

**M/s S.P.Y.AGRO INDUSTRIES LTD,
NANDYAL, AP.**

**Compliance Report of Environmental Clearance
granted by MOEF, Govt of India, New Delhi vide
F.No.J-11011/339/2011–IA II(I) Dated 14th-
February, 2015**

EC Compliance Report

A.SPECIFIC CONDITIONS:		
S.No	CONDITONS	COMPLIANCES
i	Environment clearence accorded is for grain based distillery unit [500-KLPD] only and no molasses based distillery unit shall be operated without prior permission from the Ministry.	The distillery is being operated only with grain. No molasses is being used in the plant. In 2007 EC given for 134-KLPD further we have granted the EC for 134-KLPD to500-KLPD in 2014 from MOEF, Govt of India, New Delhi vide F.No.I-11011/339/2011-IA II(I), Dated 14.02.2015. Presently we are operating the unit 220 KLPD.
ii	ESP along with stack of adequate height shall be provided coal/rice husk filled boiler [3X50 TPH] to emission less than 50mg/Nm3.At no time , the emission levels should go beyond the prescribed standards. In the event of failure of any pollution system adopted by the unit ,the respective unit shall not be restarted unit the control measures are rectified to achieve the desired efficiency.	We are having 50-TPH thermodyne boiler with five field ESP having each ESP Capacity 120600 m3/hr flue gas quantity.We do here by confirm that ESP along with stack of 50m to coal / Biomass particulate emission within 50 mg/Nm3.
iii	In plant, control measure 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 are etc,. Shall be regularly monitored and records shall be maintained. The emissions shall confirm to the limits imposed by AP Pollution Control Board[APPCB].	Water sprinkling is being done all along the transport road. Greenbelt has been developed along the boundary. Fly ash from the power plant is mixed with approx. 1 KL water. Fly ash stored in ash silo. Covered/closed storage for other raw materials.
iv	Pucca approach road to project site shall be constructed prior to commencing construction activity of the main distillery so as to avoid fugitive emissions.	Pucca road has been constructed to approach the project site.
v	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.	A 1850 & 1000 KVA DG sets has been installed with acoustic enclosure provided over the DG set.

vi	<p>The company shall be upload the status of compliance of the stipulated environmental clearance conditions, including result 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 APPCB. The levels of PM,SO2,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.</p>	<p>Compliance of environmental clearance conditions including results of monitored data will be uploaded in the Company and MoEF website and shall be sent to regional office of MoEF, CPCB and APPCB. Levels PM10, SO2, NOx will be displayed at the entry gate of the project as early as possible.</p>
vii	<p>Total fresh water requirement from River Kundu should not exceed 5442 m3/day for distillery and co-generation unit prior permission for drawl of water shall be obtained from the competent Authority. A copy of permission shall be submitted to the Ministry's Regional Office at Banglore. Water consumption shall be reduced by adopting 3 R's.</p>	<p>We are using 3437.316 kld water.</p>
viii	<p>Spent wash generation shall not exceed 6 KI/KI of alcohol, After expansion, entire spent wash of 500-KLPD distillery shall be treated through decanter and concentrated in multi effect evaporator[MEE] to form DWGS.DWGS will be sent to dryers to</p>	<p>From October 2023 to September 2024 we are used A.a) Raw water - 1012827 Kilo liters/Year, It comes to 2910.422 KLD, A.b) ETP Recycle water - 183359 Kilo Liters / Year, It comes to 526.893 KLD, Total Raw water Consumprion (A.a+A.b) - 1196186 kilo liters / year, it</p>

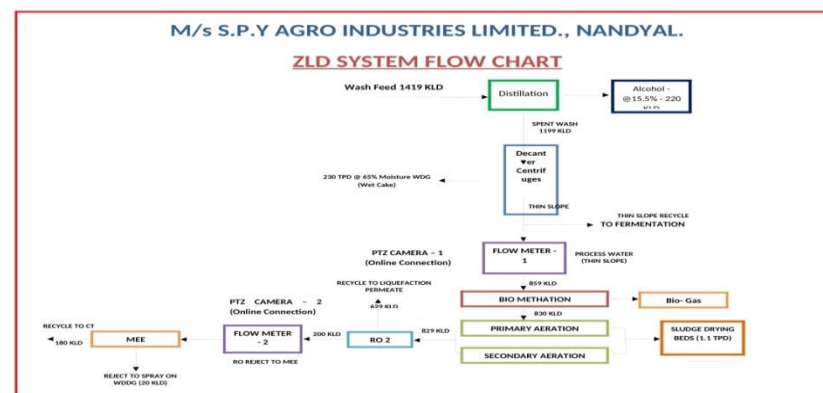
form DDGS. Spentless, effluent form utilise and cogeneration unit shall mee the norms prescribed treatment plant[ETP] and recycle/reuse. No effluent form distillery and cogeneration power plant shall be discharged outside the factory premises and zero effluent discharge concept shall be adopted. As proposed no spent wash storage lagoon will be provided.

comes to 3437.316 KLD
 B) Alcohol Production - 72363.5621 Bulk Liters / Year, It comes to 207.941 KLD.
 C.a) Effluent - 287198.60 Kilo liters / Year, It comes to 825 KLD,
 C.b)Thinslop Recycle in process (liquifaction) - 20919.80 Kilo Liters/ Year, It comes to 60.11 KLD, Total Effluent Generation (C.a+C.b) - 308118.40 Kilo Liters / Year, It Comes to 885.39 KLD, Thin slop (Effluent) generation - 4.28 KL/KL of Alcohol.
 D) ETP Sludge Generation per year - 525.47 MT, It comes 1.5 tons per Day, we are using company agriculture lands.
 E) DDGS Year Production - 19445MT, It Comes to - 55.87 MT/Day

Fresh Water Consumption / Raw Water

Process and washings -1571 KLD ,
 Boiler Feed - 500 KLD,
 Cooling towers - 652 KLD,
 Softner regeneration - 175 KLD, Domestic - 12 KLD ,
 Total Water Consumption – 2910.42 KLD

Note:- we are not having any Spent wash / Effluent lagoons



ix Process effluency /any waste water shall not be allowed to mix storm water. Storm water drain shall be passed through guard pond.

Unit based on Zero liquid discharge strategy, no effluent is discharge outside premises.

x Adequate numbers of ground water quality monitoring stations

We are not using ground water: we are using river surface water. Hence

	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 Ministry. The ground water quality monitoring for pH, BOD, COD, Chloride, sulphate and total dissolve solids shall be monitored and report submitted to the Ministry's Regional Office at Banglore and APPCB.	we have not installed Piezometers.
xi	No storage of wet cake shall be done at the site to avoid odour problem. An additional dryer shall be installed so that any time wet cake is not sold then wet cake shall be converted into dry cake by operating additional dryers.	Storage of wet cake is not proposed within the plant. Dryer has been already installed with higher capacity i.e 180 TPD and dry the wet cake on daily basis.
xii	Biomass/coal storage shall be done in such a way that it does not get air borne of fly around due to wind. For this it shall be kept in wet form.	Coal is stored in covered/ closed sheds to avoid suspension of fine particles in air.
xiii	Fly 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 storm water .Direct exposure of workers to fly ash and dust shall be avoided..Ash shall be transferred to the brick manufacturing/cement plant in a covered truck. A tie-up with brick manufactures to be made in the form of agreement.	Boiler ash Silo has been installed, ash is stored separately in Silo. Also, Proper care is taken to prevent direct exposure of workers to fly ash & dust. Boiler Ash is sold to brick manufacturers.
xiv	Fire fighting system shall be as per 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	Fire-fighting system has been installed as per the norms and all area is covered where alcohol is produced, handled and stored. Provision of foam system for fire-fighting has been made to control fire from the alcohol storage tank. A DMP (Disaster Management Plan) has been prepared.
xv	Risk Assessment shall 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 Banglore within six months.	Risk Assessment will be carried out to assess the risk of fire and explosion due to storage of alcohol and submitted to Ministry & IRO in 90 days. Onsite Emergency Plan.
xvi	No effluent from distillery shall be discharged outside the premises and Zero discharge concepts shall be adopted.	We do here by confirm that, no effluent from distillery is discharged outside the plant premises and Zero discharge practice is maintained. We also confirm to take necessary steps to reduce the water consumption by adopting 3 R's (Reduce, Reuse & Recycle).
xvii	Automatic/online monitoring system for flow measurement and for relevant pollutants in the treatment system to be installed.	Online flow meters along with CPCB PTZ Cameras are Installed one at Effluent Generation , another one at MEE Out let .

	The data to be made available to respective SPCB and in the Company's website										
xviii	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the regular medical test records of each employee shall be maintained separately.	Medical test records of each employee have been maintained separately. First aid boxes are provided in the plant premises. Forms 31 A which is related to Employee health record is been maintained for all the employees. Sample is appended to this report.									
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	Dedicated parking facility for loading and unloading of materials has been provided in the factory premises as well as outside the premises. We here by confirm to develop and implement good traffic management system for incoming and outgoing vehicles to avoid congestion on the public road.									
xx	As proposed, green belt over 33% of the total project area should 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.	Green belt developed in 14 acres out of 43 acres of Total Plant area as per the APPCB/CPCB condition .Two tier green belt as per CPCB guidelines with section of native plant species are developed									
xxi	All the commitments made during the Public Hearing / Public Consultation meeting held on 08.10.2014 should be satisfactorily implemented and adequate budget provision should be made accordingly.	<table border="1"> <thead> <tr> <th>S.No</th> <th>Public Suggestions</th> <th>Compliances</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Provide Local Employment</td> <td>Provided local employment of surrounding village peoples.</td> </tr> <tr> <td>2</td> <td>Provide Basic Amenities to the</td> <td>We are laid drinking water pipe line for Auto Nagar,</td> </tr> </tbody> </table>	S.No	Public Suggestions	Compliances	1	Provide Local Employment	Provided local employment of surrounding village peoples.	2	Provide Basic Amenities to the	We are laid drinking water pipe line for Auto Nagar,
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			surrounding villages	Venkateswarapuram, Udumalpuru and also established mineral water plants of the above villages.
		3	Control Smell nuisance	We are installed dryers capacity of 200 TPD dryers and along with we are arranged ordure purpose we have installed scrubbing system.
		4	Control Fly Ash Pollution	A)We have installed 50 TPH ABC Boiler along with ESP with 5 Fields capacity. Presently no fly ash for the plant. B) General dust controlling purpose all main roads area and entire the plant we are implemented water sprinkling system.
		5	Closed storage facilities for Fly ash	As per the PCB norms we are installed ash silo with capacity of 30 TPD and automatic loading system. We are sold fly ash to the brick manufacturing units.
		6	Crops are damaging due to settling of Fly Ash	We have installed 50 TPH ABC Boiler along with ESP with 5 Fields capacity. Presently no fly ash for the plant.
		7	Development of Green belt	As per the PCB norms we have developed 14 acres out of total plant area 43 acres.
		8	Medical Plants	We have established Jaipure Legs Cleaning Centre
xxii	At least 5 % of the total cost of the project should be earmarked towards the Enterprise social responsibility based on public hearing issues and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bangalore. Implementation of such program should be ensured accordingly in a time bound manner.	5% of the project cost, i.e., 12.5 Crore we have spent for ESR towards Establishment of Decanter, Bio Digester, SETP, RO, Evaporation, Dryers, Bag Filters and ESP.		

		Description	Capital costs (Lakhs)	Recurring / Expenditures (Lakhs) for 5 Years
		Decanter	320.00	120.00
		Bio Digester	714.00	100.00
		SETP	74.98	40.00
		RO	458.00	80.00
		Evaporation	88.32	40.00
		Dryers	500.00	30.00
		Bag Filters	60.00	15.00
		ESP	1000.00	300.00
		Total	3215.30	725.00
xxiii	The Company shall submit within three months their policy towards Corporate Environment Responsibility which should inter-alia address (1) Standard operating process/procedure to being into focus any infringement deviation/violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (ii) System of reporting of non compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.	Corporate Environment Responsibility policy of the company.		
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, 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.	Local labourers were engaged for construction of the plant. Temporary housing structures were made for resting within the plant site; however, these have been dismantled before operation.		
B. GENERAL CONDITIONS:				
i	The project authorities must strictly adhere to the stipulations made by the A P Pollution Control Board, State Government and any other statutory authority.	All the stipulations made by the State Govt. and Andhra Pradesh State Pollution Control Broad are being adhered to strictly.		
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	No modifications have been carried out in the project as per EC		

	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 National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No, 826(E) dated 16 th November, 2009 shall be followed.	National Ambient Air Quality Standards are being followed.
iv	The locations of ambient air quality monitoring stations shall be decided in consultation with the AP Pollution Control Board (APPCB) 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 stations have been decided as per CPCB norms. Complied. The industry is maintaining ambient noise level by using acoustic enclosure. One station has been proposed in upwind direction and at downwind direction where maximum GLC is expected. One number ambient air quality monitoring station quotations are received and it will be implemented as early as possible.
v	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).	We are maintaining noise level within the limit.
vi	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.	The unit is located in rain deficient area. The built up area is 14.87 Acres. The storm/rain drain are attached to a concrete tank for total rain water collection. After primary slum dosing and regular water treatment, they use the rain water for process, mainly in rainy season. About 5 Crore liters rain water is getting harvested. Due to increase of built up area after expansion this quantity is likely increase upto 10 crore liters.
vii	The Company shall obtain Authorization for: collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and its amendment time to time and prior permission from APPCB shall be obtained for disposal of solid / hazardous waste including boiler ash.	We are maintained waste oil for boiler firing, solid waste used for our agriculture lands and boiler ash sold to brick manufacturing as per PCB norms.
viii	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.	Separate Garland drains have been constructed along with storm water drains to avoid mixing of accidental spillage
ix	Usage of Personnel Protection Equipments by all employees/workers shall be- ensured.	Personnel Protective Equipment's (Helmet, eye goggles, safety boots, gloves, gowns, head covers, masks, and eye protection) are being worn by workers at all times.
x	Training shall be imparted to all employees on safety and health	Health and safety training has been provided to all the employees. Pre-

	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.	medical checkup of the employees has been done. Routine checkup of the employees will be done.
xi	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 ELA/EMP in respect of environmental management, risk mitigation measures and public hearing to the project shall be implemented.	Noted and being Complied. Some of the measures taken: 1. We have set up ETP which is fully operated. 2. ESP is installed for ambient of air pollution.3. Not using ground water for production.4. Distillery spent wash is processed as cattle feed (DDGS) and sold as by products.
xii	The company shall undertake CSR activities and all relevant measures for improving the socio- economic conditions of the surrounding area.	CSR activities are being taken up by the organization as per the CSR policy. CSR activity has been undertaken A) Providing Irrigation Pipes to Formers on subsidised price at Rs 1.00 rent of Surrounding villages for this event we are spending Rs 4.14 Crores from 2014 to 2019. B) We have established Jaipur Legs Center for Physically Handicaped peoples for this event we are spending Rs 3.30 crores from 2014 to 2023. C) We are providing daily free hunger food for nandyal peoples around 500 Nos per day for this event we are spending Rs 3.60 crores from 2015 to 2024 September. D) We have established sports & Games Accadamies (i. Badmitton, ii) Cricket, iii) Tennis) to trained the talented players the above players are participated State, National and Inter National tournaments in addition to that we are providing break fast, Lunch & dinner for School Games Fedarations of Kurnool & Nandyal districts. For this event we are spending Rs 1.6 crores from 2009 to 2023 E) We have Established Primary and upper Primary Schools on free of cost For this event we are spending Rs 1.5 crores from 2010 to 2023
xiii	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment	Noted and it will be complied.
xiv	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Environment management committee has been framed to carry out the environmental management and monitoring system. We have set up a laboratory to check the parameters in effluent like PH, COD, BOD, TS, TDS, Conductivity, VA-Fatty Acid, Alkaline, Acidity, Hardness, Silica & turbidity etc. Environmental

		Management cell is headed by our Plant head. Meanwhile we are also giving training to our employees for in house management & monitoring of environment																														
xv	The company shall earmark sufficient funds for capital cost and 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	<table border="1"> <thead> <tr> <th>Description</th> <th>Capital costs (Lakhs)</th> <th>Recurring / Expenditures (Lakhs)</th> </tr> </thead> <tbody> <tr> <td>Decanter</td> <td>320.00</td> <td>120.00</td> </tr> <tr> <td>Bio Digester</td> <td>714.00</td> <td>100.00</td> </tr> <tr> <td>SETP</td> <td>74.98</td> <td>40.00</td> </tr> <tr> <td>RO</td> <td>458.00</td> <td>80.00</td> </tr> <tr> <td>Evaporation</td> <td>88.32</td> <td>40.00</td> </tr> <tr> <td>Dryers</td> <td>500.00</td> <td>30.00</td> </tr> <tr> <td>Bag Filters</td> <td>60.00</td> <td>15.00</td> </tr> <tr> <td>ESP</td> <td>1000.00</td> <td>300.00</td> </tr> <tr> <td>Total</td> <td>3215.30</td> <td>725.00</td> </tr> </tbody> </table>	Description	Capital costs (Lakhs)	Recurring / Expenditures (Lakhs)	Decanter	320.00	120.00	Bio Digester	714.00	100.00	SETP	74.98	40.00	RO	458.00	80.00	Evaporation	88.32	40.00	Dryers	500.00	30.00	Bag Filters	60.00	15.00	ESP	1000.00	300.00	Total	3215.30	725.00
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xvi	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/-representations, if any, were received while processing the proposal.	Noted and complied.																														
xvii	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 A P Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Noted and it will be complied.																														
xviii	The environmental statement for each financial year ending 31* March in Form-V as is mandated shall be submitted to the A P 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 Bangalore Regional Offices of MoEF by e-mail	We have complied. We have submitted our environmental statement.																														
xix	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	The local news paper advertised on 19.02.2015 in Andhra prabha, Praja Shakthi.																														

	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	
xx	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.	The project Bhoomi puja on in 2005 and Completed in the year March 2008.