3 locations within the plant. As per the monitoring data, the ambient air quality levels found to be within prescribed limits.
iv.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measuring including acoustic hoods, silencers, enclosure etc. on all source of noise generation. The ambient noise level should confirm to the standards prescribed under EPA Rules, 1989 viz. 75dBA (day time) and 70dBA (night time).	<b>Complied.</b> Acoustic enclosures have been provided for the DG set. Green belt has been developed around the plant area. As per the monitoring data, the noise levels found to be equivalent noise levels found to be within stipulated limits.
v	The company shall harvest rain water 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	<b>Complying with.</b> Rain water from the nearby hills is being collected in the pond and being reused for process.
vi.	During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste water and storm water drains	Raw material and finished product are solids. Major spillage of materials is not envisaged.
vii.	Usage of personnel protection equipment's by all employees/ workers shall be ensured.	<b>Complied.</b> Personnel protective equipment has been provided to workers.
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	<b>Complying with.</b> As per the details provided, regular training is being imparted to workers through in-house faculty. Also training is provided by faculty from Vasantdada

	undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Sugar Institute (VSI), Pune. Medical checkup of employees is being carried out once in 6 months.
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 mitigations measures and public hearing relating to the project shall be implemented	<b>PP agreed to comply with.</b> <ul style="list-style-type: none"> <li>• ESPs with stacks of height 70m. &amp; 52 m. have been provided</li> <li>• Effluent treatment plant has been provided.</li> <li>• Treated effluent is used in the seed farms of the industry also supplied to the agriculture fields of farmers of nearby villages upon prior request from farmers.</li> <li>• Green belt will be developed over an area of 8.7 ha.</li> <li>• Air cooled condensers are being used</li> <li>• Environmental quality monitoring is being carried out.</li> </ul>
x	The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.	Already provided under the compliance of specific condition no. xxiii.
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 must set up to carry out the environment management and monitoring functions.	<b>Complied.</b> Environmental management cell has been established.
xiii	The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forest 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.	<b>PP agreed to comply with.</b> As per the details provided, an expenditure of Rs. 21.3 Crores has been made on capital works pertaining to environment protection measures for the distillery, sugar and co-gen plants. Also a recurring expenditure of Rs.123 lakhs is being made every year for operation & maintenance and other protection works.
xiv	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban local body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal	<b>Complied.</b> As per the information provided, copy of EC was submitted to Upalave Panchayat.
xv	The project proponent shall also submit six monthly reports on the on the status of compliance of the stipulated Environmental Clearance conditions	<b>Partly complied.</b> PP submitted the six monthly compliance reports regularly since the grant of EC. PP did not upload the copy

	including results of compliance 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 report shall be posted on the website of the company.	of compliance report to project website. Criteria pollutant levels are being displayed at the main gate of the plant.
xvi	The environmental statement for each financial year ending 31 <sup>st</sup> 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	<b>Partly complied.</b> Environment statement for the FY 2019-20 was submitted to MPCB. However the same was not uploaded to project website.
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 <a href="http://envfor.nic.in">http://envfor.nic.in</a> . 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 circulate 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	<b>Partly complied.</b> Advertisement has been made, however the clause of seven days was not followed.
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	<b>Complied.</b> PP informed the details vide letter dated 24.08.2017.
8	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	<b>PP agreed to comply with.</b>
9	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.	<b>PP agreed to comply with.</b>
10	The above conditions will be enforced, inter alia under the provisions of the water (Prevention & control of Pollution) Act, 1974, air (Prevention & control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, hazardous Waste (Management, handling & trans - boundary) Rules, 2008 and the Public	MPCB granted renewal of consent to operate for the Sugar and Co-Gen Power Plants vide letter no. Format 1.0/CAC/UAN No. MPCB-CONSENT-0000093461/CR-2011000430 dated 09.11.2020 with validity upto 31.07.2021. MPCB granted renewal of consent to



Liability Insurance Act, 1991 along with their amendments and rules	operate for the 60 KLPD distillery vide letter no. Format 1.0/CAC/UAN No. MPCB-CONSENT-0000079292 /CR - 2002000839 dated 17.02.2020 with validity upto 31.08.2021.
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**Compliance status of conditions stipulated in the environmental clearance granted for the establishment of 19.5 MW Co-Gen Power Plant of M/s. Swaraj India Agro Limited granted by SEIAA, Govt. of Maharashtra vide letter no. SEAC-2013/CR-548/TC-2 dated 01.04.2015**

S. No.	General Conditions	Compliance Status
i.	No additional land shall be used / acquired for any activity of the project without obtaining proper permission	As per the information provided, co-gen power plant was installed in the existing sugar plant premises.
ii.	For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.	<b>Complying with.</b> Water sprinkling arrangement has been provided for controlling the fugitive emissions in sugar plant, co-gen area in locations such as cane yard, etc. Press mud and ash is being transported to brick manufacturing plants in covered vehicles. Tar roads have been provided within the plant. Green belt has been developed around bagasse yard.
iii.	Regular monitoring of the air quality, including SPM & SO <sub>2</sub> 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.	<b>Complying with.</b> Continuous stack emission monitoring system has been provided for stacks of co-gen boiler and distillery boiler. Ambient air quality is being monitored at 3 locations. As per the monitoring data, the ambient air quality found to be confirming to prescribed standards.
iv.	Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area	Not applicable as there is no furnace in the project.
v.	Proper Housekeeping programmes shall be implemented	<b>Complying with.</b> Housekeeping in the industry premises found to be satisfactory.
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.	<b>PP agreed to comply with.</b> PP submitted that the production operations will be stopped in case of failure of pollution control system.
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)	<b>Complied.</b> Acoustic enclosure has been provided for the DG Set 1000 KVA with stack of height 3.5 meters.
viii.	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Rain water from the nearby hills is being collected in the pond and being reused for process.
ix.	Arrangement shall be made that effluent	<b>Complying with.</b>

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	and storm water does not get mixed.	Separate drains have been provided for storm water. Wastewater is being treated in the ETP and treated water is being used for irrigation.
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.	<b>Not complied.</b> Ground water quality is not being monitored. PP shall monitor the quality of ground water from 3-4 locations nearby to the project.
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.	<b>Complying with.</b> As informed personal protective equipment has been provided to the personnel working in the noisy areas. Acoustic enclosures have been provided for the noise generating sources. Noise levels are being monitored at 5 locations through external laboratory. As per the monitoring data, the noise levels found to be confirming to prescribe standards.
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 level shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.	
xiii.	Green belt shall be development & 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.	<b>Compliance is in progress.</b> Green belt will be developed over an area of 8.7 ha.
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 be installed at strategic places for early detection and warning.	Project is an agro based industry and no hazardous chemicals are being used in the project. Fire fighting system has been provided.
xv.	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act	<b>Complying with.</b> Medical examination of the employees is being carried out once in a year and the records are being maintained in Form 07 as per Factories Act.
xvi.	The Company shall make the arrangement for protection of possible fire hazard during manufacturing process in material handling.	<b>Complying with.</b> Fire fighting system has been provided for the plant. Foam system has been provided for alcohol storage area of existing distillery. As informed regular training is being provided for the employees on fire fighting.
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) Rule, 2003 (amended). Authorization from the MPCB	<b>Complying with.</b> MPCB granted authorisation for handling of hazardous waste such as used oil vide letter no.. Format 1.0/CAC/UAN No. MPCB-CONSENT-0000093461/CR-2011000430 dated

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	shall be obtained for collections/ treatment/ treatment/ storage/ disposal of hazardous wastes	09.11.2020 with validity upto 31.07.2021. Used oil is being burnt with bagasse in boiler.
xviii.	The Company shall undertake following Waste Minimization Measures: <ul style="list-style-type: none"> <li>• Metering of quantities of active ingredients to minimize waste.</li> <li>• Reuse of by- products from the process as raw materials or as raw material substitutes in other process.</li> <li>• Maximizing Recoveries.</li> <li>• Use of automated material transfer system to minimize spillage.</li> </ul>	Sugar cane is the raw material for sugar plant and bagasse is raw material for co-gen power plant. Molasses is the raw material for distillery. Bagasse and molasses are the waste products of sugar plant, and are being used as raw materials for co-gen power plant and distillery respectively.
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.	<b>Complying with.</b> Mock drills are being carried out once in 6 months. Training is being provided for the employees on fire fighting and safety.
xx.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	<b>Complying with.</b> Environmental management cell has been established.
xxi.	Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.	<b>Complying with.</b> Ash is being transported in covered vehicles. As per the information provided, only bagasse is being used as fuel in co-gen power plant. Ash from co-gen boiler is being supplied to brick manufacturers. During the site inspection, it was observed that brick manufacturing units are located nearby to the project.
xxii.	Separate silos will be provided for collecting and storing bottom ash and fly ash.	Percentage of ash in bagasse is very less compared to fossil fuels. As per the information provided, 52 tonnes of ash is being generated from the co-gen and spent wash incineration boilers. Silo has been provided for the collection of 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 purpose and year-wise expenditure should reported to the MPCB & this department	<b>PP agreed to comply with.</b> As per the details provided, an expenditure of Rs. 21.3 Crores has been made on capital works pertaining to environment protection measures for the distillery, sugar and co-gen plants. Also a recurring expenditure of Rs.123 lakhs is being made every year for operation & maintenance and other protection works.
xxiv.	The project management shall advertise at least in two local newspapers widely circulated in the region around the project,	<b>Partly complied.</b> Advertisement has been made, however the clause of seven days was

	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 also be seen at Website at <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a>	not followed.
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 1 <sup>st</sup> June & 1 <sup>st</sup> December of each calendar year.	PP submitted the six monthly compliance report regularly along with the compliance report of the EC granted for the distillery project.
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/ representation, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	<b>Partly complied.</b> As informed, copy of the EC has been submitted to Upalave village Panchayat. However the same was not uploaded to project website.
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, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	<b>Partly complied.</b> PP did not upload the copy of latest six monthly compliance report to company website. Criteria pollutant levels are being displayed at the project.
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.	PP submitted the six monthly compliance report regularly along with the compliance report of the EC granted for the distillery project.
xxix.	The environmental statement for each financial year ending 31 <sup>st</sup> 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	<b>Partly complied.</b> Environment statement for the FY 2019-20 was submitted to MPCB, however the same was not uploaded to project website.

	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 the clearance does not give immunity to the project proponent in case filed against him if any or action initiated under EP Act.	PP agreed to comply with.
5.	The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.	PP agreed to comply with.
6.	<b>Validity of Environment Clearance:</b> The environmental clearance accorded shall be valid for a period of 5 years.	19.5 MW Co-Gen Power Plant was established.
7.	In case any deviation or alteration in the proposed from those submitted to this department for clearance, 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.	PP agreed to comply with.
8.	The above stipulation would be enforced among others under the water(prevention and control of pollution)act 1974,the air(prevention and control of pollution)act,A1981,the environment (protection) act,1986 and rules their under, hazardous waste(management and handling) rules,1989 and its amendment, the public liability insurance act,1991 and its amendment	PP agreed to comply with.
9.	Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1 <sup>st</sup> Floor, D- Wing, Opposite Council Hall, Pune if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	PP agreed to comply with.

  
**Scientist 'D'**  
 SURESH KUMAR  
 SCIENTIST 'D'  
 पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
 Ministry of Environment, Forest & Climate Change  
 क्षेत्रीय कार्यालय (पश्चिमी मध्य क्षेत्र)  
 Regional Office (WUZ)  
 नागपुर / Nagpur - 440001

15/22

## Summary Note

### 1. Implementation of Conditions:

Site inspection of the project has been carried out on 02.08.2021. Ministry vide letter dated 12.07.2016 granted environmental clearance for the project for the establishment of 60 KLPD distillery and expansion of co-gen power plant from 19.5 MW to 22.5 MW. SEIAA, Maharashtra granted environmental clearance for the establishment of 19.5 MW co-gen power plant. During the site inspection, it was observed that distillery is established and expansion of co-gen power plant was carried out. Spent wash is being evaporated in the Multiple Effect Evaporator. The concentrated spent wash is being burnt in the incineration boiler. Condensate from the MEE is being treated in Condensate Polishing Unit. The treated condensate is being recycled. Electrostatic Precipitators with stacks of height 70 meters and 52 meters were provided for the co-gen boiler and spent wash incineration boilers. Online stack emission monitoring systems have been installed for stacks of the both boilers. Green belt will be developed over an area of 8.7 ha. Effluent treatment plant has been provided for the treatment of wastewater from Sugar Plant. Online effluent quality monitoring station has been provided for monitoring the treated wastewater. Rain water is being collected in the pond located nearby to the project premises. Water from the pond is being used for the industry operations. Air cooled condensers were installed for water conservation. Housekeeping during the site inspection found to be satisfactory.

#### Following non compliances were observed:

##### **Specific Condition no. vi:**

Pucca approach road to the distillery was not constructed.

##### **Specific Condition no. xii:**

Ground water quality is not being monitored. PP shall monitor the quality of ground water from 3-4 locations nearby to the project.

#### Following partial compliances were observed:

##### **Specific Condition no. v:**

Ambient air quality monitoring is being carried out at 3 locations for PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO. Monitoring of HC (Methane) is not being carried out.

Six monthly compliance report was not uploaded to project website.

PP submitted the six monthly compliance report and monitoring reports to Regional Office regularly since the grant of EC.

The ambient air monitoring results are displayed near the main gate of the company.

##### **Specific Condition no. xiv:**

Online effluent quality monitoring system has been installed for continuous monitoring of the treated effluent of sugar and co-gen power plants. PP submitted that the system is connected to MPCB and CPCB servers.

16/22



Data of continuous effluent monitoring station has not been uploaded to company website.

**Specific Condition no. xxiii:**

PP did not submit the action plan for enterprise social commitment as per the stipulation. During the site inspection, it was informed that CSR activities are being carried out education, health, plantation, water conservation and infrastructure. As informed an amount of Rs. 815 lakhs was spent on CSR activities till date.

**General Condition no. xv, xvi:**

PP did not upload the copies of EC, six monthly compliance report and environment statement to project website.

**General Condition no. xvii:**

Advertisement has been made, however the clause of seven days was not followed.

**2. Review w.r.t. MOEFs letter dated 30.5.2012:**

Inspection report is prepared after site visit on 02.08.2021 for the expansion of environmental clearance granted for the projects of M/s. Swaraj India Agro Limited at Upalve village, Phaltan Taluka, Satara District of Maharashtra. Compliance status is based on the observations made during the site inspection.

**3. Court Cases and show cause/closure notices:**

PP submitted that there are no court cases, show cause notices pending against the project. MPCB granted renewal of consent to operate for the Sugar and Co-Gen Power Plants vide letter no. Format 1.0/CAC/UAN No. MPCB-CONSENT-0000093461/CR-2011000430 dated 09.11.2020 with validity upto 31.07.2021.

MPCB granted renewal of consent to operate for the 60 KLPD distillery vide letter no. Format 1.0/CAC/UAN No. MPCB-CONSENT-0000079292 /CR -2002000839 dated 17.02.2020 with validity upto 31.08.2021.

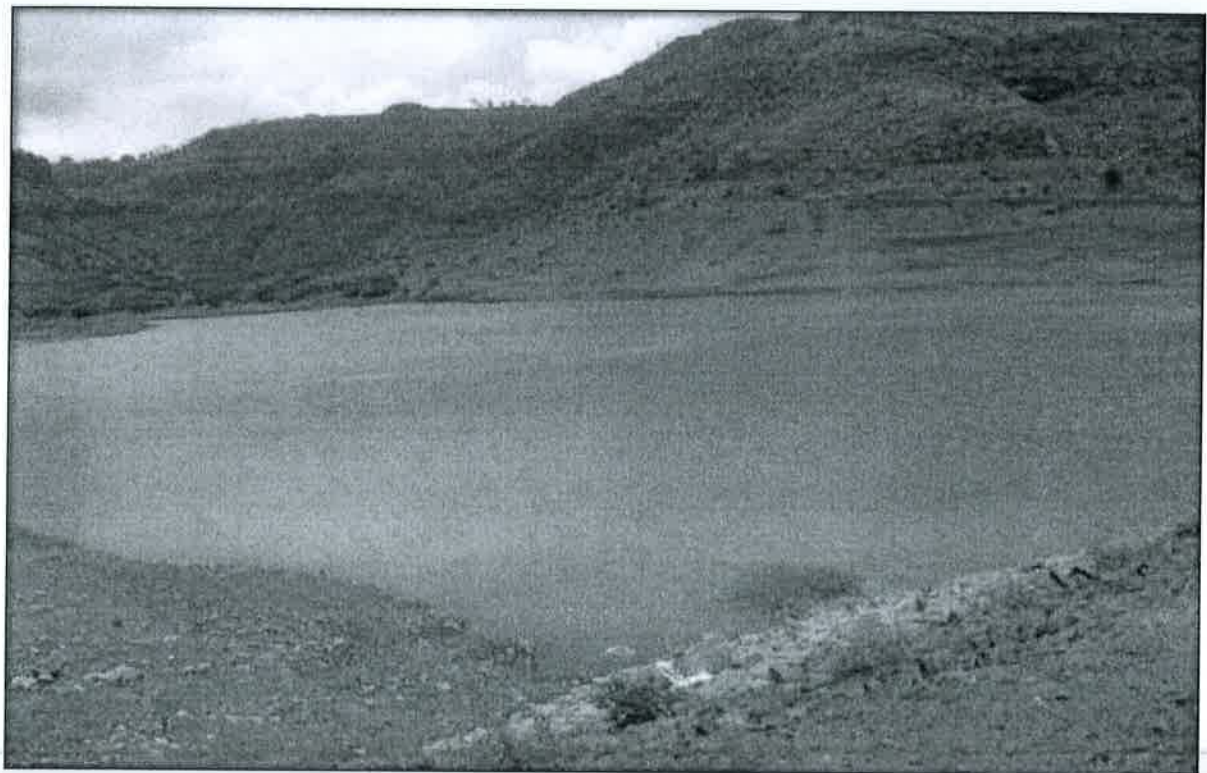
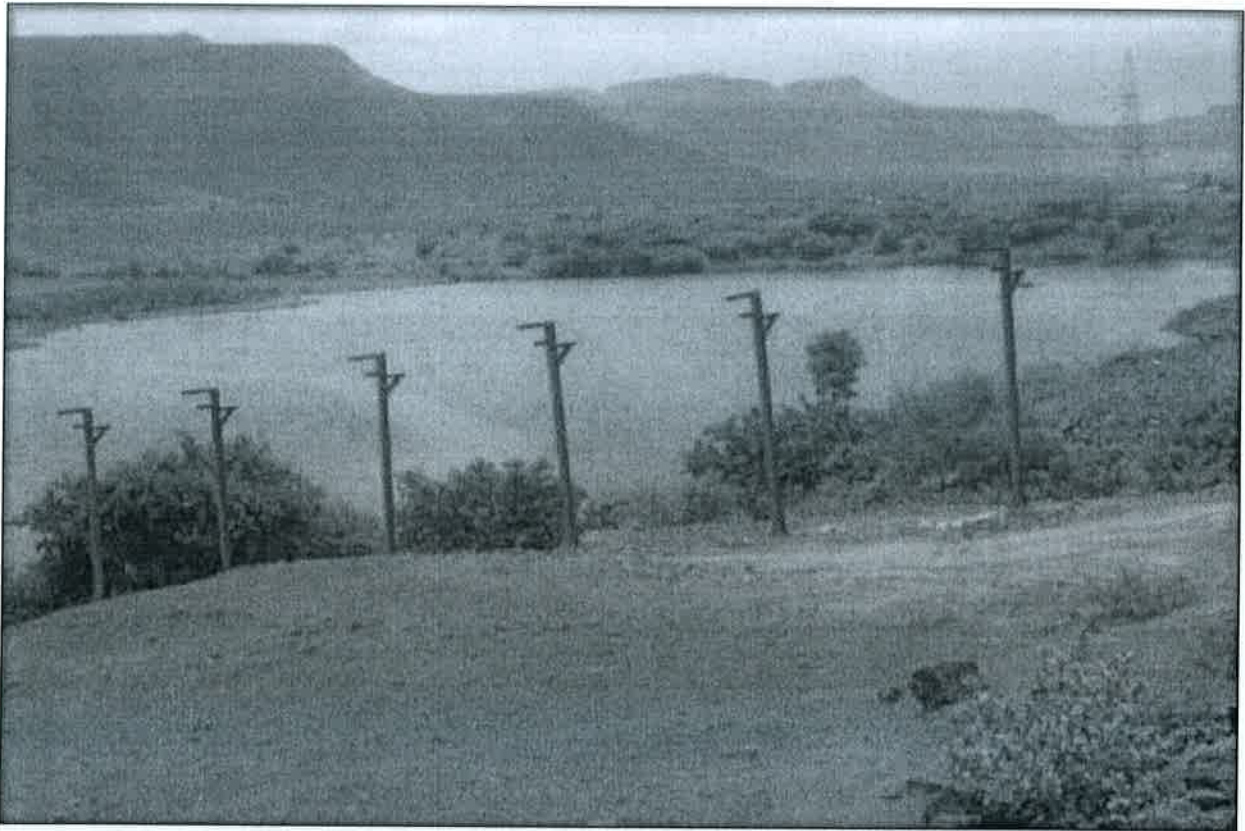
**4. Uploading of compliance on web site:**

With regard to uploading of EC and compliance of conditions along with analytical reports on the web site of the company, PP did not upload the copies of EC, latest compliance report, analytical reports to company website.

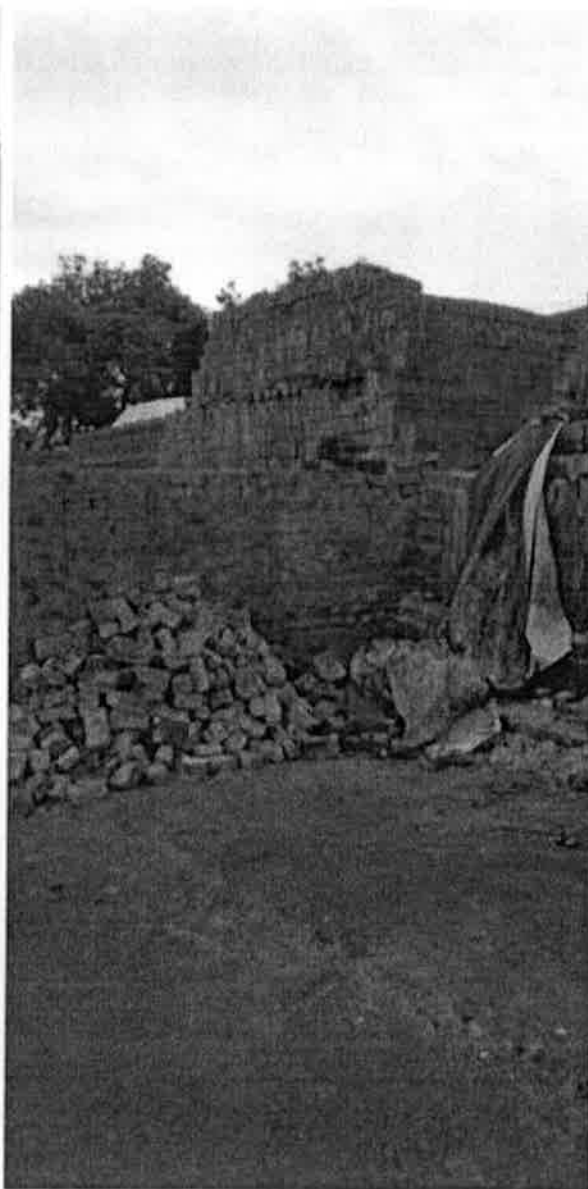
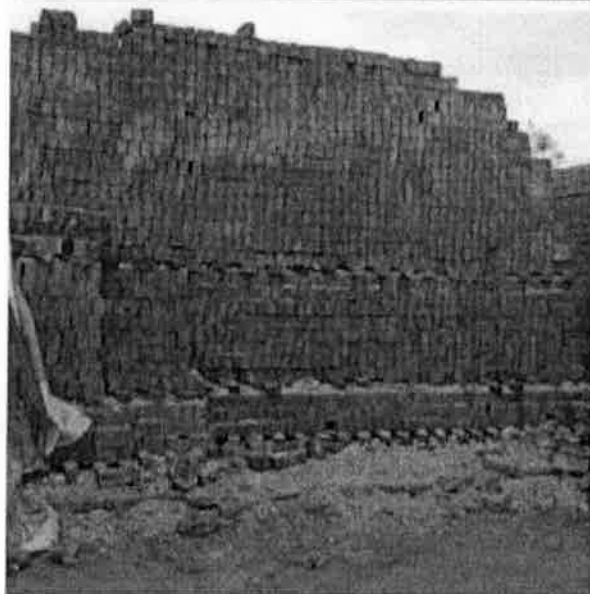
  
SURESH KUMAR  
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SCIENTIST 'D'  
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Ministry of Environment, Forest & Climate Change  
देशीय कार्यालय (परिष्कार मध्य क्षेत्र)  
Regional Office (WCR)  
नागपुर/Margpur-462001

17/22

**Photographs of the water harvesting structure nearby to the hill**



Photographs of ash sold to brick manufacturers





**Details of firefighting facilities:**







CIN: U01409PN2010PLC137013

Ref.

Date :

**Undertaking**

We hereby undertaking that No court cases / Show cause notices against the M/s Swaraj India Agro Ltd, located at Upalave, Tal ; Phaltan , Dist : Satara, Maharashtra

**For Swaraj India Agro Ltd.**

  
Director

**Date: 13<sup>th</sup> July 2021**



22/22



Ref. No.

Date : / /

To,  
 Shruti Rai Bhardwai,  
 Addl. Director/Scientist 'E'  
 Indira Paryavaravn Bhavan,  
 Jor bag Road, Aliganj, New Delhi- 110003  
 Email: [shruti.rao@nic.in](mailto:shruti.rao@nic.in)

Date : 18<sup>th</sup> November 2021

**Subject:** Clarification and action take report against the observations / non-compliances of R. O Nagpur in conditions of Environment Clearance of Molasses based distillery (60KLPD) and expansion of cogeneration power plant (19.5 MW to 22.5 MW) at gut no. 332A, 332B/2, 332 C , 221 , village Uplave , tehsil Phaltan Dist Satara by Swaraj India Agro Ltd

**Reference:** Your office letter F.No IA.-J-11014/50/2021-IA-I dated 26<sup>th</sup> October 2021

**Dear Madam,**

We are herewith submitting the clarification and action taken report against the observations / non- compliances of conditions in Environment Clearance by R. O Nagpur .

Sr. no	Conditions	Clarification and Action taken
1	Pucca approach road to the distillery was not constructed (Specific Condition No. vi)	It is submitted that the approach road (Pucca) will be constructed within 6 months (i.e. by the end of May 2022). An undertaking to this effect is enclosed as <b>Annexure-1</b> . The progress will be regularly informed to Ministry and Regional Office.
2	Monitoring of HC ( methane) is not being carried out (Specific Condition No. vi)	In distillery, spent wash is treated through MEE Followed by Incineration boiler, hence no bio digester or methane generation at project site. As per the instructions received in the monitoring report, HC(Methane) was monitored through MoEF&CC recognised laboratory. Copy of the report is

Ref. No.

Date : / /

		enclosed as <b>Annexure-2</b> . It is assured that the HC(Methane) will be monitored regularly.
3	Ground water quality is not being Monitored (Specific Condition No. xii)	Factory is not using ground water for operation. No bore well or dug well at project site. As per the instructions received in the monitoring report, ground water quality of nearby areas was monitored through MoEF&CC recognised laboratory. Copy of the report is enclosed as <b>Annexure-3</b> . It is assured that the ground water quality will be monitored regularly.
4	The six Monthly compliance report , continuous effluent quality monitoring station data and environment statement for FY 2019-20 was not uploaded on the company website) (Specific Condition No. v, General Condition No.vx, Specific Condition No. xiv and General Condition No.xvi)	It is submitted that currently the project is having under maintenance/ development website. Upon receipt of the monitoring report, project took steps for the development of the website. It is informed that the website will be ready by the end of January 2022. The documents such as six-Monthly compliance report, continuous effluent quality monitoring station data and environment statement will be uploaded by the end of January 2022. Undertaking to this effect is enclosed as <b>Annexure-4</b> . The Ministry and Regional Office will be informed once the documents are uploaded to the website. Test Link- <a href="https://swaraj.group/sugar/wp-content/uploads/2021/07/Post-ECCCompliance-Dec-20.pdf">https://swaraj.group/sugar/wp-content/uploads/2021/07/Post-ECCCompliance-Dec-20.pdf</a>
5	The action plan for enterprise social commitment has not been submitted	The action plan for the enterprise social commitment is



CIN : U01409PN2010PLC137013

Ref. No.

Date : / /

	(Specific Condition No. xxii)	enclosed as <b>Annexure-5</b> . It is assured that the compliance report will be regularly submitted to Ministry and Regional Office.
6	Advertisement for the environment clearance accorded by the ministry was not made within seven days from date of issue of the clearance letter (General Condition No.xvii)	It is submitted that advertisement given in seven days after receipt of environment clearance accorded by the ministry. Copy is enclosed as <b>Annexure-6</b> . It is assured that advertisement will be published within 7 days of issue of the letter in future ECs.
7	Also the project was accorded EC by SEIAA, Govt of Maharashtra vide letter No. SEAC 2013/CR-548/TC-2 dated 01/04/2015 the copy of which has not been uploaded on the company website (General Condition No.xxvi)	As stated in the point no. 4, the website is under development / maintenance and will be ready by the end of January 2022. Copy of the EC will be uploaded as soon as the website will be ready. The Ministry and Regional Office will be informed once the documents are uploaded to the website. Test Link- <a href="https://swaraj.group/sugar/wp-content/uploads/2021/07/Post-ECCompliance-Dec-20.pdf">https://swaraj.group/sugar/wp-content/uploads/2021/07/Post-ECCompliance-Dec-20.pdf</a>

For Swaraj India Agro Limited

  
Authorized Signatory



CIN : U01409PN2010PLC137013

Ref. No.

Date : / /

### Undertaking

We hereby undertaking that approach road (Pucca) will be constructed within 6 months (i.e. by the end of May 2022).

**Swaraj India Agro Ltd**

  
**Director**







# EHS MATRIX

## PRIVATE LIMITED

Sr. No.30/7, Office No. 202, 203, Chintamani Industrial Estate,  
Near Dran Company, Dhayari, Pune - 411041, Maharashtra, India.

+91 95796 84751 / +91 90961 85285

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### TEST REPORT

Report No:	EHSM/2021/Oct/R-227	Issue Date	28/10/2021
Name and Address of Customer	M/S. Swaraj India Agro Pvt. Ltd. A/P:- Uplave, Tal:- Phaltan Dist:- Satara		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	22/10/2021	Sampling duration	1440 Min
Sampling Location	Garavadi	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry & bulb temperature	32°C	Wet bulb temperature	24°C
Relative Humidity	40 %	Sampling done by	EHS Matrix Pvt.. Ltd, Pune
Start Date of Analysis	23/10/2021	End Date of Analysis	27/10/2021

### Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO <sub>2</sub> )	16.5	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO <sub>2</sub> )	23.4	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM <sub>10</sub>	62.8	µg/m <sup>3</sup>	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM <sub>2.5</sub>	28.7	µg/m <sup>3</sup>	≤ 60	
5	Carbon Monoxide (CO)	0.1	mg/m <sup>3</sup>	≤ 04	
6	Methane	BDL	µg/m <sup>3</sup>	NS	

**Remark-** All above results are within National Ambient Air Quality standards.  
BDL – Below Detectable Limit.

Checked by  
Miss. Aishwarya Shetty  
(Technical Manager)



Authorized Signatory  
Mr. Rahul Patil  
(Director)

Page 01 of 01

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.

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CERTIFICATIONS :  
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ISO 14001 : 2015  
ISO 45001 : 2018  
ISO/IEC 17025 : 2017 (NABL)





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### TEST REPORT

Report No:	EHSM/2021/Oct/R-228	Issue Date	28/10/2021
Name and Address of Customer	M/S. Swaraj India Agro Pvt. Ltd. A/P:- Uplave, Tal:- Phaltan Dist:- Satara		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	22/10/2021	Sampling duration	1440 Min
Sampling Location	Palwan	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry & bulb temperature	32°C	Wet bulb temperature	24°C
Relative Humidity	40 %	Sampling done by	EHS Matrix Pvt.. Ltd, Pune
Start Date of Analysis	23/10/2021	End Date of Analysis	27/10/2021

### Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO <sub>2</sub> )	14.2	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO <sub>2</sub> )	21.5	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM <sub>10</sub>	50.6	µg/m <sup>3</sup>	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM <sub>2.5</sub>	18.9	µg/m <sup>3</sup>	≤ 60	
5	Carbon Monoxide (CO)	0.1	mg/m <sup>3</sup>	≤ 04	
6	Methane	BDL	µg/m <sup>3</sup>	NS	

**Remark-** All above results are within National Ambient Air Quality standards.  
BDL – Below Detectable Limit.

*Aishetty*  
Checked by  
Miss. Aishwarya Shetty  
(Technical Manager)



*Rahul Patil*  
Authorized Signatory  
Mr. Rahul Patil  
(Director)

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### TEST REPORT

Report No:	EHSM/2021/Oct/R-229	Issue Date	28/10/2021
Name and Address of Customer	M/S. Swaraj India Agro Pvt. Ltd. A/P:- Uplave, Tal:- Phaltan Dist:- Satara		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	22/10/2021	Sampling duration	1440 Min
Sampling Location	Uplave	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry & bulb temperature	32°C	Wet bulb temperature	24°C
Relative Humidity	40 %	Sampling done by	EHS Matrix Pvt.. Ltd, Pune
Start Date of Analysis	23/10/2021	End Date of Analysis	27/10/2021

### Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO <sub>2</sub> )	11.7	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO <sub>2</sub> )	17.6	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM <sub>10</sub>	54.0	µg/m <sup>3</sup>	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM <sub>2.5</sub>	16.8	µg/m <sup>3</sup>	≤ 60	
5	Carbon Monoxide (CO)	0.2	mg/m <sup>3</sup>	≤ 04	
6	Methane	BDL	µg/m <sup>3</sup>	NS	

Remark- All above results are within National Ambient Air Quality standards.  
BDL – Below Detectable Limit.

Checked by  
Miss. Aishwarya Shetty  
(Technical Manager)



Authorized Signatory  
Mr. Rahul Patil  
(Director)

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# EHS MATRIX

## PRIVATE LIMITED

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### TEST REPORT

Report No:	EHSM/2021/Oct/R-230	Issue Date	28/10/2021
Name and Address of Customer	M/S. Swaraj India Agro Pvt. Ltd. A/P:- Uplave, Tal:- Phaltan Dist:- Satara		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	22/10/2021	Sampling duration	1440 Min
Sampling Location	Gadewadi	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry & bulb temperature	32°C	Wet bulb temperature	24°C
Relative Humidity	40 %	Sampling done by	EHS Matrix Pvt.. Ltd, Pune
Start Date of Analysis	23/10/2021	End Date of Analysis	27/10/2021

### Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO <sub>2</sub> )	11.5	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO <sub>2</sub> )	19.3	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM <sub>10</sub>	50.0	µg/m <sup>3</sup>	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM <sub>2.5</sub>	21.4	µg/m <sup>3</sup>	≤ 60	
5	Carbon Monoxide (CO)	0.2	mg/m <sup>3</sup>	≤ 04	
6	Methane	BDL	µg/m <sup>3</sup>	NS	

**Remark-** All above results are within National Ambient Air Quality standards.  
BDL – Below Detectable Limit.

*Aishetty*

Checked by  
Miss. Aishwarya Shetty  
(Technical Manager)

*Rahul Patil*

Authorized Signatory  
Mr. Rahul Patil  
(Director)



Page 01 of 01

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### Ground Water Analysis Report

Client Name:	M/s. Swaraj India Agro Pvt. Ltd.	Report Number	EHSM/2021/Oct/R-231
Client Name and Address:	M/S. Swaraj India Agro Pvt. Ltd.	Date of Report	28/10/2021
A/P:- Uplave, Tal:- Phaltan		Sample Details	Ground Water
Dist:- Satara		Nature of sample	Liquid
		Date of Sampling	22/10/2021
		Date of Sample Registration	22/10/2021
		Date of Analysis	23/10/2021
Sample Collected and Analyzed by	EHS Matrix Pvt Ltd		

### Results

Sr. No.	Parameters	Units	Locations				Limits
			GW1	GW2	GW3	GW4	(IS:10500):2012
			Garavadi	Palwan	Upalve	Gadewadi	
Physical Parameters							
1.	Temperature	°C	27.6	26.1	27	28.6	NS
2.	Color	Hazen	<5	<5	<5	<5	5.0
3.	Odour	--	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4.	Turbidity	NTU	0.8	0.6	0.5	0.9	1.0
5.	Total Suspended Soilds TSS	mg / lit	5.0	5.2	5.0	5.2	NS
6.	Total Dissolved Solids TDS	mg / lit	642.0	728.0	656.0	586.0	500.0
Chemical Parameter							
1.	pH	--	7.7	7.0	7.5	7.1	6.5-8.5
2.	Total Hardness (as CaCO <sub>3</sub> )	mg / lit	268	256	215	244	200.0
Elemental Parameter							
1.	Total Alkalinity(as CaCO <sub>3</sub> )	mg / lit	124.0	128.5	157.6	176.0	200.0
2.	Calcium (as Ca)	mg / lit	20.0	32.4	25.8	13.0	75.0
3.	Magnesium (as Mg)	mg / lit	14.6	12.0	16.5	13.9	30.0
4.	Silica	mg / lit	16.7	16.3	14.3	15.8	NS
5.	Chloride (as Cl)	mg / lit	56.0	53.2	64.0	45.0	250.0
6.	Sulphate (as SO <sub>4</sub> )	mg / lit	34.0	24.3	28.0	26.4	200.0
7.	Total Kjeldhal Nitrogen (as N)	mg / lit	12.0	13.0	15.2	11.2	NS
8.	Total Phosphate (as PO <sub>4</sub> )	mg / lit	BDL	BDL	BDL	BDL	NS
9.	Copper (as Cu)	mg / lit	BDL	BDL	BDL	BDL	0.05
10.	Manganese (as Mn)	mg / lit	BDL	BDL	BDL	BDL	0.1
11.	Iron (as Fe)	mg / lit	0.1	0.12	0.05	0.1	0.3
12.	Fluoride (as F)	mg / lit	BDL	BDL	BDL	BDL	1.0
13.	Chromium (as Cr)	mg / lit	BDL	BDL	BDL	BDL	0.05
14.	Boron (as B)	mg / lit	BDL	BDL	BDL	BDL	0.5

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.

Register Office Address :  
C-7, Omkar Kudale Patil Estate, Manik  
Baugh, Sinhgad Road, Pune - 411051.  
+91 20 2435 6133  
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Branch Office Address :  
F-01, Shakuntala Complex,  
Rajarampuri, 4th Lane,  
Kolhapur - 416008.  
+91 98343 07334

CERTIFICATIONS :  
ISO 9001 : 2015  
ISO 14001 : 2015  
ISO 45001 : 2018  
ISO/IEC 17025 : 2017 (NABL)





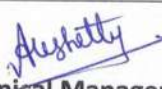


# EHS MATRIX

## PRIVATE LIMITED

9 Sr. No.30/7, Office No. 202, 203, Chintamani Industrial Estate,  
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Sr. No.	Parameters	Units	GW1	GW2	GW3	GW4	Limits
15.	Zinc (as Zn)	mg / lit	BDL	BDL	BDL	BDL	5.0
16.	Aluminium (as Al)	mg / lit	BDL	BDL	BDL	BDL	0.03
17.	Cadmium (as Cd)	mg / lit	BDL	BDL	BDL	BDL	0.003
18.	Nickel (as Ni)	mg / lit	BDL	BDL	BDL	BDL	0.02
19.	Mercury (as Hg)	mg / lit	BDL	BDL	BDL	BDL	0.001
20.	Arsenic (as As)	mg / lit	BDL	BDL	BDL	BDL	0.01
21.	Selenium (as Se)	mg / lit	BDL	BDL	BDL	BDL	0.01
22.	Sodium (as Na)	mg / lit	0.15	0.13	0.26	0.17	NS
23.	Potassium (as K)	mg / lit	0.4	0.61	0.13	0.18	NS
Microbial Parameter							
24.	MPN (Coliform Bacteria)	MPN/100ml	Absent	Absent	Absent	Absent	Absent
Remark-NS- Not Specified							
 Technical Manager						 Authorized Signatory	

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ISO 45001 : 2018

ISO/IEC 17025 : 2017 (NABL)

Ref. No.

Date : / /

### **Undertaking**

We hereby undertake that currently the project is having under maintenance / development website. Upon receipt of the monitoring report, project took steps for the development of the website. It is informed that the website will be ready by the end of January 2022. The documents such as six Monthly compliance report, continuous effluent quality monitoring station data and environment statement will be uploaded by the end of January 2022.

**Swaraj India Agro Ltd**

  
**Director**





**Copy of the action plan for spending 5% of the project cost on enterprise social commitment. Details of the activities (CSR) already carried out**

- Project Cost: Sugar, Cogeneration and Distillery: 311 Cr
- CSR Cost: 15.55 Cr

Activities	Expenses till date lakh	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	Total
Facilities to all boys & girls in ZP school	50	15	15	80
Farmer Trainng	5	3	2	10
Medical facilities to be extended In all villages.	15	25	10	50
Development of Roads in nearby Village.	200	150	245	595
Rainwater harvesting	500	100	100	700
Drinking Water Supply to nearer Villages	30	20	20	70
Tree Plantation in nearer villages	10	15	15	40
Organize health camp in villages	5	2.5	2.5	10
<b>Total</b>	<b>815</b>	<b>330.5</b>	<b>409.5</b>	1555

## Photographs of Activities















तांनी काढणे आवश्यक होते. मात्र तसे तासानंतर वाहतूक सुरू 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 12<sup>th</sup> 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. १ रस्त्याच्या दुरुस्ती कामासाठी र्ववर्धन भोसले यांच्याबरोबर त्यांचे सहकारी मित्र मंगेश दा. भोसले, जित डेरे, विशाल ब. भोसले, गेश भोसले, राहुल भोसले, जाराम भोसले, सचिन रा. भोसले, नजय डेंबरे, अतुल जगताप, राजू के. भोसले, उमेश दा.भोसले, गगर भोसले, संतोष पवार, बाळू र. भोसले, निलेश वि.भोसले, पुषार डेरे, राजाराम भोसले यांच्या मदतानातून हे खडे बुजवण्यात आले. तसेच लक्ष्मण पिसाळ यांनी वेना मोबदला ट्रॅक्टर देवून सहकार्य केले. अशा लोकहिताचे कामाचे सर्वस्तरातून कौतूक होत आहे.

सिताराम गायकर (गायकर)

बडेंकर व इतर.

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

कार्यकारी अधिकारी डॉ. राजेंद्र सरकाळे, सर्वव्यवस्थापक 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 अँग्रो लि.

मु. पो. उपळवे, ता. फलटण, जि. सातारा