

HALF YEAR COMPLIANCE REPORT-MAY'22

SI.NO.	SPECIFIC CONDITIONS	EC No : SEIAA/AP/NSP-178/2015-1215 dtd : 2nd September'2016	COMPLIANCE																																							
1	The industry shall install appropriate pollution control systems to achieve Zero Liquid Discharge (ZLD)- ETP, MEE with VOC scrubbers, ATFD and RO plant	All effluent generated being treated in the ETP followed by RO. RO reject being evaporated in MEE followed by ATFD. No effluent will be discharged outside factory premises.																																								
2	The treated effluent after duly meeting norms shall be utilised in the manufacturing process of plant for utilities purposes only and there shall not be any discharge into on land under any circumstances	Treated effluent will be reused in process or as cooling tower makeup and boiler feed. There will be no discharge on land.																																								
3	The project proponent has to take up the development of "Kondakarla Ava Lake" under CSR activities	As per the EC amendment-SEIAA/AP/NSP-178/2015-1215.dtd 31.10.2016. Along with other surrounding industries, APL will work as a joint project while implementing of Kondakarla Ava Lake																																								
4	The industry may explore the adoption of green technology in the Plant	All our processes and practices are designed to fulfil the requirement of Indian Green Building Council Factory Rating. Solar power, waste minimisation schemes, reuse schemes, auto handling of materials to reduce dust emissions, etc are few green technologies that we use.																																								
5	Industry shall implement wildlife conservation plan for Kondakarla Ava with special reference to species in Schedule-I	As per the EC amendment-SEIAA/AP/NSP-178/2015-1215,dtd 31.10.2016. Along with other surrounding industries, APL will work as a joint project while implementing of Kondakarla Ava Lake																																								
a)	SPECIAL CONDITIONS		COMPLIANCE																																							
i)	The industry shall achieve Zero Liquid Discharge	All effluent generated being treated in the ETP followed by RO. RO reject being evaporated in MEE followed by ATFD. No effluent will be discharged outside factory premises.																																								
ii)	The industry shall provide solvent recovery system	Being a closed loop handling system, waste solvent generation is minimum. This is consumed back into the process																																								
iii)	The industry shall provide hazardous waste container (drums) cleaning/washing system	A system to clean the Barrels and IBs has been provided and being used																																								
iv)	The industry shall provide mass flow meter to measure quantity of steam consumed to MEE system	Mass flow meters are provided to measure quantity of steam consumed																																								
v)	The industry shall provide magnetic tamper proof flowmeters to measure quantity of different streams of effluents generated and rooted through the treatment systems	The same has been provided separately for industrial effluent and sewage effluent streams																																								
vi)	The industry shall provide stream stripping system to handle volatile matter in the effluents	Currently we plan to produce water based paints, which use low quantity of volatile raw materials. Effluent is generated from cleaning of such water based paint manufacturing equipment. This effluent has very low volatile content. We are exploring the applicability of stripping system to handle volatile matter in the equipment.																																								
vii)	The industry shall send hazardous waste to the authorised cement industries/TSDF/ authorised recyclers by proper manifesto system	It was noted and being complied																																								
viii)	The industry shall install dual chamber incinerator with appropriate pollution control systems in conformity with CPCB/ MOEF & CC guidelines	An incinerator with pollution control system as per CPCB/MOEF/CC guidelines has been installed																																								
ix)	The industry shall fulfil all commitments made during the public hearing held on 29.06.2016	It is noted and shall be complied																																								
b)	Air Pollution																																									
	Source of flue gas emissions, details of stack, and air pollution control system are as follows:																																									
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Details of process emissions, stack heights, and air pollution control systems are as follows:																																																																
S.no.	Source																																																															
1	Process vents (5 nos)																																																															
2	Raw material storage silos vents (150 nos)																																																															
	Stack height																																																															
	A.P.C.E																																																															
	Scrubbers																																																															
	Bag filters																																																															
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III	Necessary measures shall be taken to control odour as far as possible. Sub coolers for brine circulation shall be installed to reduce solvent evaporation losses into the atmosphere. All the solvent storage tanks shall be connected to vent condensers. Regular monitoring of the VOCs shall be carried out using sensors																																																															
IV	The solvents shall be recovered by installing solvent recovery facility. The recovered solvents shall be reused in the process or sold to recyclers authorised by APPCB. The volatile vapours generated during process shall be routed through condensers and the condensate shall be reused in the plant																																																															
V	The area of the greenbelt shall not be less than 33% of the total area of the site. Greenbelt with tall growing trees shall be developed along the boundary of the site																																																															
VI	Raw materials shall be transported in covered trucks. Raw materials shall be stored under sheds. All the belt conveyors shall be covered with G.I. sheets. Appropriate dust extraction cum collection system will be provided for raw material handling and conveyor system. All the roads in the plant area shall be asphalted/concreted and water shall be sprinkled to suppress the dust.																																																															
VII	Ambient air quality including ambient noise level must not exceed the standards stipulated under Notification dt. 16.11.2009 issued by MOEF & CC, GOI. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with APPCB. Data on ambient air quality should be regularly submitted to the Ministry including its Regional Office located at Chennai and the State Pollution Control Board/Central Pollution Control Board once in six months.																																																															
b) Water Pollution	<p>The details of water consumption, wastewater generation, treatment and disposal are as follows:</p> <table border="1"> <thead> <tr> <th>S.no.</th><th>Purpose</th><th>Water consumption (ltd)</th><th>Wastewater generation (ltd)</th><th>Treatment facilities</th><th>Disposal option</th><th>Discharge standard</th></tr> </thead> <tbody> <tr> <td>1</td><td>Rawwater treatment plant (backwash)</td><td>10</td><td>10</td><td></td><td></td><td></td></tr> <tr> <td>2</td><td>Process</td><td>830</td><td></td><td></td><td></td><td></td></tr> <tr> <td>3</td><td>Boiler</td><td>32</td><td>5</td><td>Conventional ETP, RO, Shredder/NEE, AFD</td><td>Recycled</td><td>Standard notified by MOEF and CPCB</td></tr> <tr> <td>4</td><td>Cooling tower</td><td>350</td><td></td><td></td><td></td><td></td></tr> <tr> <td>5</td><td>Washing</td><td>80</td><td>75</td><td></td><td></td><td></td></tr> <tr> <td>6</td><td>Domestic</td><td>80</td><td>60</td><td>STP</td><td>Reuse for flushing, utilities etc</td><td>Standards notified by MOEF and CPCB</td></tr> <tr> <td>7</td><td>Godwinning</td><td>215</td><td></td><td></td><td></td><td></td></tr> <tr> <td>Total</td><td></td><td>1592</td><td>180</td><td></td><td></td><td></td></tr> </tbody> </table> <p>Rainwater harvesting structures are provided for both roof water and storm water. Groundwater being recharged by making necessary structures through CSR activities</p> <p>The same has been noted and provided</p> <p>i) The proponent shall provide separate storm water drains and harvest the rain water from the rooftops to recharge the ground water</p> <p>ii) The industry shall provide dual plumbing system for utilization of treated domestic effluents</p>	S.no.	Purpose	Water consumption (ltd)	Wastewater generation (ltd)	Treatment facilities	Disposal option	Discharge standard	1	Rawwater treatment plant (backwash)	10	10				2	Process	830					3	Boiler	32	5	Conventional ETP, RO, Shredder/NEE, AFD	Recycled	Standard notified by MOEF and CPCB	4	Cooling tower	350					5	Washing	80	75				6	Domestic	80	60	STP	Reuse for flushing, utilities etc	Standards notified by MOEF and CPCB	7	Godwinning	215					Total		1592	180			
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vii) Four ambient air quality monitoring systems should be established in the core zone as well as in the buffer zone for RSPM, SPM, PN10, PM2.5, SO2, NOx, Ammonia, VOCs monitoring. Location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the SPCB	It is noted and is being complied
viii) Data on ambient air quality (RPM, SPM, PM10, PM2.5, SO2, NOx, Ammonia, VOCs) should be regularly submitted to the Ministry including its regional office located at Chennai and the SPCB/CPCB once in 6 months	It has been noted and is being complied
viii) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects	Personal Protective equipment (Helmets, Safety shoes, Gloves, Masks, Goggles etc.) shall be provided along with proper training about the same.
ix) Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	It is noted and is being complied
x) A separate environmental management cell with suitable, qualified personnel and with exclusive budget should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organisation	It has been noted and is being complied
xii) The funds of earmarked for environmental protection measures (Capital cost Rs. 600 lakhs and recurring cost of Rs. 50 lakhs/annum) should be kept in separate account and should not be diverted for other purpose. Yearwise expenditure should be reported to SEIAA, Ministry and its regional office located at Chennai	It has been noted and yearwise expenditure being submitted along with Environmental Statement
xiii) The Regional Office of MoEF & CC located at Chennai/APPCB monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the regional office by furnishing the requisite data/information/monitoring reports	It has been noted and shall be complied
xiii) The project proponent shall submit the copies of the environmental clearance to the Heads of the local bodies, Panchayats and Municipal bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt	It was noted and complied
xiv) The project authorities should advertise atleast in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the SPCB and SEIAA, A.P. This order shall be displayed in the website of the project proponent.	It was noted and complied
xv) The SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	It has been noted
xvi) Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010	It has been noted
xvii) The company shall undertake eco-development measures including community welfare measures in the project area	It has been noted and shall be complied
xviii) The proponent shall obtain all other mandatory clearances from respective departments	It has been noted and shall be complied
xix) Concealing the factual data or failure to comply with any of the conditions mentioned above may result in the withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986	It has been noted
xx) The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environmental protection	It has been noted
xxi) The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution)Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991, along with their amendments and rules.	It has been noted and shall be complied



For Asian Paints Ltd  
Rakesh Gupta  
Associate General Manager