

Sr. No.	Industry	Parameter	Standards	
1	2	3	4	
17.	FERTILIZER INDUSTRY	Concentration in the effluent not to exceed milligramme per litre (except for pH)		
		<u>EFFLUENTS</u>	Plants	Plants
		- Straight Nitrogenous Fertilizers, Excluding the Calcium Ammonium Nitrate and Ammonium Nitrate Fertilizers	Commissioned January 1, 1982 onwards	Commissioned Prior to January 1, 1982
			(a)	(b)
		pH	6.5 – 8.0	6.5 – 8.0
		Ammonical Nitrogen	50	75
		Total Kjeldahl Nitrogen	100	150
		Free Ammonical Nitrogen	4	4
		Nitrate Nitrogen	10	10
		Cynide as CN	0.2	0.2
		Vanadium as V	0.2	0.2
		Arsenic as As	0.2	0.2
		Suspended solids	100	100
		Oil and Grease	10	10
		*Hexavalent Chromium as Cr.	0.1	0.1
		*Total Chromium as Cr.	2.0	2.0
		Straight Nitrogenous Fertilizers, including Calcium Ammonium Nitrate and Ammonium Nitrate Fertilizers	Plants Commissioned January 1, 1982 onwards	Plants Commissioned prior to January 1, 1982

* To be complied with at the outlet of Chromate removal unit.

Sr. No.	Industry	Parameter	Standards	
			(a)	(b)
1	2	3	4	
			(a)	(b)
		pH	6.5 – 8.0	6.5 – 8.0
		Ammonical Nitrogen	50	75
		Total Kjeidahl Nitrogen		150
		Free Ammonical Nitrogen	4	4
		Nitrate Nitrogen	20	20
		Cynide as CN	0.2	0.2
		Vanadium as V	0.2	0.2
		Arsenic as As	0.2	0.2
		Suspended solids	100	100
		Oil and Grease	10	10
		*Hexavalent Chromium as Cr	0.1	0.1
		*Total Chromium as Cr	2.0	2.0
		Complex Fertilizers excluding Calcium Ammonium Nitrate, Ammonium Nitrate & Ammonium Nitrophosphate Fertilizers	Plants Commissioned January 1, 1982 onwards	Plants Commissioned prior to January 1, 1982
			(a)	(b)
		pH	6.5 – 8.0	6.5 – 8.0
		Ammonical Nitrogen	50	75
		Free Ammonical Nitrogen	4	4
		Total Kjeldahl Nitrogen	100	100
		Nitrate Nitrogen	10	10

* To be complied with at the outlet of Chromate removal unit.

Sr. No.	Industry	Parameter	Standards	
1	2	3	4	
		Cynide as CN	0.2	0.2
		Vanadium as V	0.2	0.2
		Arsenic as As	0.2	0.2
		Phosphate as P	5	5
		Suspended solids	100	100
		Oil and Grease	10	10
		* Fluoride as F	10	10
		** Hexavalent Chromium as Cr	0.1	0.1
		** Total Chromium as Cr	2.0	2.0
		Complex Fertilizers including Calcium Ammonium Nitrate, Ammonium Nitrate & Ammonium Nitrophosphate Fertilizers	Plants Commissioned January 1, 1982 onwards	Plants Commissioned prior to January 1, 1982
			(a)	(b)
		pH	6.5 – 8.0	6.5 – 8.0
		Ammonical Nitrogen	50	75
		Free Ammonical Nitrogen	100	100
		Nitrate Nitrogen	20	20
		Cynide as CN	0.2	0.2
		Vanadium as V	0.2	0.2
		Arsenic as As	0.2	0.2

* To be complied with at the outlet of fluoride removal unit. If the recipient system so demand, fluoride as F shall be limited to 1.5 mg/l.

** To be complied with at the outlet of Chromate removal unit.

Sr. No.	Industry	Parameter	Standards
1	2	3	4
		Phosphate as P	5
		Oil and Grease	10
		Suspended Solids	10
		* Fluoride as F	10
		** Hexavalent Chromium as Cr.	0.1
		**Total Chromium as Cr	2.0
		Straight Phosphate Fertilizers	
		pH	7.0 –9.0
		Phosphate as P	5
		Oil and Grease	10
		Suspended Solids	100
		*Fluoride as F	10
		**Hexavalent Chromium as Cr	0.1
		**Total Chromium as Cr	2.0
	Emissions		
	Phosphatic Fertilizers (Fluorides and Particulate matter emission)	Phosphorice acid manufacturing unit Granulation mixing and grinding of rock phosphate	25 milligramme per normal cubic metre as total Fluoride 150 milligramme per normal cubic metre of particulate matter.
	Urea (Particulate matter emission)	Pricing tower Commissioned prior to 01.01.1982 Commissioned after 1.1.1982	150 milligramme per normal cubic metre of 2 kilogramme per tone of product. 50 milligramme per normal cubic metre or 0.5 kilogramme per tonne of product

* To be complied with at the outlet of fluoride removal unit. If the recipient system so demand, fluoride as F shall be limited to 1.5 mg/l.

** To be complied with at the outlet of Chromate removal unit.