

**COMPLIANCE STATUS OF EACH STIPULATION OF ENVIRONMENT CLEARANCE
CERTIFICATE VIDE LETTER
No. SEIAA/GUJ/EC/1(d)/29/2008 Dated: March 19, 2008**

Sr. No.	Conditions	Compliance Status										
1.	It is noted the proposal is for environmental clearance for setting up of 10 MW of the existing 5 MW plant (Total capacity: 15 MW) by M/s. Rainbow Papers Ltd., Village: Rajpur, Kalol-Mehsana Road, District: Mehsana, Gujarat.	Design capacity of existing CPP- 5 MW and 10 MW plant is pre commissioning stage.										
2.	The total land acquired is 234045 m ² .Expansion will be within existing land.	Total land is in our possession.										
3.	<p>The list of the existing and proposed capacities Power Plant is as given below: -</p> <table border="1" data-bbox="245 667 1133 856"> <thead> <tr> <th data-bbox="245 667 358 779">Sr. No</th> <th data-bbox="358 667 607 779">Description</th> <th data-bbox="607 667 781 779">Existing</th> <th data-bbox="781 667 959 779">Additional After expansion</th> <th data-bbox="959 667 1133 779">Total</th> </tr> </thead> <tbody> <tr> <td data-bbox="245 779 358 856">1</td> <td data-bbox="358 779 607 856">Captive Power Generation</td> <td data-bbox="607 779 781 856">5MW</td> <td data-bbox="781 779 959 856">10MW</td> <td data-bbox="959 779 1133 856">15MW</td> </tr> </tbody> </table>	Sr. No	Description	Existing	Additional After expansion	Total	1	Captive Power Generation	5MW	10MW	15MW	Design capacity of existing CPP- 5 MW and 10 MW plant is pre commissioning stage.
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1	Captive Power Generation	5MW	10MW	15MW								
A.	Specific Conditions:											
A1.	WATER											
1.	Water consumption for the project shall not exceed 800 m ³ /day and shall be met with through surface water to be provided by them Sardar Sarovar Narmada Nigam Limited. No groundwater shall be extracted for the purpose of this project.	Our estimated water consumption will be 800 m ³ /day and consent from Sardar Sarovar Narmada Nigam Limited vide ref no 2067 dated 16.11.07.										
2.	The unit shall also endeavor to meet with their water requirement for activities other than this power plant also through surface water sources. The rain water harvesting activity shall be taken up appropriately. The unit shall also adopt the rain water harvesting from roof tops and storm water drains to recharge the ground water.	Design of water harvesting structure is under process and shall be complied.										
3.	The waste water generating from the power plant (265 m ³ /day) shall be fully utilized in the paper plant which is located in the same premises after adequate treatment and there should not be any discharge of industrial waste water from the power plant.	We are achieving 100% for existing systems and same will be followed after proposed expansion.										
4.	Domestic waste water should be discharged as per GPCB Norms.	Complied										
A1.	AIR											
5.	High efficiency Electro Static Precipitator (ESP) with efficiency not less than 99.9% shall be installed and operated to ensure that particulate matter emission does not exceed the norms	We have already ordered high efficiency ESP and										

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	prescribed by the GPCB. In case of failure of the ESP, the unit shall immediately shut down the power plant and if need be appropriate instrumentation control shall be provided for this purpose.	shortly commission it.
6.	A flue gas stack of 85 m height shall be provided with online monitoring system.	Material for stack of 85 m is already procured and commission work is under process.
7.	Lime stone injection technology shall be adopted to control SO ₂ and it shall be ensured that SO ₂ levels in the ambient air do not exceed the prescribed standards.	We have FBC boiler to fulfill the same purpose.
8.	Sulfur and ash content of the lignite shall be analyzed and its record shall be maintained. Its content shall not exceed 2% and 10% respectively.	Maintain in our mixed fuel (Coal: Lignite).
9.	Ambient air quality levels shall not exceed the standards stipulated by Gujarat Pollution Control Board.	Committed to comply it.
10.	Regular monitoring of the ambient air quality shall be carried out in and around the plant and record shall be maintained. The location of the monitoring stations and frequency of the monitoring shall be decided in consultation with GPCB.	Comply for existing activities and shall be committed to comply after proposed expansion. Analysis report attached
11.	<p>The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (eg. Directorate of industrial safety & health). Following indicative guidelines shall be followed to reduce the fugitive emission:</p> <ul style="list-style-type: none"> a) Enclosure shall be provided at all loading and unloading operations b) Adequate dust extraction system such as bag filter, water spray system in the dusty area like fly ash handling area and other vulnerable areas shall be provided. c) All transfer points shall be fully enclosed d) Accumulated coal dust/fly ash on the ground and other surfaces shall be removed/ swept regularly and water the area after sweeping. e) Internal road shall be either paved properly to reduce the fugitive emission during vehicular movement. f) Air borne dust shall be controlled with water sprinklers at suitable interval in the plant. 	<p>Analysis report attached</p> <p>Committed to comply it.</p>
A3. SOLID WASTE		
12.	No ash pond shall be made	Ash is using for

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		brick making in our own plant and excess will be sold to cement manufacturer.
13.	Adequate storage facility for the fly ash in terms of close silos shall be provided at site.	It will be provided
14.	Handling of the fly ash shall be closed and through pneumatic system	It will be provided
15.	Ash shall be handled in only dry state. Thirty percent of the ash generated shall be utilized for in house brick manufacturing plant as proposed while 70% of ash shall be sold to the cement manufacturer. Necessary records shall be maintained for this purpose and furnished to the GPCB from time to time	Committed to comply it.
16.	Used oil/waste oil shall be sold only to the registered recycler.	Committed to comply it.
A.4	SAFETY	
17.	Necessary precautions like continuous monitoring of hot spot (ignited coal) using temperature detection systems, water sprinklers, avoiding stacking of coal near steam pipeline etc. shall be made for storing coal and lignite to prevent fire hazard.	Committed to comply it.
18.	Personal protective Equipment shall be provided to workers and its usage shall be ensured and supervised.	Committed to provide PPE to all workers.
19.	First Aid Box shall be made readily available in the unit	Already provided and addition will be proved as per the requirements.
20.	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken on regular basis as per Factories Act & Rules.	Committed to comply it.
A.5	HEALTH	
21.	Periodical Medical checking in the industrial unit shall be done through reputed Medical Institutes/Civil Hospitals /ESIS/NIOH or Institutes designated by NIOH. The periodicity of such medical check up must be decided in Consultation with GPCB.	Already in practice through qualified Doctor and record are maintained
A.6	NOISE	
22.	The overall noise level in and around the plant area shall be kept well within the standard by providing noise control measures including engineering control like acoustic insulation, hoods, silencers, enclosures etc. on all source of noise generation. The ambient noise level shall confirm to the standards prescribed under Environment (Protection) Act & Rules, 1986.	Already in provision.

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23.	Noise levels for workers shall be as per the Factories Act & Rules	Committed to comply it.
A.7 CLEANER PRODUCTION AND WASTE MINIMIZATION		
24.	The company shall undertake following various waste minimization measures including : a) Metering and control of quantities of active ingredients to minimize waste. b) Reuse of by-products from the process as raw materials of raw materials substitutes in other processes. c) Use of automated and enclosed filling to minimize spillage. d) Venting equipment through vapours recovery system. e) Use of close feed system into project.	Committed to follow it.
A.8 GREEN BELT AND OTHER PLANTATION		
25.	Unit shall develop green belt having 7.5m width all along factory periphery consisting of at least three rows of tree of local species. The number of trees in the green belt should be as per guidelines of CPCB.	We have already developed it and additional greenbelt developed as per the commitment.
26.	The unit shall take up massive plantation activities within the plant and in the nearby villages by involving the communities.	Committed to do it
B. GENERAL CONDITIONS:		
27.	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put of out of operation and shall not be restarted unit the desired efficiency has been achieved.	Committed to comply it.
28.	The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environment Protection (CREP) for Chloro Alkali Plants.	Committed to comply it for power plant.
29.	The company shall undertake eco-developmental measures including community welfare program most useful in the project area for the overall improvement of the environment. The eco-development plan shall be submitted to GPCB within three months of receipt of this letter.	It is at planning stage. Submit the details in next compliance report.
30.	The project management shall also comply with all the environment protection measure, risk mitigation measures and safeguards recommended in the EIA/EMP report as well as other proposals made by them.	Committed to comply it.
31.	The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water. Also harvesting of surface as well as rainwater from the rooftops of the building proposed in the project shall be under taken and the same shall be used for the various activities of the projects to conserve fresh water.	Committed to comply it.
32.	The applicant shall also comply with any additional condition	Committed to

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	that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	comply it.
33.	No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF/SEIAA, as the case may be .In case deviations or alterations in the project proposal from those submitted to MoEF/SEIAA/SEAC for clearance, a fresh reference shall be made to the SEIAA/SEAC to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Committed to follow the condition.
34.	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	We have adequate provision for implement of SEIAA conditions.
35.	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.	Copy of advertisement is attached herewith
36.	It shall be mandatory for the project management to submit half – yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.	Committed to follow the condition
37.	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Committed to comply it.
38.	The project authorities shall inform the GPCB Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Plant is at final stage of commission and inform concern authorities regarding starting the activities and details of financial closure
39.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	-
40.	The company in a time bound manner shall implement these conditions. The SEIAA reserve the right to stipulate additional conditions, if the same is found necessary. The above conditions will be enforced, inter-alia under the provisions of	-

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	the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986, Hazardous Wastes (Management and Handling) Rules,2003 and the Public Liability Insurance Act,1991 along with their amendments and rules.	
41.	This Environmental clearance is valid for five years from the date of issue.	Our plant is at final stage of commission

For, Rainbow Papers Ltd

Director