

# State Level Environment Impact Assessment Authority, Uttar Pradesh

## Directorate of Environment, U.P.

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To,

Mr. Yoginder Nath Sharma,  
AVP Mfg,  
M/s Jubilant Agri & Consumer Products Ltd.  
Bhartiagram, Gajraula,  
Distt. Jyotiba Phoolay Nagar,  
U.P.- 244223

Ref. No...1900.../SEAC/1118/2011/AD(H)

Date: 12 October, 2013

**Subject- Environmental Clearance for "Expansion of production capacity from existing 500 TPD to 1000 TPD of SSP, 200 TPD to 1000 TPD GSSP & 200 TPD to 400 TPD H2SO4, M/s Jubilant Agri & Consumer Products Ltd. Bhartigrame, Gajarula, Distt. J.P.Nagar, U.P.**

Dear Sir,

Please refer to your letter dated 28-12-2011, 23-02-2012, 21-3-2012, 08-03-2013, 13-04-2013 & 03-07-2013 addressed to the Secretary, SEAC and Directorate of Environment Govt. of UP on the subject as above. A presentation was made a by Project proponent along with the consultant M/s EQMS India (P) Ltd. in the State Level Expert Appraisal Committee (SEAC) meeting dated 26-09-2013.

The Project proponent, through documents (submitted to SEAC) and presentation made during meeting, has informed to the SEAC that:-

1. The Environmental Clearance is sought for "Expansion of production capacity from existing 500 TPD to 1000 TPD of SSP, 200 TPD to 1000 TPD GSSP & 200 TPD to 400 TPD H2SO4, M/s Jubilant Agri & Consumer Products Ltd. Bhartigrame, Gajarula, Distt. J.P.Nagar, U.P.
2. Environmental Clearance Proposed 16MW CPP and Expansion Plant of Synthetic Organic Chemical Products, J.P. Nagar, Gajraula was issued by SEIAA vide letter 1424/109/SEAC/2007 dated 04-09-2008.
3. 4.95 ha is existing while area after expansion the area will be 1.15073 ha. 38% of the total area will be developed in Green area.
4. 300 TPD Rock Phosphate shall be used as raw material and after expansion the total consumption quantity will be 600 TPD.
5. Energy requirement is 750 KVA which shall be sourced from Jubilant life sciences Ltd. 150 KVA DG set (HSD based) shall be used for power backup.
6. Zero discharge shall be practiced.
7. Fresh water requirement for the project is 841 M<sup>3</sup>/day which shall be sourced from ground water and total water requirement will be 1656 M<sup>3</sup>/day.
8. 40.6 TPD- Coal for HAG, 37440 units/ day of additional Electricity. No D.G. sets at site. Backup power requirement is being taken from jubilant life science ltd.
9. 13.9 TPD total coal is being used. 54.5 TPD total coal will be used after Expansion.
10. The proposals are covered under category 5"a" of EIA notification dated 14/09/2006.

11. TOR was issued vide letter no. 755/SEAC/1118/2011/ADH dated 12-04-2012. The project proponent to submit the Final EIA report through letter no- JACPL/EHS/ENV/2012/45 dated 19-11-2012.
12. The matter was discussed in SEAC meeting dated 18-06-2013 and the project proponent was asked to submit some information regarding the matter. The SEAC also directed that a site visit by the SEAC Member be arranged.
13. A site visit was made by the SEAC on 18-19 Aug-2013. In the SEAC report it was mentioned that "It was observed that the area earmarked for expansion of SSP plant within the plant premises is covered with grass and few shrubs. There has been no construction at the earmarked site".
14. The Project proponent through his letter JACPL/EHS/ENV/2013/106 dated 03-07-2013 has submitted the reply regarding the information sought by the SEAC in its meeting dated 18-06-2013.

Based on the recommendations of the State Level Expert Appraisal Committee Meeting held on 26-09-2013 the State Level Environment Impact Assessment Authority in its Meeting held on 09-10-2013 decided to grant the Environmental Clearance to the project subject to the effective implementation of the following general and specific conditions:-

**GENERAL CONDITIONS:**

1. In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.
2. The project management shall also comply with all the recommendations made in the EIA / EMP report of the project and the undertaking submitted by the project proponent.
3. The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environment Protection (CREP) published by the Central Pollution Control Board.
4. A separate Environment Management Cell equipped with full fledged laboratory facilities and qualified personnel shall be set up to carry out the environment management and monitoring functions and a separate budget shall be allocated for this purpose.
5. The funds earmarked for environment protection measures shall be maintained in a separate account and there shall not be any diversion of these funds for any other purpose. A year-wise expenditure on environmental safe guards shall be reported.
6. All the issues raised in the public hearing shall be comprehensively addressed / complied with in a time bound manner.
7. 2% of total project cost should be utilized to create a corpus of funds for implementing plan under Social, Corporate and Environmental responsibility & proposals submitted within a month of issuance of Environmental clearance failing which the clearance shall be deemed to be canceled.
8. During material transfer, spillages shall be avoided and a drainage system shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.
9. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.
10. Leakages from the pipes/pumps shall be minimal and if occurs, arrested promptly.

11. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.
12. No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.
13. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
14. Information regarding grant of environmental clearance to the project 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 UPPCB/SEIAA UP/ the concerned Regional Office of MoEF.
15. The project authorities shall inform UPPCB/SEIAAUP/ the concerned Regional Office of MoEF, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
16. This Environmental Clearance is valid for five years from the date of issue.
17. The SEIAA, U.P. reserve the right to add new conditions, modify/annual any condition and/or to revoke the clearance if implementation of any of the aforesaid condition/other stipulations imposed by competent authorities is not satisfactory. Six monthly compliance status reports on project along with implementation of environmental measures shall be submitted to this Authority, MoEF, Regional Office, Lucknow and SPCB.

**SPECIFIC CONDITIONS:**

1. The production capacity of the industry shall be limited to production of Granular Single Super Phosphate (GSSP) 1000 TPD and 1000 TPD SSP as proposed.
2. Coal quantity to be used as fuel should not exceed 54.5 TPD after Expansion
3. Online monitoring system shall be installed on the process vents; with an arrangement to reflect the monitored data on the company's server, which can be accessed by the UPPCB on real time basis.

**WATER:**

1. Fresh water requirement for the proposed project shall not exceed 841 M<sup>3</sup>/day during operation and it shall be met through the bore well. Prior permission from the CGWA shall be obtained for extraction of ground water.
2. Effluent to be generated from scrubbing shall be completely recycled/reused back in process and hence there shall be no industrial effluent discharge from the unit.
3. The domestic wastewater generation shall be disposed off through septic tank – soak pit.
4. The unit shall deploy vacuum cleaner for wiping the floor dust, instead of washing it with water.
5. The company shall develop rain water harvesting structures to harvest the runoff water for recharge of ground water.

**AIR:**

1. steam coal shall be utilized as fuel in plant, whereas low sulphur HSD shall be used as a fuel in the D.G. Set.
2. Flue gas and process emissions shall be controlled with the air pollution control equipments (APCEs) as mentioned below:
  - a. Powder SSP unit - Multi stage venture scrubbers
  - b. Granular SSP unit – Multi cyclone separator and dust collector.

3. The APCEs shall be operated efficiently to maintain prescribed norms by CPCB/UPPCB at stack outlets.
4. Adequate stack height as per prevailing norms shall be provided for the flue gas and process emissions.
5. All the vessels used in the manufacturing process shall be closed to reduce the fugitive emission.
6. The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health).
7. Regular monitoring of ground level concentrations of SO<sub>2</sub>, NO<sub>x</sub>, PM<sub>10</sub>, PM<sub>2.5</sub> and HF shall be carried out in the Impact zone in consultation with UPPCB and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the UPPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the UPPCB.
8. The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules 2008, as may be amended from time to time. Authorization from the UPPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.
9. The hazardous wastes shall be stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.
10. The major solid waste generation will be as Silica which will be used as filler material for SSP. Proper storage facility for Silica will be developed with paved bottom surfaces and covered shed to avoid its contact with water.
11. The waste oil generated shall be either reused in machine lubrication or sold only to authorized recycler.
12. Spent sulfuric acid shall be purchased only from the authorized sellers.
13. Hydroflosilicic Acid formed will be recycled back to the mixer at the point of addition of acid for acid dilution along with rock phosphate at the mixer inlet and surplus quantity shall be sold only to the authorized end consumers.
14. Manifest system as depicted in the Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules 2008 shall be followed for purchase of Spent Sulphuric Acid and sell of Hydroflosilicic Acid. Records of purchase of Spent Sulphuric Acid and sell of Hydroflosilicic Acid shall be maintained and submitted to the UPPCB at regular intervals.
15. Discarded drums and bags shall be either reused or returned back to raw material suppliers or sold to the authorized recyclers.
16. Scrap shall be sold to the recyclers.

**SAFETY:**

1. All the recommendations mentioned in the Risk Assessment chapter in the EIA Report shall be strictly implemented.
2. All necessary precautionary measures shall be taken to avoid accident during storage and handling of hazardous chemicals.
3. Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks / containers instead of one single large capacity tank / containers.
4. All the storage tanks shall be equipped with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals.
5. Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.
6. Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency.

7. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.
8. First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.
9. Training shall be imparted to all the workers on safety and health aspects of chemicals handling.
10. Pre-employment and periodical medical examination (Occupational health surveillance) for all the workers shall be undertaken as per the Factories Act & Rules.
11. Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.

**NOISE:**

1. 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).
2. The company shall undertake various waste minimization measures including:
  - a) Metering and control of quantities of active ingredients to minimize waste.
  - b) Use of automated and enclosed filling to minimize spillage.
  - c) Use of close feed system into batch reactors.
  - d) Regular preventive maintenance for avoiding leakage, spillage etc.
  - e) Dry cleaning of floor with vacuum cleaner devise instead of floor washing.
  - f) Regular preventive maintenance for avoiding leakage, spillage etc.

**GREEN BELT AND OTHER PLANTATION:**

1. The company shall develop the green belt in at least 33% of plant area to mitigate the effect of fugitive emissions and noise as per the guidelines CPCB.
2. Trees shall be planted in rows in the periphery of the premises as well as along internal roads. In addition to this, the unit shall also take up adequate plantation on road sides and suitable open areas in vicinity of plant.
3. Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.

Prepare and submit a comprehensive EIA within a span of one year from the date of issuance of E.C and obtain all the necessary clearances/Approvals from the competent Authorities before starting the construction/process.

This Environmental Clearance is subject to ownership of the site by the project proponents in confirmation with approved Master Plan for Amroha. In case of violation, it would not be effective and would automatically be stand cancelled.

You are also directed to ensure that the proposed site is not a part of any no-development zone as required/prescribed/identified under law. In case of violation, this permission shall automatically deem to be cancelled. Also, in the event of any dispute on ownership or land use of the proposed site, this clearance shall automatically deemed to be cancelled.

The project proponent will have to submit approved plans and proposals incorporating the conditions specified in the Environmental Clearance within 03 months of issue of the clearance. The SEIAA/MoEF reserves the right to revoke the environmental clearance, if conditions stipulated are not implemented to the satisfaction of SEIAA/MoEF. SEIAA may impose additional environmental conditions or modify the existing ones, if necessary. Necessary statutory clearances should be obtained and submitted before start of any construction activity.

These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006 including the amendments and rules made thereafter.

This is to request you to take further necessary action in the matter as per provision of Gazette Notification No. S.O. 1533(E) dated 14.9.2006, as amended and send regular compliance reports to the authority as prescribed in the aforesaid notification.

(J. S. Yadav)

Member Secretary, SEIAA

No..... /Parya/SEAC/1118/2013/AD(H) Dated: As above

Copy with enclosure for information and necessary action to:

1. The Principal Secretary, Department of Environment, Govt. of Uttar Pradesh, Lucknow.
2. Advisor, IA Division, Ministry of Environment & Forests, Govt. of India, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi.
3. Chief Conservator, Regional Office, Ministry of Environment & Forests, (Central Region), Kendriya Bhawan, 5th Floor, Sector-H, Aliganj, Lucknow.
4. District Magistrate, Amroha.
5. The Member Secretary, U.P. Pollution Control Board, PICUP Bhawan, Gomti Nagar, Lucknow.
6. Deputy Director, Regional office, Meerut, Directorate of Environment.
7. Regional officer, Regional office, U.P. Pollution Control Board, Amroha.
8. Copy to Web Master/ guard file.

(O. P. Varma)

Secretary, SEAC/  
Director (I/C), Environment