



**Reliance**

**Industries Limited**

**Patalganga Manufacturing Division**

B-1 to B5, A3, MIDC Industrial Area, Patalganga - 410 220, Tal. Khalapur, Dist, Raigad, Maharashtra

Tel: 02192 - 356000/667000 Fax: 02192 356199

CIN Number L17110MH1973PLCO19786

**By E mail Submission**

**1<sup>st</sup> June 2022**

**To,**

**Additional Principal Chief Conservator of Forest**  
Ministry of Environment , Forests & Climate Change  
Regional Office , Western Central Zone ,  
New Secretariat Building, Civil Lanes,  
NAGPUR – 440001, Maharashtra

Respected Sir,

**Subject :** Half yearly EC Compliance report for the period October 2021 to March 2022.

Reference: EC granted by MOEF vide file no F.No. J-11011/224/2018-IA-II(I) dated 03.12.2020 issued for 'Expansion and Change in Product Mix by way of Debottlenecking and Modernization by M/s Reliance Industries Limited at Raigad, Maharashtra'

Sir,

Please find enclosed Half Yearly EC Compliance Report for the period October 2021 to March 2022 for the above Environment Clearance.

This is for your information and records please

Yours faithfully,

For **Reliance Industries Limited**

**Authorized Signatory**

## Reliance Industries Limited – Patalganga Manufacturing Division

Compliance status for the Environment Clearance Order No. F.No. J-11011/224/2018-IA-II(I) dated 03.12.2020 issued for 'Expansion and Change in Product Mix by way of Debottlenecking and Modernization by M/s Reliance Industries Limited at Raigad, Maharashtra', as on 31.03.2022.

Present Status of the Project : Under implementation

Sr. No.	Conditions of the Environment Clearance (EC)	Compliance of the EC conditions
<b>A. Specific Conditions</b>		
1	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Noted and is taken care of during project implementation
2	Total fresh-water requirement shall not exceed 16960 cum/day, proposed to be met from MIDC water supply. Necessary permission in this regard shall be obtained from the concerned regulatory authority.  The fresh-water requirement shall be reduced after installation	Yes Agreed for fresh water will not exceed 16,960 cum / day. Design of rainwater harvesting system under progress

N S Kamalapurkar – Head Environment  
Patalganga Manufacturing Division

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	of rainwater harvesting system in the unit/project area.	
3	Comprehensive water audit to be conducted on annual basis and report to the concerned Regional Office of MEF&CC. Outcome from the report to be implemented for conservation scheme.	Agreed
4	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Process Effluent are not allowed to mix with storm water, will be ensured in the project implementation .
5	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on	Yes it is being followed and requisite precautions are taken

**N S Kamalapurkar – Head Environment  
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	tank farm, and solvent transfer to be done through pumps.	
6	<p>Process organic residue and spent carbon, if any, shall be sent to cement industries.</p> <p>ETP sludge, process inorganic &amp; evaporation salt shall be disposed off to the TSDF.</p> <p>The ash from boiler shall be sold to brick manufacturers / cement industry.</p>	<p>Noted. Presently project under implementation. It will be followed after the commissioning of the project take place.</p> <p>Project does not have Coal fired boiler/s.</p>
7	Regular VOC monitoring shall be done at vulnerable points.	Online VOC monitor has been installed in CAAQMS and LDAR program implemented for VOC Monitoring
8	The oily sludge shall be subjected to melting pit for oil recovery and the residue shall be bio-remediated. The sludge shall be stored in HDPE lined pit with proper leachate collection system	Noted . Presently project is under implementation.

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9	Oil catchers/oil traps shall be provided at all possible locations in rain/ storm water drainage system inside the factory premises.	Noted.
10	<p>The company shall undertake waste minimization measures as below:</p> <p>a. Metering and control of quantities of active ingredients to minimize waste.</p> <p>b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.</p> <p>c. Use of automated filling to minimize spillage.</p> <p>d. Use of Close Feed system into batch reactors.</p> <p>e. Venting equipment through vapour recovery system .</p> <p>f. Use of high pressure hoses for equipment cleaning etc. to reduce wastewater generation .</p>	<p>a) Yes it is in design of the Plant b) Pipeline is being used for Transfer of Raw Material to RIL PMD Site from HPCL /BPCL Refineries and after taking out the “requisite cut” rest of Material is sent back to HPCL / BPCL refineries .c) yes Automated filling followed. d) Not applicable.</p> <p>e) In tank farm Vapor recovery system installed. f) High pressure hoses used during turn around for cleaning the Equipment</p>

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11	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road-sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	Plantation completed .
12	As proposed, Rs 5.76 crores shall be allocated for Corporate Environment Responsibility (CER) shall be utilized for meeting the commitment of the social-economic issues and as per the proposed action plan. The CER plan shall be completed within three year of the proposed project.	Will be done
13	The project proponent shall ensure 70% of the employment to the local people, as per the applicable law. The project proponent shall set up a skill development centre/provide skill	Noted and already being practiced.

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	development training to village people.	
14	A separate Environmental Management Cell (having qualified person with Environmental Science/ Environmental Engineering / specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Already in place
15	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	At RIL PMD we have full fledged fire fighting systems in place along with competent staff . We also have 2 full fledged Fire Stations to respond in case of Emergency.

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16	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. In case of the treated effluent to be utilized for irrigation/ gardening, real time monitoring system shall be installed at the ETP outlet.	<ul style="list-style-type: none"><li>• It will be implemented for the new Stack.</li><li>• For Existing stacks already installed.</li></ul>
17	PP to set up occupational health Centre for surveillance of the worker 's health within and outside the plant on a regular basis. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.	Occupational Health Centre already in place
18	The National Emission Standards for Petrochemical (Basic & Intermediates) issued by the Ministry vide G.S.R. 820 (E) dated	Noted and followed



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	9th November, 2012 as amended time to time shall be followed.	
19	Recommendations of mitigation measures from possible accident shall be implemented based on advanced risk Assessment studies conducted for worst case scenarios using latest techniques	The Plant was commissioned in the year 1988 . Hence the requisite worst case scenarios are taken care . Monthly Mock drills are conducted for the complex.
20	The project proponent shall develop at least 1 MW green energy/solar energy	The 1 .5 MW solar power project implemented outside PMD Complex
<b>13.1. General Conditions</b>		

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1	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/ SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Will be followed
2	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Offices, control rooms etc and street lights are converted into LED. Plant lighting approx. 25% converted into LED and planned to complete balance in next 3 years

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3	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 the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Ambient Noise levels are well within the prescribed limits. Monthly monitoring conducted through MOEF recognized Laboratory / consultant
4	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Yes will be followed



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7	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&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six-monthly compliance status report shall be posted on the website of the company.	Yes will be followed
8	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 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	Environment Statement is submitted to State Pollution Control Board Yearly.

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	clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	
9	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 and at <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular	Completed by advertising in the Local language and English Language news papers within 7 days of receiving the Environment Clearance.

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	language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	
10	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.	Noted
11	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Noted

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