

Shree Renuka Sugars Ltd, Unit-I Munoli

Tq: Soundatti, Dist: Belagavi, Karnataka -591117

Ref: SEIAA:16:IND:2007, Date: 1st July 2008

Compliance to the SEIAA clearance conditions

For the Period of March 2018-September -2018.

Date: 06.11.2018

Sl No	Conditions	Compliances
a	<p>The proposal for the sugar unit from 2500 TCD to 7500 TCD and 20.5 MW to 35.5 MW Co-generation plant at Sy.No.367 Munoli village, Saundatti taluk, Belgaum District, Karnataka State. The fresh water requirement is 117 M3/day which will be obtained from Malaprabha river, 2250 TPD Bagasse will be used as fuel .It is proposed to install 100 TPH boiler (existing 94 TPH. Total 194 TPH)</p>	<p>The expansion of the sugar and Co-generation unit is completed for the 7500 TCD capacity and 35.5 MW. The fresh water requirement 117 cum/day is lifted from the Malaprabha river. The Bagasse is being used as fuel for Co-generation plant. The additional 100 TPH boiler is installed and the total capacity of boilers is now become 194 TPH.</p>
b	<p>The SEIAA Karnataka State has examined the application in its meeting held on 27th March 2008, in accordance with the EIA notification, 2006 and here by accords the environmental clearance under the provision there of the above mentioned M/s Shree Renuka Sugars Limited subject to implementation of the following conditions and environmental safe guards .</p>	<p>The conditions are implemented and the compliance is as follows</p>
1	<p>Suitable Air pollution Monitoring system (ESP/Bag filter) and stack of appropriate height as per the CPCB guidelines shall be provided to control emissions from various sources and shall ensure emissions levels below the KSPCB prescribed standards. Separate electric meters should be provided to the air pollution monitoring system and a separate log book maintained for the daily meter readings and monthly report submitted to the Regional officer KSPCB and Regional Director (Environment) Department of Ecology and the Environment Government of Karnataka Belgaum.</p>	<p>Presently total three boilers are in operations 100 TPH, 50 TPH and 44 TPH. For 100 TPH and 50 TPH boilers common chimney of 65 m height is provided and Both these boilers are provided with independent Electrostatic precipitator ESP as Air pollution Control Equipment. For 44 TPH Boiler chimney of 58.5 m height is provided and Wet Scrubber as a Air Pollution Control Equipment. The Air pollution equipments are provided as per the KSPCB guidelines. The emission rates from these boilers are well within the prescribed limits by CPCB/KSPCB. The details of Air pollution sources are attached as <i>Annexure -I</i></p>

2	ETP treated water shall not be let out of the industry's premises and should be used for the farming/gardening within its premises.	ETP treated water is reused in the plant and small quantity is used for the gardening purpose whenever necessary.
3	Ash generated should be mixed with press mud and composted and used or given to farmers as manure 100% utilization of ash should be ensured from the date of operation of the plant. The project authorities shall adhere to the provision stipulated in the fly ash notification of September, 1999 and as amended in August, 2003 in regards to the fly ash utilization.	The entire fly ash generated from the boilers is mixed with press mud and composted in Bio composting Plant and supplied to the farmers as agricultural manure.
4	All the conditions stipulated in CFE/CFO issued by Karnataka State Pollution Control Board shall be strictly implemented.	All the CFE and CFO conditions are complied and implemented.
5	Only bagasse should be used as a fuel no other fuels should be used.	Bagasse is used as a fuel.
6	No ground water shall be drawn for the power plant at any stage. Treated effluent shall be used for the sugar cane seed farm/green belt development. There should be no waste water discharge from the plant.	The Water source is River Malaprabha. The treated effluent is reused in the plant and small quantity is used for gardening purpose whenever necessary. No effluent is discharged from the plant. The water balance sheet for Sugar, Co-generation and distillery is attached as Annexure - II
7	For controlling fugitive dust inside and outside the plant premises and vulnerable areas of the plant and dust extraction and suppression system and water sprinklers shall be ensured.	To control the Fugitive dust water sprinklers are provided in the dusty area.
8	Noise level shall be limited to 75 dBA for people working in high noise area, requisite personal protective equipments like earplugs etc. shall be provided.	Ear plugs and Ear muffs and acoustic enclosures are provided as protective equipments. However the noise levels are within the prescribed limits. The recent Noise level analysis report is attached as Annexure - III .
9	Minimum 33% green area should be developed in the project area. Planting should be done with tree density of about 1600 trees per hectare.	The green belt development is already undertaken and about 22220 trees of Casuarinas, Eucalyptus, Acacia, Banyan, Almond etc. are planted and the activity will be further continued Total area covered is 14.17 hector. The green belt development inspection report of committee dated 22/09/2012 as Annexure-IV .
10	The gaseous emission (SO ₂ , NO _x) and particulate matter from boilers, D.G sets and other processes shall conform to the	All the Air pollution control equipments are working satisfactorily and the Ambient Air Quality parameter as well as Stack emission

	standards prescribed by the concerned authorities from time to time. At no time, the emissions shall exceed the prescribed limit. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation under intimation to the Regional Officer KSPCB and Regional Director (Environment) Department of Ecology and Environment Government of Karnataka ,Belgaum and shall not be restarted until the desired efficiency has been achieved,	is being analyzed regularly and the results are well with the norms prescribed by the CPCB/KSPCB. The Summary of the Analysis reports is attached as Annexure – V .
11	Regular monitoring of the air and water quality should be carried out in and around the power plant and records be maintained .Six monthly report shall be submitted to the SEIAA Karnataka, MOEF Regional Office, Bangalore Department of Environment and Ecology ,Karnataka and Regional Director (Environment), Department of Ecology and Environment ,Government of Karnataka, Belgaum	Air and Water quality is being regularly monitored around the plant. The analysis reports of the Air and Water quality is attached as Annexure – VI .
12	Adequate number of ground water quality monitoring stations shall be set up around the green belt area. These monitoring stations will be provided with piezometers. The company shall monitor six monthly, the soil and ground water quality in plant and green belt area to ensure that there shall not be ground water pollution and reports submitted to Ministry's Regional office/SPCB/CPCB, Department of Environment and Ecology, Bangalore and the Regional Director (Environment) Department of Ecology and Environment, Government of Karnataka Belgaum.	The treated water is reused in the plant and small quantity is being used for gardening purpose whenever necessary. The ground water quality monitoring stations are also maintained and monthly analysis is being carried out the analysis report is attached as Annexure - VII
13	A master plan for social commitment giving details of proposed works /activities and expenditure year wise to be prepared and submitted to SEIAA and shall be implemented strictly.	We are committed to the social welfare of the society around the plant. The detail of the welfare activities carried out is attached as Annexure – VIII
14	The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the	The advertisement of the accordance of Environmental clearance is already published in the widely circulated local news papers..

	vernacular language of the locality concerned, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Karnataka State Pollution Control Board. And Environment and Ecology Department seiaa.kar.nic.in	
15	A separate environment and safety management cell with qualified staff shall be set up before commissioning of construction activities and shall be maintained throughout the lifetime of the industry, for implementation of the stipulated environmental safeguard.	The separate environment and safety management cell with qualified staff is already set up The Environment cell details are attached as Annexure – IX
16	Half yearly report on the status of implementation of the stipulating conditions and environment safeguards shall be submitted to SEIAA/ Regional Office of Ministry of Environment and Forest Bangalore/CPCB/KSPCB/ Department of Environment and Ecology ,Karnataka and Regional Director (Environment) Department of Ecology and Environment Government of Karnataka, Belgaum.	After expansion activity and the plant capacities are Sugar – 7500 TCD Co-generation – 35.5 MW Distillery – 120 KLPD. Refinery - 1200 TPD. All the water and Air pollution control system are at place and working satisfactorily and norms prescribed by CPCB/KSPCB are achieved with respect to Water and Air quality.
17	Karnataka SEIAA/Regional office of the Ministry of Environment and Forest located at Bangalore /Department of Environment and Ecology Karnataka and the Regional Director (Environment) Department of Ecology and Environment ,Government of Karnataka ,Belgaum will monitor the implementation of the stipulated conditions .Complete set of Environment Impact Assessment Report and Environment Management Plan along with additional information submitted from time to time shall be forwarded to the Regional office of MOEF Bangalore/Department of Ecology and Environment,Karnataka/SEIAA,Karnataka and the Regional Director (Environment) Department of Ecology and Environment, Government of Karnataka,Belgaum for their use during monitoring.	Note and is being followed
18	Separate funds should be allocated for	All the environmental protection measures

	<p>implementation of Environmental protection measures along with the item wise break up .These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall be diverted for other purposes and year wise expenditure should be reported to the SEIAA, Karnataka ,MOEF regional office Bangalore, Department of Environment and Ecology ,Karnataka and Regional Director (Environment) Department of Ecology and Environment Government of Karnataka,Belgaum</p>	<p>recommended in the consent conditions and Environmental Clearance are already implemented. The CREP norms both for sugar factory and distillery are achieved. The fund allocated to environmental protection measures are used for that purpose only. The Details are as follows. Expenditure incurred for pollution control Measures. Air Pollution – Capital cost – Rs. 230 Lakhs Operation & maintenance – 85 lakhs. Water Pollution – Capital Cost – Rs. 500 lakhs Operation and Maintenance –Rs/ 120 lakhs</p>
19	<p>The project authorities should inform the SEIAA, Karnataka /Department of Environment and Ecology, Karnataka Department of Ecology and Environment, Government Of Karnataka, Belgaum/Regional Office of the Ministry of Environment and Forest regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and Commissioning of the plant.</p>	<p>The plant commissioning dates are as follows. Sugar 7500 TCD – 24TH JAN 2009 Co-generation 35.5 MW – 24TH JAN 2009 Distillery 120 KLPD – 1ST APRIL 2008</p>
20	<p>Full Cooperation should be extended to the scientist /officers from the Ministry /Regional office of the Ministry at Bangalore /the CPCB/the KSPCB/the Department of Environment and Ecology ,Karnataka State/Regional Director(Environment),Department of Ecology and Environment Government of Karnataka ,Belgaum who would be monitoring the compliance of the Environmental Status.</p>	<p>Noted the condition and full co-operation will be extended to the monitoring authority.</p>
21	<p>Project proponent should be take up specific social commitment made in the letter No.SRSL/Unit-1/Munoli/ECC/08-09 dated 24th June 2008.</p>	<p>The social commitments mentioned in the letter are implemented. The mentioned letter along with details of social activities carried out and planned is attached as Annexure – VIII.</p>
22	<p>The SEIAA reserves the right to revoke the clearance of conditions stipulated are not implemented to the satisfaction of the Ministry.</p>	<p>Noted the condition and agreed</p>
23	<p>The environmental clearance accorded shall be valid for a period of 5 years or date of commencement of operation of the power plant whichever is earlier .In</p>	<p>Noted the condition and agreed</p>

	case, the project authorities fail to do so within this stipulated period this environmental clearance shall be stand lapsed automatically.	
24	No further expansion or modification in the plant shall be carried out without prior approval from the SEIAA Karnataka. In case of any deviation or alteration in the project proposed from those submitted to this SEIAA for clearance, a fresh reference should be made to the SEIAA to assess the adequacy of the conditions imposed and to add the additional conditions for environmental protection required if any.	Noted the condition and will be followed the same.
25	The above stipulations would be enforced among others under the water (Prevention and Control of pollution) Act1974, The Air (Prevention and Control of pollution) Act 1981, the Environment (Protection) Act 1986 ,Hazardous Waste (Management & Handling) Rules, 1989 and its amendments, the Environment Impact Assessment Notification of January 2006 and their subsequent manufacture, storage and Import of Hazardous Chemicals Rules 1989 amendments.	Noted the Acts mentioned and will be followed.