ANNEXURE - XII

Government of Maharashtra

No. SEIAA- 2012/CR.20/2012
Environment department,
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai 400 032
Date: 24th May, 2012

To,
M/s Jubilant Life Sciences Ltd.
N- 34, Anand Nagar, Addl. Ambernath – 421 506
Telephone No. : 251 – 2620432, 2620418

Subject: Modification in Environmental clearance – expansion project for increasing manufacturing capacity of Fine Chemicals and Intermediates by M/s. Jubilant Life Sciences Ltd.

Reference- 1. Even number environment clearance letter dated 25th May 2010
2. Minutes of 46th meeting of SEIAA held on 16th /17th May, 2012

Sir,

This has reference to your communication dated 20th December, 2011 on the above mentioned subject.

2. Project information from documents submitted by you & considered by SEAC & SEIAA was summarized in even number environment clearance letter dated 25th May 2010.

Information on following points are modified as-

Sr. No.	Particulars	Amendment in EC
1	Power and Back up requirement & DG set	existing load: 250 KW; Proposed load: 850 KW 1000 KVA HSD : 220 Ltr/hr
2	Fuel	Briquette/coal Briquette : 667Kg/hr or 16 MT/day Ash generation : 1.92 MT/day OR Coal : 530 kg/hr or 12.7 MT/day Ash generation : 3.81 MT/day
3	Steam Requirement/ boiler	Two boilers of 3000 kg/hr capacity using agro waste as fuel at rate of 1260 kg/hr or coal 1000 kg/hr

For JUBILANT LIFE SCIENCES LTD

Authorised Signatory

		Briquette consumption : 2000 kg/hr or 48 MT/day Ash generation : 7.24 MT/day OR Coal : 2000 kg/hr or 48 MT/day Ash generation : 14.4 MT/day
4	**Solid Waste Management:**	Residue and waste: 750 Kg/day; disposal: sent to CHWTSDF. Chemical sludge from Effluent treatment plant: 16 Kg/day. Solids from MEE: 7475 Kg/day ; disposal: sent to CHWTSDF Ash generated from Briquette 9.16 MT/day Ash generated from coal : 18.21 MT/day
5	**Effluent generated:**	Condition for treatment of effluent to the CETP inlet standards and disposal into the CETP for further treatment and disposal may be incorporated once CETP is operational.

3. Terms and conditions stipulated in even number environment clearance letter dated 25th May 2010 remains the same.

(Valsa R Nair Singh)
Secretary, Environment department &MS, SEIAA

Copy to:

1. Shri. P.M.A Hakeem, IAS (Retd.), Chairman, SEIAA, 'Jugnu' Kottaram Road, Calicut- 673 006 Kerla.
2. Shri. Dr. S. Devotta, Chairman, SEAC, T2/302 Sky City, Vanagaram Ambattur Road, Chennai – 600 095
3. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
4. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
5. Regional Office, MPCB, Thane.
6. Collector, Thane.
7. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
8. Director(TC-1), Dy. Secretary(TC-2),Scientist-I,Environment department
9. Select file (TC-3).

For JUBILANT LIFE SCIENCES LTD

Authorised Signatory

Government of Maharashtra

EC (Specialty) -2009/90/CR.123/TC.1
Environment department,
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai 400 032
Dated: 25th May, 2010

To,
M/s. Specialty Molecules Ltd.
N 34, Additional Ambernath area
Aanandnagar MIDC, Ambernath (E)

Subject: Expansion of project in fine chemicals and intermediate by M/s. Specialty Molecules Ltd. - Environmental clearance regarding.

Sir,

This has reference to your communication dated 16th March, 2009 on the above mentioned subject .The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee, Maharashtra in its 19th meeting and decided to recommend the project for prior environmental clearance to SEIAA without any condition. Additional information submitted by you, on dated 13th November, 2009 has been considered by State Level Environment Impact Assessment Authority in its 21st meeting.

2. It is noted that the proposal is for grant of environmental clearance for Expansion of project in fine chemicals and intermediate by M/s. Specialty Molecules Ltd
SEAC considered the project under Category 'B2' of EIA Notification 2006, and screening category is 5 (f).

Project information from documents submitted by you & considered by SEAC & SEIAA is summarized as below-

Name of the Project	:	Expansion project for manufacture of 3696 MT per annum fine chemicals and intermediates
Type of Project	:	Synthetic organic chemicals industry - category (5f)
Project Proponent	:	M/s. Specialty Molecules Ltd.
Location of the project	:	N 34, Additional Ambernath area Aanandnagar MIDC, Ambernath (E)
Land	:	11969 sq. mts.
Estimated cost of the project	:	Rs. 20 Crores

Production capacity:

Sr. No.	Product	Existing (MT/Year)	Proposed (MT/Year)	Total after expansion (MT/Year)
1.	2 – Chloro pyridine	2040	746	2786
2.	2,6- Dichloro pyridine and other pyridine intermediates	264	100	364
3.	2,3,5,6 - Tetrachloropyridine	0	2750	2750

	(SYMTET)			
4.	2 – Bromopyridine	0	100	100
Total		2304	3696	6000

Raw material:

Pyridine	Acetic acid
Caustic soda	Methanol
Chlorine	Mono methyl ethanol amine
Sulphuric acid	Butanol
Sodium bisulphate	Methelene Di- Chloride
Soda ash	Hydrochloric acid
Sodium bromide	Ferric chloride

Water Requirement:
Total Water requirement: Existing: 150 M3/day additional water requirement: 125 M3/day; Source: MIDC

Effluent generated: Existing: 80 M3/day;
Effluent will be treated in ETP of capacity 150 M3/day; plant will be "Zero Effluent Discharge" after the proposed expansion. Sewage will be treated in septic tank followed by soak pits.

Fuel requirement:
For Boiler:
Existing: Steam 1000 Kg/hr (1 No.) **Furnace oil:** 170Kg/day;
Proposed: Steam 3000 Kg/hr (1 No.) **Agro waste:** 1260 Kg/hr or **Coal:** 1000 Kg/hr
For DG set:
Existing: 100 KVA (1 No.) 200 KVA (1 No); HSD: 20 Ltr/hr; & 40 Ltr/hr
Proposed: 300 KVA (1 No.) ; HSD: 60 Ltr/hr;
Oil heating unit:
Proposed: Furnace oil: 20,00,000 Kcal/hr, 192 Kg/Hr

Energy: existing load: 250 KW; Proposed load: 550 KW; Source: MSEDCL

Solid Waste Management:
Residue and waste: 150 Kg/day; disposal: sent to CHWTSDF.
Chemical sludge from Effluent treatment plant: 16 Kg/day disposal: used as manure.
Solids from MEE: 1365 Kg/day ; disposal: sent to CHWTSDF
Ash from Boilers: 7200 Kg/day (If coal is used) or 3620 Kg/day (if briquette is used) disposal: sale to Brick manufacturers

Green Belt Development: Greenery and open area: 3600 sq.m Total 50 Trees will be planted.

Air pollution control measures:

- Adequate stack height would be provided to boiler, DG sets, Boiler as Air pollution Equipment.
    1. Stack height attached to boiler : 30 m, 1.4 m dia
    2. Stack height attached to DG Set: 3.4 m, 200 mm dia
    3. Stack height attached to Oil heating Unit: 33 m; 300 mm dia.
    4. Stack height attached to Existing 3 scrubbers: 13m height, 100 mm dia.
    5. Stack height attached to proposed 2 scrubbers: 3.5 m height, 100 mm dia.
- Regular monitoring of various parameters for AAQM will be done

Environmental Management Plan: Total estimated cost of environmental infrastructure during Operation Phase capital EMP cost shall be Rs. 216 lakh & Recurring cost shall be Rs. 277 lakhs

3. The proposal has been considered by SEIAA in its 21st meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :-

(i) No land development / construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.

(ii) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.

(iii) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water , medical health care, crèche etc. the housing may be in the form of temporary structures to be removed after the completion of the project.

(iv) No fuel other than mentioned above with said contents shall be used without obtaining proper permission.

(v) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.

(vi) The coal will be transported through closed containers.

(vii) Proper coal handling, transportation and handling system should be as per plan approved by MPCB.

(viii) Regular monitoring of the air quality, including SPM & SO2 levels both in work zone and ambient air shall be carried out in and around the project and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.

(ix) The process emissions and particulate matter from various units shall confirm to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.

(x) Fugitive emissions in the work zone environment, product and raw materials storage area shall be regularly monitored. The emissions shall confirm to the limits imposed by MPCB.

(xi) During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains.

(xii) For control of process emissions, stacks of appropriate height as per the CPCB guidelines shall be provided. The scrubbed water shall be sent to the ETP for further treatment.

(xiii) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.

(xiv) Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.

(xv) The project proponent shall treat the wastewater up the industry specific standards as notified in EPA or as laid down by the MPCB whichever are stringent.

(xvi) Leq of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.

(xvii) The overall noise levels in and around the plant are shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures, etc. On all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

(xviii) Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.

(xix) Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.

(xx) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.

(xxi) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.

(xxii) The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003. Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.

(xxiii) The company shall undertake following Waste Minimization Measures :

- Metering of quantities of active ingredients to minimize waste.
- Reuse of by- products from the process as raw materials or as raw material substitutes in other process.
- Maximizing Recoveries.
- Use of automated material transfer system to minimize spillage.
- Use of "Closed Feed" system into batch reactors.

(xxiv) Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.

(xxv) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

(xxvi) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department

(xxvii) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://envis.maharashtra.gov.in

(xxviii) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.

(xxix) A copy of the clearance 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.

(xxx) The proponent shall upload the status of compliance 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, SO_2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

(xxxi) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC 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 SPCB.

(xxxii) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent 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 EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

(xxxiii) The environmental clearance is being issued without prejudice to the court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him.

4. The Environment department reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

5. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 5 years to start of production operations by the power plant.

6. No further expansion or modifications in the plant shall be carried out without prior approval of SEIAA. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

7. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

(Valsa R Nair Singh)
Secretary, Environment
department & MS, SEIAA

Copy to:

1. Shri. Ashok Basak, IAS (Retd.), Chairman, SEIAA, 502,Charleville, 'A' Road, Churchgate, Mumbai- 400 020, Maharashtra.
2. Shri. P.M.A Hakeem, IAS (Retd.), Chairman, SEAC, 'Jugnu' Kottaram Road, Calicut- 673 006 Kerla.

3. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
4. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
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