



# TIRUPATI SUGARS LIMITED

Village Nariapur-Bagaha 845105 Distt-West Champaran (Bihar) India  
Fax: +91-6251-227942, e-mail: tsl@yadu.in



**6-Monthly EC Compliance Report  
For  
EC Granted by SEIAA Bihar vide Ref. No. 59 Dt: 16.4.2015  
(For the Period Apr.'20 - Sep.'20)**

## **PART A- GENERAL CONDITIONS**

### **I. Pre-Construction & Construction Phase**

<b>Compliance</b>	<b>Status</b>
No new construction activity will be carried out for proposed expansion project. Only existing machineries will be upgraded & one new turbine will be installed within existing plant premises for proposed expansion.	Existing Machinery Upgraded, no new construction activity carried out for proposed expansion project. One new turbine installed within existing premises.

### **II. Post Construction / Operation Phase**

<b>Compliance</b>	<b>Status</b>
(i) No further expansion / modification in the plant shall be carried out Without prior permission of SEIAA, Bihar/MoEF, Govt. of India.	Proposed Expansion completed, no further Expansion /Modification done without prior permission of SEIAA , Bihar/MoEF , Govt. of India
(ii) Three Ambient Air Quality Monitoring Stations shall be set up. One in the down wind direction and two where maximum ground level concentration of PMIQ, SO <sub>2</sub> , NO <sub>x</sub> , are anticipated in consultation with the State Pollution Control Board.	After start of plant Monthly monitoring of ambient air quality at three different locations of plant is being done by 3rd party as per guidelines of SPCB and report of same is submitted to SPCB.
iii) Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the State Pollution Control Board. Monthly monitoring should be carried out for relevant parameters.	All influent and effluent quality parameters is being monitored as per CPCB CHART and data of same is recorded in our ETP lab , also online monitoring system setup and data of same connected to CPCB Website .
(iv) The industry shall ensure that the treated effluent and stock emissions from the unit are within the norms stipulated under the EPA rules or SPCB whichever is more stringent. The Test Reports will be submitted every month. In case of process disturbances/failure	Online Effluent and Emission Monitoring system is installed and online data are regularly being send to CPCB/SPCB server, when plant is in operation, through below mentioned portal ;



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<p>of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restored until the control measures are rectified to achieve the desired efficiency.</p>	<p><a href="http://horiba.glensserver.com">http://horiba.glensserver.com</a></p> <p>Login ID : TSL Password : <a href="mailto:tsl@789">tsl@789</a></p> <p>A setof online monitored data is attached herewith of last sugar season which was ended in the month of Mar.'20. Regisreted email ID and mobile no. are also connected to CPCB server for alert messages during deviation found in parameters or any error in system. We have started displaying ambient air data manually infront of the main gate of the factory.</p>
<p>(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 should conform to the standards prescribed under EPA Rules, 1989 viz.75 dBA (day time) and 70 dBA (night time).</p>	<p>Overall noise level in and around the plant area is maintained well within the limit that is 75dBA in Day and 70dBA during night time for this all control measures including acoustic hood, silencers ,enclosures etc has been provided as and where required to maintain sound level below prescribes norms. Also sound level is monitored through 3<sup>rd</sup> party every month and report of same submitted to BSPC.</p>
<p>(vi) The project authorities shall provide requisite funds for both recurring and non-recurring expenditure to implement the conditions stipulated by SEIAA, Bihar with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.</p>	<p>The project authorities empowered to use provided requisite funds for both recurring and non-recurring expenses to implement the conditions stipulated by SEIAA, Bihar with the implementation schedule and funds allocated for this purpose totally utilized for environment protection.</p>
<p>{vii} A copy of the clearance letter shall be sent by the 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. The clearance letter shall also be put on the website of the company by the proponent.</p>	<p>Company send the copy of the clearance latter to concerned panchayat , Zila parishad/ Municipal Corporation , urban local body and local NGOS and suggestions received from the above bodies implemented time to time.</p>
<p>(viii) The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter ore available with the State Pollution Control Board/ Committee and may also be seen of Website of the Ministry of Environment and Forests of <a href="http://envfor.nic.in">http://envfor.nic.in</a>. This shall be advertised</p>	<p>Company inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board/Committee also seen at website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a>. We have pasted copy of environmental clearance in vernacular</p>



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within seven days from the date of issue of the clearance letter, of 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.	language at our Notice Board in cane office & cane yard where local area formers visit during plant operation.
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### **III. Entire Life of the Project**

Compliance	Status
(i)The project proponent should implement Environmental Monitoring Programme as per details submitted in EIA/EMP Reports os per commitment during public hearing.	Company, implemented all Environmental monitoring Programme as per details submitted in EIA/EMP reports per commitment during public hearing.
(ii)No expansion/modification activity should be carried out before obtaining prior Environmental Clearance as per EIA Notification 2005.	Company Started all expansion /modification activities after receiving environmental clearance as on 16/4/2015 as per EIA Notification.
(iii) Regular monitoring of Environmental Components should be done & report should be submitted to Bihar State Pollution Control Board, Patna on monthly basis.	Company, monitored environmental component regularly and report of same submitted to BSPCB.
(iv) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board os prescribed under the Environment (Protection) Rules, 1986, os 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 SEIAA/SEAC, Bihar.	Company, submitted the environmental statement for each financial year ending 31st March in Form-V to Bihar State Pollution Control Board after end of the crushing season as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently. Website of our company is <a href="http://www.yadu.in">www.yadu.in</a> . We have uploaded compliance status of environmental clearance conditions on above referred portal.

### **Part B – SPECIFIC CONDITIONS**

#### **I. Pre-Construction & Construction Phase**

Compliance	Status
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<p>No new construction activity will be carried out for proposed expansion project. Only existing machineries will be upgraded &amp; one new turbine will be installed within existing plant premises for proposed expansion.</p>	<p>Existing Machinery Upgraded, no new construction activity carried out for proposed expansion project, One new turbine installed within existing premises.</p>
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## II. Post Construction / Operation Phase

Compliance	Status
<p>(i) The industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the EPA rules or SPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.</p>	<p>Treated effluent and stack emission from the unit always run within the norms stipulated under the EPA rules and CPCB guide lines , We have installed on line monitoring system at ETP discharge and stack emission and same is connected to CPCB Server if any variation in parameter noted beyond the limit we immediately received notification from server through SMS &amp; Mail, if any problem faced in system problematic unit shutdown same started after rectification and report of same is submitted to CPCB online.</p>
<p>(ii) The particulate emissions from the existing bagasse fired boiler shall be controlled by way of APCs and emissions shall be dispersed through stack heights as per the CPCB guidelines and conform to the prescribed standards. The emissions from the DG sets shall be dispersed through stack of height as per CPCB standards.</p>	<p>Company, installed wet scrubber to control the particulate emission from the existing bagasse fired boiler and emission is dispersed through stack heights per the CPCB guidelines and conform to the prescribed standards. The emission from the DG sets is dispersed through stack of height as per CPCB standards.</p>
<p>(iii) 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 State Pollution Control Board. The levels of PM10, SC2, NOx (ambient levels), emissions from the stacks and pH, TDS, BOD, COD, Chloride , suspended solids and sulphates in the treated effluent shall be monitored and</p>	<p>We have provided display board for manual display of AAQ data in front of the main gate of our sugar mill.</p> <p>We are submitting the six-monthly compliance reports to RO, Ranchi on regular basis and it is uploaded on our company webpage <a href="http://www.yadu.in">www.yadu.in</a>.</p>



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<p>displayed of a convenient location near the main gate of the company and at important public places.</p>	
<p>(iv) Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area and bio-compost yard shall be set up. Sampling and trend analysis monitoring must be mode on monthly basis and report submitted to the RO, MOEF at Bhubaneswar / CPCB/SPCB and this Ministry.</p>	<p>We are in process of installation 03 Nos Piezometers. Two nos. to measure the water level of two running industrial tube wells, and one for reference of these two. Site of piezometer has been finalized. Piezometer offer &amp; drawing of installation site attached. Water meters are installed in the bore well line. Photographs of water meter attaced herewith.          We are monitoring the daily water consumption and maintaining the record in a register. Copy of water meter log book data is attached herewith.</p>
<p>(v) Green belt in an area of 23 acres of the plant area shall be maintained to mitigate the effects of fugitive emissions all around the plant and compost yard as per the CPCB guidelines in consultation with the local DFO.</p>	<p>Green Belt development on the road side surrounding the boundary wall, near the ETP and lagoon area is going on. Plantation is being done every year. During the previous years plantation had done on the road side and lagoon area. 500 plants have been planted in this year also surrounding the boundary wall, on the road side, ETP and lagoon area. Some plants got damaged due to heavy rain and flood water logging in the area. Photographs of green belt development On the road side, surrounding the boundary wall, Near the ETP, Lagoon Area is attached herewith.</p>
<p>(vi) Company shall adopt rain water harvesting measures to recharge the ground water.</p>	<p>Our project area falls under Safe category as per CGWA Classification, where ground water level remains above 5 m. bgl. Every year area is flooded.          However, we are providing 2 nos. rain water recharge pits. Construction work of drains surrounding the Sugar Godowns has already been completed. Construction work of Rain Water harvesting Pit is under progress.</p>
<p>(vii) Fire Fighting System shall be as per the TAC Norms and cover all areas where alcohol is produced, handled and stored.</p>	<p>Fire fighting networking system installed all around the sugar plant as per TAC norms.</p>
<p>(viii) Provision of foam system for fire-fighting to control fire from the alcohol storage tank.</p>	<p>We don't have distillery so there is no storage of alcohol in plant, although we have provided fire fighting system around the plant.</p>
<p>(ix) Risk Assessment shall be carried to</p>	<p>Risk assessment is carried to assess the fire</p>





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assess the fire and explosion risk due to storage of alcohol and report submitted to the Ministry within six months.	and explosion risk for explosive material and report is being submitted to ministry at every six month.
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### **III. Entire Life of the Project**

(i) The company shall comply with the recommendations made in the EIA/EMP report and during public hearing.	The company comply with the recommendations made in the EIA/EMP report and during public hearing.
(ii) 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 medical records of each employee shall be maintained separately.	Occupational health surveillance programme is undertaken as regular exercise for all the employees. The first aid facilities in the factory occupational health centre strengthened and the medical records of each employee is being maintained separately.
(iii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated E C 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 State Pollution Control Board.	We are submitting the six-monthly compliance reports to RO, Ranchi on regular basis and same is being uploaded on company website <a href="http://www.yadu.in">www.yadu.in</a> also.
(iv) Company should implement ZERO DISCHARGE as per declaration submitted by 31st Mar.'2015.	Company implemented ZLD as per declaration submitted by 31st Mar. 2015, treated effluent is being used for irrigation of agriculture land of formers.
{v} No effluent should be discharged to Manusmara river.	Company maintained ZERO LIQUID DISCHARGE, whole treated effluent is being utilized for irrigation of agriculture land of formers.
(vi) Characteristics of Treated Effluent & Emission from Stocks should meet the standards as prescribed in Environment (Protection) Rules',1986 and amendments thereof.	All the effluent discharge and stack emission norms is being maintained as per CPCB charter that meet the standards as per prescribed in Environmental (Protection) Rules' 1986 and amendments thereof.
{vii} The funds earmarked for the environmental protection measures shall not be diverted for other purposes.	All the funds allocated for the environmental protection measures is utilized only for the same.
{viii} In case of any change(s) in the scope of the project, the project shall require a fresh appraisal by the SEAC/SEIAA.	There was no change(s) in the scope of the project ,same is completed as per environmental clearance.
(ix) The SEAC/SEIAA Bihar will have the right	Company comply with the guide lines provided



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<p>to amend the above conditions and add additional safeguard measures subsequently, If found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.</p>	<p>by SEAC/SEIAA</p>
<p>(x) For Extraction of ground water prior clearance shall be obtained from the Central Ground Water Board or any other appropriate Authority.</p>	<p>Online application for obtaining NOC for ground water withdrawal from CGWA has been submitted vide Application No. 21-4/253/BR/IND/2017 Dt: 24.05.2017 and subsequently all clarifications required by CGWA/CGWB has also been submitted on time, but till date NOC has not been granted and we have not received any communication regarding status of our NOC application by CGWA.</p> <p>Project area is located at Bagaha Block in West Champaran District of Bihar State which is non-notified area under Safe Category as per 2017 classification of CGWA.</p>
<p>(xi) Any appeal against this Environmental Clearance shall lie with the Notional Green Tribunal (NGT), if preferred within a period of 30 days as prescribed under section '16 of the Notional Green Tribunal Act, 2010.</p>	<p>Comply comply with the guide lines provided in Environmental clearance.</p>