

EC F NO J-11011/320/2012-IA II(I) for NPK Fertilizer Manufacturing Unit 6 Lakhs MTPA dated 12.10.2015		
A	(A) SPECIFIC CONDITIONS:	Status of Compliance as per EC from MoEF for NPK- <u>29.05.17</u>
i)	All the conditions stipulated in environmental clearance J-11 011/218/2004-IA (II) dated 24 th February, 2006 and SEAC-2010/CR.656/TC.2 dated 11 th May, 2011 accorded for the existing projects shall be implemented.	EC Compliance for IPA and GT - 3,4,5 are complied with. Compliance reports are being sent to MoEF every six months.
ii)	The project proponent shall follow guidelines and policies of the State Government w.r.t. The river regulation zone for conservation of river. State Pollution Control Board shall issue the consent to establish/consent to operate after complying the guidelines for the location of unit from river.	Guidelines and policies of State Government w.r.t river regulations are being followed up. Consent to operate has been issued by MPCB for IPA and GT 3,4&5. Recently State Govt has withdrawn RRZ policy for Kasardi River.
iii)	Ammonia bearing fumes from the reactor and granulator of the Complex Fertilizer shall be scrubbed. Scrubbing shall have interlocking system with main plant.	Two stage Scrubber is provided for scrubbing of fumes from reactor & granulator with interlock in DCS, with main plant.
iv)	The gaseous emissions (SO ₂ , NO _x , NH ₃ , HC and Fluoride) and particulate matter from various process units shall conform to the norms prescribed by the CPCB/SPCB from time to time. At no time, the emission levels shall go beyond the prescribed standards. Air emission shall be monitored online (24x7) by the Company. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Stack emissions shall be monitored regularly.	On line monitoring for ETP outlet and various stacks are installed. Communication with MPCB/CPCB is established. Stack monitoring is also carried through third party analysis. Continuous Online Ambient Air Quality Monitoring Stations (at three locations at 120 Degrees) are provided in the premises.
v)	Ambient air quality data shall be collected as per NAAQES standards notified by the the Ministry vide G.S.R. No. 826(E) dated 16th September, 2009. The levels of PM10 (Urea dust), SO ₂ , NO _x ; Ammonia, Ozone and HC shall be monitored in the ambient air and displayed at a convenient location near the main gate of the company and at important public places. The company shall upload the results of monitored data on its 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 Maharashtra Pollution Control Board (MPCB), Calibration of continuous ambient air quality monitoring stations shall be conducted quarterly.	Continuous Online Ambient Air Quality Monitoring Stations (at three locations at 120 Degrees) are provided in the premises. Data is displayed at main gate. Data is online connected to MPCB server. Calibration of continuous ambient air quality monitoring stations is conducted quarterly.

vi)	In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals / materials, multi cyclone separator and water sprinkling system. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions should conform to the limits stipulated by the MPCB.	Fugitive emissions from the vulnerable sources are connected to multi cyclone separator & scrubbers,. Fugitive emissions in the work zone environment will be monitored.
vii)	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	Adequate stack height for DG sets have been provided as per CPCB standards. Acoustic enclosure has been provided to the DG sets by OEM to mitigate the noise pollution.
viii)	Unit shall never store ammonia more than 10,000 Ton at the site. If eventuality arises and it needs to be emptied, the additional 3000 T ammonia storage to be kept standby and the rest of NH3 to be transported to JNPT site, where they store Imported ammonia.	Ammonia is always stored below 10,000 MT at the site. Additional 3,000 MT ammonia storage tank is provided at site.
ix)	Total water requirement shall not exceed 500 m ³ /day for the proposed unit and met from treated / recycled water.	Total water requirement for the proposed unit will be met from treated / recycled water.
x)	Industrial effluent shall be treated in effluent treatment plant (ETP) and recycled back in the process	Industrial effluent will be treated in effluent treatment plant (ETP) and recycled back in the process. Suitable RO is installed for recovery of process water from effluent.
xi)	No effluent shall be discharged outside the premises and 'Zero' effluent discharge shall be ensured.	There is no effluent discharge from NPK plant and 'Zero' effluent discharge will be ensured.
xii)	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Process effluent is not mixed with storm water and guard pond is provided.
xiii)	All the effluents after treatment shall be routed to a properly lined guard pond for equalization and final control. In the guard pond, automatic monitoring system (24x7) for flow, and relevant pollutants (i.e. pH, ammoniacal nitrogen, nitrate nitrogen etc) shall be provided with high level alarm system. Monitoring Data to be provided to	Online treated effluent quality monitoring system has been provided and data is connected online to MPCB server.
xiv)	Regular monitoring of ground water by installing peizometric wells around the guard pond and sludge disposal sites shall be periodically monitored and report shall be submitted to the concerned Regional Office of the Ministry, CPCB and SPCB	We do not have any sludge disposal site, however as per suggestion we are initiating actions for peizometric wells in the plant and ETP area.

xv)	The company shall construct the garland drain all around the project site to prevent runoff of any chemicals containing waste into the nearby water bodies. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards	Garland drain has been constructed all around the project site to prevent runoff of any chemicals containing waste into the nearby water bodies.
xvi)	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2008 and amended as on date for management of Hazardous wastes. Measures shall be taken for fire fighting facilities in case of emergency.	Application has been submitted online to MPCB for Consent to Operate on 13.09.2016. Consent received on 10.02.2017. Adequate fire fighting facility (fixed fire installtion, fire tenders, fire station) is provided to attend emergencies.
xvii)	Spent catalysts and used oil shall be sold to authorized recyclers/re-processors only	Spent catalysts and used oil will be sold to authorized recyclers/re-processors only.
xviii)	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as am-ended time to time. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989	MSIHC rule will be followed strictly, All Transportation of Hazardous Chemicals will be as per the Motor Vehicle Act (MVA), 1989. Various Transportation check lists attached.
xix)	Remote operated valve placed on NH3 line to avoid leakage/equipment check shall be performed to ensure that remote operated valve (ROV) is all time is functional.	Remote operated valve is placed on NH3 line to avoid accidental leakage, Ammonia flow/supply is controlled through remote operated valve through DCS.
xx)	The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).	The company follows all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).
xxi)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the OISD 117 norms.	Adequate Fire fighting system has been provided as per the TAC / OISD 117 norms which is inspected as per the Maharashtra Fire and Life Safety Measures Act. Inspection Report in Form B will be submitted in January and July every year to Director - Maharashtra Fire Services. Copy attached
xxii)	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Six monthly periodic medical check-up is carried out of all workers and records are maintained in Form-7 as per the Factories Act. Certifying surgeon report attached
xxiii)	Green belt shall be developed in 33 % of the plant area. Selection of plant species shall be as per the CPCB guidelines.	Green belt is developed by plantation of 3681 plants in the campus, more 4000 saplings are planted around the boudary wall. Total 14 Acres land is under green development. Photograph attached.

xxiv)	Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	As project is situated in suburban area of New Mumbai & Panvel, labours having their residential facility are available, hence no necessity for labour colony. Drinking water, medical health care, toilets, facilities are provided for construction workers within the site.
Sr. No.	(B) GENERAL CONDITIONS:	Status
i)	The project authorities shall strictly adhere to the stipulations made by the State Government and Maharashtra Pollution Control Board.	The stipulations made by the State Government and Maharashtra Pollution Control Board are complied with.
ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. 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 to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted that and no further expansion or modifications in the plant will be carried out without prior approval of the Ministry of Environment and Forests.
iii)	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind directions as well as where maximum ground level concentrations are anticipated.	Three Ambient air quality monitoring stations have already been installed at 120 degrees and connected to MPCB server.
iv)	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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Noted and ambient noise level monitoring will be carried out and maintained as per the standard.
v)	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	System for rain water harvesting is provided at existing WNA 4 plant and ANP building, rain water is being used in cooling towers.
vi)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. training to all employees on handling of chemicals shall be imparted.	Training is imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees are undertaken on regular basis.

vii)	Usage of Personnel Protection Equipments (PPEs) by all employees / workers shall be ensured.	Usage of Personnel Protection Equipments (PPEs) by all employees / workers is ensured, by making the same available individually. Safety Helmet, ear plugs, safety goggles, safety shoes, handgloves, uniforms are issued to every individual. Special PPEs like BA Sets, body harness, boiler suits are issued as per nature of work.
viii)	The company shall also 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, risk mitigation measures and public hearing relating to the project shall be implemented.	The company is committed to comply all environment protection measures and safeguards proposed in the document. All recommendations made in EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.
ix)	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	<u>Various CSR activities are carried out, like:</u> 1. Providing cows to nearby villagers. 2. Providing sewing machines and training for tailoring to women in the nearby villages. 3. Fourty Eight Computers are destributed to Govt schools in the area as a part of Mission Digital India 4. Wadi project is taken in villages for horticultural projects and vegetables production in the area, more than two hundred farmers are getting advantage of mission. they are earning to the tune of Rs 5 to 10 thousand per month
x)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	1) Tree plantation in the MIDC area is carried out. 2) Kasardi river cleaning project is planned jointly with other industries and associations.
xi)	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	A separate Environmental Management Cell equipped with full fledged laboratory facilities is set up to carry out the Environmental Management and Monitoring functions.

xii)	As proposed, company shall earmark sufficient funds toward capital cost and recurring cost respectively to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	Budget for Environment department for the year 2015-16 was of Rs 12,14,79,430/- The fund so earmarked for environment management/ pollution control measures is not diverted for any other purpose.
xiii)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions / representations, if any, were received while processing the proposal.	Advertisement for availability of EC copy on MoEF website was published in local newspaper 'Krushiwal' date 21.10.2015 for any suggestions/representations.
xiv)	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, the respective Zonal Office of CPCB and the Maharashtra Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions will be submitted to MoEF Nagpur office and MoEF&CC, Mantralaya, Mumbai and also will be posted on the website of the company.
xv)	The environmental statement for each financial year ending 31 st 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 clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated will be submitted online to the Maharashtra Pollution Control Board before 30th September. Form V will be uploaded on company website.
xvi)	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 at http://envfor.nic.in . 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 language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Advertisement for availability of EC copy on MoEF website was published in local newspaper 'Krushiwal' date 21.10.2015 for any suggestions/representations. Copy attached

xvii)	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.	Will be followed and communicated with the completion of the project
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