

Chambal Fertilisers and Chemicals Limited
CFG3 Project
Consent to Establish_ Compliance Report _05.03.2018

Reference: Consent to Establish (CTE) granted by Rajasthan State Pollution Control Board (RPCB) vide letter no. F(PLG)/Kota/Digod/4(1)/2012-2013/5444-5446 dated 24/09/2012 and further extended till 31/07/2018 vide letter no. F.14(Kota-2)/Tech/Plg/RPCB/188-190 dated 20/07/2015.

A. SPECIFIC CONDITIONS:

Clause No.	Description	Status as on Date															
Point No.(1)	That this consent to establish is valid for a period from 01/08/2015 to 31/07/2018 or date of Commencement of production / commissioning of the project or activities whichever is earlier.	Noted. Project proponent has applied for Consent to operate (CTO) for CFG3 project CFCL Unit-III plants on 25-Aug-2017 to RSPCB.															
Point No.(2)	That this consent is granted for manufacturing / producing following products / by products or carrying out the following activities or operation/processes or providing following services with capacities given below.	Noted and shall be complied.															
	<table border="1"> <thead> <tr> <th>Particular</th> <th>Type</th> <th>Quantity/Capacity</th> </tr> </thead> <tbody> <tr> <td>Ammonia</td> <td>Product</td> <td>2,200.00 MTPD</td> </tr> <tr> <td>Captive Power Generation</td> <td>Activity</td> <td>18.0 MW</td> </tr> <tr> <td>Heat Recovery Steam Generator</td> <td>Activity</td> <td>100.00 TPH</td> </tr> <tr> <td>Urea</td> <td>Product</td> <td>4000.00 MTPD</td> </tr> </tbody> </table>	Particular	Type	Quantity/Capacity	Ammonia	Product	2,200.00 MTPD	Captive Power Generation	Activity	18.0 MW	Heat Recovery Steam Generator	Activity	100.00 TPH	Urea	Product	4000.00 MTPD	
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Point No.(3)	That in case of any increase in capacity or addition / modification / alteration or change in product mix or process or raw material or fuel the project proponent is required to obtain fresh consent to establish.	Noted. No additions / alterations are made.															
Point No.(4)	That the control equipment as proposed by the applicant shall be installed before trial operation is started for which prior consent to operate under the provision of the Water Act and Air Act shall be obtained. This consent to establish shall not be treated as consent to operate.	Noted. Project proponent has applied for Consent to operate (CTO) for CFG3 project CFCL Unit-III plants on 25-Aug-2017 to															

				RSPCB.	
Point No.(5)	That the quality of effluent generation and disposal along with mode of disposal for the treated effluent shall be as under.			Noted and shall be complied	
	Type of effluent	Max. effluent generation (KLD)	Quantity of effluent to be recycled (KLD)		Quantity of treated effluent to be disposed (KLD) and mode of disposal
	Trade Effluent	3077.00	3077.00		NIL
	Domestic Sewage	288.00	NIL		288.00 STP and Gardening/Plantation
Point No.(6)	That the sources of air emissions along with pollution control measures and the emission standard for the prescribed parameters shall be as under.			Noted. CFCL has requested RSPCB to amend specified NOx emissions from DG set to 710 ppmv as per CPCB guidelines. An early amendment is requested.	
	Source of Air Emissions	Pollution control Measures	Prescribed		
			Parameter		Standard
	D.G Set (3000 KVA)	ACOUSTIC ENCLOSURE, Stack	NOx (as NO ₂)(at 15% O ₂)dry basis in ppmv		360
			NMHC (as C) (at 15% O ₂)		100 mg/Nm ³
			PM (at 15% O ₂)		75 mg/Nm ³
CO (at 15% O ₂)			150 mg/Nm ³		
Heat Recovery Steam Generation Stock (With CPP)	Stack	NOx	100 mg/Nm ³		
Prilling Tower	Stack	Particulate matter	50mg/Nm ³ or 0.5 kg/MT of urea		
		Ammonia	175 mg/Nm ³		

	Primary reformer flue stack	Stack	--	--	
Point No.(7)	That the Unit-III plant will comply with the standards as prescribed vide MoEF notification No.GSR 826 (E) dated 16 th November, 2009 with respect to National Ambient Air Quality standards.				Noted.
Point No.(8)	That the trade effluent shall be treated before disposal so as to confirm to the standards prescribed under the Environment (Protection) Act-1986 for disposal into inland Surface water. The main parameters for regular monitoring shall be as under.				Noted and shall be complied.
	Parameters		Standards		
	Total suspended solids		Not to exceed 100 mg/l		
	Oil and Grease		Not to exceed 10 mg/l		
	Ammonical Nitrogen (as N)		Not to exceed 50 mg/l		
	Total Kjeldahl Nitrogen (as N)		Not to exceed 100 mg/l		
	BOD (3 days at 27°C)		Not to exceed 30 mg/l		
	Nitrate Nitrogen		Not to exceed 10 mg/l		
	COD		Not to exceed 250 mg/l		
	PH		6.5-8.0		
Point No.(9)	That the industry shall also comply the standards prescribed for treated effluent and air emission prescribed for fertilizer industry (Nitrogenous) under environment (protection) Rules, 1986.				Noted and shall be complied.
Point No.(10)	That the industry shall comply with the emission standards prescribed for Diesel Engines (more than 800 KW) for power plant, Generator Set application and other requirements as specified under environment (Protection) Rules,1986.				Noted.
Point No.(11)	That the industry shall comply with all the conditions of Environmental clearance issued by MoEF, Govt of India, vide their letter dated 22/04/2010 and the corrigendum dated 10/06/2011.				Noted, the mentioned conditions are being complied.

Point No.(12)	That the total water requirement of the proposed expansion (Unit-III) shall not exceed to 754 m ³ /hr for which fresh water obtained from river Kali Sindh shall not exceed 554 m ³ /hr. The balance water requirement i.e. 200 m ³ /hr shall be met by recycling of the process effluent of the existing and proposed unit through Effluent Treatment Plant and Reverse Osmosis Plant of adequate capacity.	Noted and shall be complied.
Point No.(13)	That the reverse Osmosis plant reject shall be disposed through evaporation and the residue shall be disposed in accordance with the provisions of Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008.	Noted. Multi-effect evaporator (MEE) type ZLD unit is being installed for disposal of reject from RO unit.
Point No.(14)	That the water consumption and the waste water generation shall not exceed to 8 m ³ /MT and 5 m ³ /MT respectively of urea produced. The waste water generated from all sources shall be adequately treated and recycled back into the process so as to maintain the zero discharge conditions.	Noted and shall be achieved as directed.
Point No.(15)	That the industry shall not discharge any process effluent within and outside the proposed Unit-III and shall maintain the zero discharge condition.	Noted and shall be complied.
Point No.(16)	That the domestic effluent (288 KLD) shall be treated upto the Stream standards prescribed under Environment (Protection) Rules, 1986 with adequately designed Sewage Treatment Plant (STP) or by expanding the capacity of the existing STP. The treated effluent shall be utilized for plantation within the premises.	Noted and shall be complied. New STP with design to meet applicable guidelines is under construction.
Point No.(17)	That the industry to install water meters at appropriate places for monitoring and recording of the intake of fresh water from the river Kali Sindh, generation of waste water from different section, inflow and outflow to ETP, recycled water taken to process from R.O., generation of the reject of R.O. taken for evaporation.	Noted. Water meters have been installed.
Point No.(18)	That the total intake of the water from river Kali Sindh shall not exceed the quantity permitted by the competent authority/state government.	Noted and shall be complied.
Point No.(19)	That the industry shall comply with all the standards of emissions as prescribed in Environmental Protection Rules-1986 for fertilizer industry and for gas based Captive Power plant.	Noted and shall be installed.

Point No.(20)	That the requisite air pollution control measures shall be kept operational all the time and the industry shall provide the online monitoring system for continuous monitoring of the pollutants as well as to ensure the compliance of emission standards.	Noted and Online monitoring systems (for emissions and effluent stream) installation is under progress and same shall be connected to State Board server as soon as these units' operation is stabilized.
Point No.(21)	That industry shall provide and maintain the necessary and safe infrastructural facilities for the monitoring of stack emissions in accordance with the suggestions given time to time by the State Board.	Noted and being taken care as per RPCB advice.
Point No.(22)	That the industry shall provide adequate and safe height of stack (s) attached with the processes as proposed in the application with Primary Reformal flue Stack (40m),Heat Recovery Steam Generator stack (30m), Prilling Tower (130m) and 3000 KVA D.G. set stack (30m).	Noted and shall be complied for all mentioned stacks.
Point No.(23)	The industry shall provide proper channelisation and control arrangements / systems for the fugitive emissions from the process / material handling/other activities so that the ambient air quality shall achieve the standard prescribe as per condition no.7.	Noted and shall be complied.
Point No.(24)	That the industry shall install aquastic enclosure for the proposed D.G set of 3000 KVA and shall also provide the stack of adequate height.	Noted and shall be complied. DG set is equipped with acoustic enclosure.
Point No.(25)	That the industry shall comply with all the provisions of Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 and shall take the authorization under the same from the State Board.	Noted and shall be complied.
Point No.(26)	That the industry shall provide ambient air quality stations at the peripheri of the factory premises for the monitoring of SPM, SO2, NOx, CO, RSPM & NH3.The location of these monitoring stations shall be decided in consultation with Regional Officer, Kota.	Noted and complied with.
Point	That the industry shall not provide any additional storage for	Noted. As directed,

No.(27)	Ammonia. The existing ammonia storage (2 x 5000 MT) to be utilized to meet the requirement of the Ammonia storage of expansion (Unit-III).	no additional storage is being made.
Point No.(28)	That the industry shall comply with the condition of consent to operate granted vide Board's letters dated 26/07/2011 for existing Unit-I for production of Ammonia (2000 MTPD) & Urea (3500 MTPD) and Unit-II for production of Ammonia (1900 MTPD) and Urea (3300 MTPD).	All the consent conditions are being complied for existing Unit-I & Unit-II.
Point No.(29)	That, notwithstanding anything provided herein above, the state board shall have the power and reserves its right, as contained under section 27 (2) of the Water Act and under section 21(6) of the Air Act to review anyone or all the conditions imposed here in above and to make such variations as it deemed fit for the purpose of compliance of the Water Act and Air Act .	Noted.
Point No.(30)	That the grant of this Consent to Establish is issued from the Environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time –being in force, rests with the industry /unit/project proponent.	Noted.
Point No.(31)	That the grant of this Consent to Establish shall not, in any way, adversely affect or jeopardize the legal proceedings, if any, instituted in the past or that could be instituted against you by the State Board for violation of the provisions of the Act or the rules made there under.	Noted.