Sr. No.	Specific Conditions	Status of Compliance as per Letter from MoEF dated 23.09.2013.	Remarks
1	The gaseous emissions (SO2, NOx, NH3 & HCI) and particulate matter from various process units shall confirm to the standards prescribed by authority. At no time the emissions shall exceed the prescribed limits. Stack height shall be as per CPCB guidelines. In the event of failure of any pollution control system adopted by the unit, the unit shall be put out of operation until the desired efficiency has been achieved.	Partly Complied: It was submitted that emissions are within prescribed standards. Stacks are	1) Gas Turbine stacks are regularly analysed by MOEF Recognised Laboratory. Latest analysis reports attached at <u>Annex 1</u>
2	AAQ monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentrations are anticipated in consultation with the MPCB.	Complied . Three numbers of online Ambient air monitoring stations were installed & in operation as per NAAQMS norms and connected to MPCB control room as submitted.	Continued to maintain. <u>Annex 2 -</u> AAQMS Average Values
3	Fugitive emissions in the work zone environment, product and raw material storage area shall be regularly monitored. The emissions shall confirm to the limits imposed by SPCB / CPCB.	emissions are being monitored regularly and confirmed within SPCB/CPCB norms. The monthly	area. Location report attached as

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4	Total water requirement should not exceed 2800 m3/day as per permission accorded by MIDC. Further, efforts shall be made for further conservation of water and utilization of waste water.	Complied: It was observed from the records & learnt during the visit that consumption of water is within limits.	Continued to maintain.
5	The effluent generation shall not exceed 667 m3/day. All the effluent shall be treated in the ETP and shall be monitored for the pH, SS, TDS, O & G, BOD, COD, Phosphates & ammonical Nitrogen & other relevant parameters. All the treated effluent shall be sent to CETP at Taloja for further treatment. The domestic effluent shall be treated in the existing Sewage Treatment Plant.	Complied : It was observed from records & learnt during the visit that generation of effluent is within limits. The monitoring reports, as submitted, do not show any anomaly.	Continued to maintain.

6	The company shall undertake following Waste Minimisation measures: * Metering and control of quantities of active ingreditents to minimise waste * Reuse of by-product from the process as raw materials or as substitutes in other products. * Use of automated filling to minimize spillage * Use of close feed system into batch reactor * Venting equipment through vapour recovery system * Use of high pressure hoses for equipment cleaning to reduce waste water generation	that certain measures like, Metering and control of quantities of active ingreditens, close feed system, use of high pressure hoses for equipment cleaning etc. have been implemeted. Indeed, no comparative details for minimization of generation of waste reuse of by-products etc., were made available.	As noted metering and control of active ingredient is already in place. Moreover the company has taken detailed exercise in reuse of waste/byproducts 1) Sale of DIPE since 2006. 2) DM plant alkaline regeneration water is recycled to cooling tower. (Since 2011). 3) Process effluent from IPA plant after treatment in a aerobic digester is recycled as Cooling tower make up . 4)Propane is recovered from propylene supply, which is sold as byproduct. 5)Steam is recovered in HRSG system from all GTs
	The solid waste generated in the form ETP sludge shall be stored in HDPE lined secured landfill at the site. Spent catalyst and used oil shall be sold to authorised re-processer.	Partly Complied: PA has submitted that ETP sludge is disposed at TSDE as per condition and spent cataluyst and used oil shall be sold to authorised re-processor. However, details were not submitted	Form 4 submitted to MPCB (Hazardous Waste Returns for 2015-16) is attached as <u>Annex:4</u>
8	The PA shall strictly comply with the rules and guidelines under MSIHC Rules, 1989 as amended in October, 1994 and January 2000 and HWMH Rules, 2003 as amended from time to time. Authorisation from the SPCB shall be obtained for collection, treatment, storage and disposal of hazardous wastes.	Partly Complied: It was submitted that provision of MSIHC Rules have been followed. Sensors were installed for ammonia, chlorine, IPA &	In case of Emergency, Escape Routes are identified towards assembly points. Boards displayed on the roads at various locations.

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9	Company shall develop surface/roof top rain	Not Complied. PA has not complied this condition.	Process of Implementation of
0	water harvesting structures to harvest runoff		Roof Top Rain Water Harvesting is
	water for recharge of ground water.		in progress.
10	Development of green belt area (25%) of the plant area to mitigate the effcts of fugitive emission all around the plant. Development of green belt shall be as per CPCB guidelines.	Partly Complied. PA has claimed that 33% of available open land is under green cover. However, it was observed that development of green belt is unsatisfacotry although few hundred saplings have been grown. GB development plan was submitted after the visit. Other details such as expenditure, survival rate, species names etc., were not submitted.	Green development and plantation photograph, expenditure, survival and species details are attached <u>Annex:5</u>
11	•	Complied: It was submitted that all the employees have been provided medical facilities as per Factories Act.	Continued to maintain.
Sr. No.	General Conditions	Status	
1	PA shall strictly adhere to the stipulations made by the MPCB	Partly Complied . The production, consumption of water & generation of effluent were found within limits as per reports submitted. However, submission of quantitave details of generation & disposal of HW, water balance, monitoring mechanism and six monthly compliance reports were not in accordance of conditions.	 Generation and disposal of Haz Waste report attached in Annex3 Cess return copy attached as <u>Annexure 6</u> showing details of water balance of consumption & effluent generation which is much below the MPCB consent limit. The above items are monitored and monthly reports are submitted regularly to MPCB.

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2	At no time the emissions shall exceed the	Partly Complied. Although monitoring of stacks &	Periodic testing of Gas turbine
	prescribed limits. In the event of failure of any	AAQ have been carried out regularly but online	Heat Recovery and Steam
	pollution control system adopted by the unit,	monitoring are not carried out to ensure emission	Generation stacks by third party
	the unit shall be put out of operation until the	within limits at all time.	(MoEF Approved) is carried out.
	desired efficiency has been achieved.		Reports attached as Annex:1.
			Actions are initiated for
			procurement and installation of
			online monitoring system for Heat
			Recovery and Steam Generation
			stacks.
3	No further expansion or modificaiton in the	Agreed to Comply. PA has assured to abide by	Noted and being followed.
	plant should be carried out without prior	the condition.	
	approval of this ministry. In case of deviation in		
	the project, a fresh reference shall be made to		
	the ministry to assess the adequqncy of		
	conditions imposed.		
4	The overall <u>noise levels</u> in and around the plant	Complied . The monitoring reports do not show	Continued to maintainNoise
	area shall be kept within the standards by	anomaly.	level measurement reports
	providing noise control measures including		attached as Annexure-7
	acoustic hoods, silencers, enclosures, etc. The		
	ambient noise levels shall conform to the		
	standards prescribed under the EP Act, 1986		
	Rules, 1989 viz. 75 dBA (day time) and 70 dBA		
	(night time).		

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5	The PP shall also comply with all the environmental protection measures and safeguards proposed in the EIP / EMP report.	Partly Complied . Although PA has claimed that condition is complied but monitoring of fugitive emissions, rainwater harvesting, online monitors are yet to be achieved.	 For control of fugitive emmissions on line leak detectors Hydrocarbon/LEL are placed at strategiec locations in IPA Plant: Locations and Gas turbine area one each. Ref Annex;2 Process of Implementation of Roof Top Rain Water Harvesting is in progress. On line monitors for NOx are fixed in Nitric Acid plants.
6	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry-out the Environmental Management and Monitoring functions.	Complied : It was submitted that EMC has been functional at site which is headed by DGM.	Continued to maintain.
7	The PP shall earmark adequate funds to implement the conditions stipulated by the Ministry of Envornoment and Forest as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Partly Complied . It was submitted that fund is utilised for implementation of environmental safeguard but details were not submitted	Budget and expenditure for EHS function is attached as <u>Annex: 8</u>
8	The Company shall undertake welfare measures and community development measures for the local people in the vicinity of project area.	Partly Complied : IT was submitted that CSR activities were carried out through Ishanya Fondation Trust for rural development, women employment, health & education. However, details were not submitted.	CSR report copies for years 11- 12,12-13,13-14 and 14-15 attached as <u>Annex:9</u>

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9	The implementation of the project vis-vis	Not Complied: Six monthly compliance reports	Six monthly compliance reports
	environmental action plan shall be monitored by	were not submitted.	are being sent to state and centra
	the concerned Regional Office of the Ministry /		MOEF office. <u>Annexure 10</u> - Last
	SPCB / CPCB six monthly compliance status		four reports submitted to MOEF
	reports shall be submitted to monitoring		are attached.
	agencies.		
10	The PP shall inform the public that the project has been accorded environmental clearance by	Complied . PA has advertised regarding grant of EC as per the condition and copies have been	Continued to maintain.
	the Ministry and copies of the letters are	submitted to the Ministry.	
	available with the SPCB / Committee and may		
	also be seen at website of the Ministry at http://		
	envfor.nic.in. This shall be advertised within		
	seven days from date of issue of the clearance		
	letter atleast in two local news papers that are		
	widely circulated in the region of which one		
	shall be in the vernacular language of the		
	locality concerned and the copy of the same		
	shall be forwarded to ministry.		
11	The project authorities shall inform the Regional	-	submitted through DATA Sheet,
	Office as well as Ministry, the date of financial	financial closure and approval as per the	copy attached as <u>Annex 11</u>
		condition.	
	concerned authorities and the date of start of		
	the project.		
12	The Ministry may revoke or suspend the	Agreed to Comply: PA has assured to abide by this	Noted and being followed.
	clearance if implementation of any of the above	condition.	
	condiitions is not satisfactory.		
13	The Ministry reserves the right to stipulate	Agreed to Comply. PA has assured to abide by	Noted and being followed.
	additional conditions, if found necessry. The	the condition.	
	company in a time bound manner will		
	implement these conditions.		

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14	The above conditions shall be enforced, inter- alia under the provisions of the Water	Complied . It is evident from the above that the implementation of environmental safefuards need	Continued to maintain. <u>Annexure-</u> 12
	(Prevention and Control of Pollution) Act, 1981,	sincere efforts. Moreover, submitssion of	—
	the Environment (Protection) Act, 1986,	analytical reports and compliance needs	
	Hazardous Wates (Management and Handling)	attention. PA has obtained a policy under PLI Act	
	Rules, 2003 and the Public Liability Insurance	as submitted.	
	Act, 1991 along with their amendments and		
	rules.		
OTHER	CONDITIONS OF EC DATED 11.5.2011 FOR THERM	IAL PROJECT ISSUED BY SEAC	
1	Periodic monitoring of ground water shall be	Not Complied. Although PA has claimed that	Ground water is analysed
	undertaken and results analyzed to ascertain	condition is being followed but neither location	periodically. The analysis has not
	any change in the quality of water. Results shall	were shown during the visit nor were analytical	shown any variation in water
	be regularly submitted to the Maharashtra	reports of ground water and its periodicity	quality. The latest reports are
	Pollution control board.	submitted.	attached for your kind reference.
			Annex 13
2	The company shall make the arrangement for	Complied. It was submitted that adequate	Continued to maintain.
	protection of possible fire hazards during	measures have been taken to prevent possible fire	
	manufacturing process in material handling.	hazards.	
 3	Regular mock drills for the on-site emergency	Partly Complied. Although on-site emergency	Mock drills for On site emergency
	management plan shall be carried out .	plan has been prepared and mock drills are	are conducted regularly. Report of
	Implementation of changes/improvements	conducted as submitted but reports were not	such exercise are submitted to
	requried, if any, in the onsite management plan	submitted. Moreover, escape route leading to	Directorate of Industrial Safety
	shall be ensured.	assembly points was also not identified and	And Health (DISH). The latest five
		marked at ground level.	reports are attached. Annex 14
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4	A copy of the clearnace letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom 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.	Complied . It was submitted that EC has been uploaded on the wbsite of the company any meeting for local NGOs and social workers were arranged for local partticipation on environmental awareness.	Continued to maintain.
5	The proponent shall upload the status of complliance of the stipulated EC conditions, including results of monitored data on their 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 SPCB. The criteria pollutant levels namely; SPM, RSPM, SO2, NOX (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient placelocated near the main gate of the company in the public domain.		DFPCL Website is updated with compliance reports including analysis reports. Ambient air monitoring stations not only have a display at Factory gate, but it is also linked to MPCB server. (Refer Annex-2)

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year mano prop Contr Envir amer webs comp	r ending 31st March in Form V as is indated to be submitted by the project bonent to the concerned State Pollution trol Board as prescribed under the ironment (Protection) Rules, 1986, as ended subsequently, shall blso be put on the bsite of the company along with the status of apliance of EC conditions and shall also be t to the respective Regional Offices of MoEF	uploaded Environmental Statement for financial year ending 31 st March in Form V as per condition. Moreover, EC compliance without analytical reports which were recently submitted to the ministry has been uploaded.	Environmental Statement in the form V for 2014-15 is submitted on MPCB website on 15 th September, 2015. Status of Compliance of EC alongwith analytical reports is being despatched to Regional Office Bhopal. Statement copy attached as <u>Annex 15</u>
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