## Government of Maharashtra

SEAC-2013 / CR- 273 /TC-2 Environment department Room No. 217, 2<sup>nd</sup> floor, Mantralaya Annex, Mumbai- 400 032. Dated: 17<sup>th</sup> March, 2015

To, M/s. ASolution Pharmaceuticals Pvt. Ltd. Plot No. K- 3/8, Additional Ambernath MIDC, Village Jambivali, Ambernath, Dist. Thane.

Subject: Environment clearance for API (Bulk Drugs), R & D, & Analytical laboratory with pilot plant facility for bulk drugs, Herbal products, speciality chemicals organic chemicals & formulation amounting to a total of 3590 MT/ Annum at K-3/8 at additional MIDC Ambernath Thane by M/s. ASolution Pharmaceuticals Pvt Ltd.

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification, 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 93<sup>rd</sup> meeting and decided to recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 81<sup>st</sup> meeting.

2. It is noted that the proposal is considered by SEAC-I under screening category 5(f) B1 as per EIA Notification 2006.

Brief Information of the project submitted by Project Proponent is as:

	M/s. ASolution Pharmaceuticals Pvt. Ltd.					
Name of project	New project in manufacturing Active Pharmaceutical Ingredients,					
	bulk drug, Intermediates, R&D Products and specialty chemicals.					
Project proponent	M/s. ASolution Pharmaceuticals Pvt. Ltd.					
Consultant	Mr. Srihari Athavale					
New project/expansion in existing	New Project					
	Details of use	Area in sq. meters				
	Total plot area	9450				
Activity schedule in the EIA  Notification	Plant, Machinery Store room /yard, utility area (Allowable Built up area on ground)	4725				
	Tank farm area	400				

	Parking area	261.25				
	Road area	1354				
	R. G. Area (10% of total plot area	n) 945				
	Open space	1764.75				
	5 (f) B1					
Area Details	- \-7					
Name of the Notified Industrial Area/ MIDC area	Additional Ambernath MIDC					
TOR given by SEAC? (If yes then specify the meeting)	No. Model TOR is being followed for EIA report					
	Particulars	Capital cost (In Crores)				
Estimated capital cost of the	Land	1.8				
project (Including cost for	Building/ premises	35.0				
land, building, plant and	Plant & Machinery and	30.0				
machinery separately)	equipment's					
madificacy departments	Furniture and fixtures	8.2				
	Total	75.0				
Location details of the	Latitude: 19 ° 11' N					
project:	Longitude : 73 <sup>0</sup> 12' E					
	Location : Addl. MIDC, Ambernath					
Process details / manufacturing details	Please refer prefeasibility/ EIA report					
Rain water Harvesting (RWH)	RWH system will be adopted (Refer EIA)					
Total Water Requirement	Total water Requirement: Fresh water: 110.0 CMD (During Dry season) Fresh water: 105.0 CMD (During Wet season) Source: MIDC Please refer below table (During Dry Season)					
Storm water drainage	Natural water drainage pattern:					
	Proper and separate storm water drains will be provided as per					
	natural slope. 2 Nos. 1500 Dia. pipes with 7 nos. catchment basins in					
	each line provided by MIDC.					
Sewage generation and	Amt. of sewage generation:4 CMD					
treatment	Proposed treatment for the sewage: Well-designed septic tank.					
	Overflow of the septic tank to be treated in ETP.					
	Capacity of STP: Separate STP is not provided as sewage is treated in the ETP.					

`ETP details	Amount of effluent generation (CMD): 80 CMD									
	Capacity of the ETP: 100 CMD. Evaporator for high TDS effluent is									
	30 CMD (condensate to be treated in ETP).									
		Amount of treated effluent recycled: Nil. Disposed to CETP.  Membership of CETP: Yes								
	Membership of CETP: Yes  Full-fledged ETP consisting of Multiple Effect Evaporator,									
Note on ETP technology to	1	_		<del></del>		_				
be used		condensate of which is treated by Primary, secondary and Tertiary								
7) 1 COL ECD 1 1	treatm		_11	1	41	l- C		I	Jazardona Wagta	
Disposal of The ETP sludge		_		<del>-</del>					Hazardous Waste	ļ
	1		~	disposai iac hip No. MW	-	-			e Management, 202)	
Atmospheric Emissions	Taroja	. (1720110		P						
(Flue gas characteristics	Sr.	Polluta	nt	Source of I	Emi	ssion	Emis	sior	ı rate	
SPM, SO <sub>2.</sub> NO <sub>X</sub> , CO etc.)	No.									
51 W, 5Ο <sub>2,</sub> 1νοχ, οο οιο. <i>)</i>	1.	SPM		Process /Bo	oile	r/	<150	mg	r/nm³	
				D.G. Set						
	2.	SO <sub>2</sub>		Boiler/ D.C	3. S	et	<67 k	(g/ ]	₂/ hr.	
	3.	NO <sub>X</sub>	Boiler/ D.G. Set <50 p		ppm					
	4.	Ammonia Process <35 1		ng/nm³						
	5.	HCl		Scrubber			<50 I	pn	1	
	Pollutants Emission standard limit				M	MPCB Consent				
Emission Standard			Pro	oposed Limi	it					
	SPM/ TPM		<1	<150 mg/nm <sup>3</sup>		<1	<150 mg/nm <sup>3</sup>			
	SO <sub>2</sub>		<6	<67 kg/ hr.		<6	<67 kg/ hr.			
	Amm	onia	<5	<50 ppm <35 mg/nm <sup>3</sup>		<5	<50 ppm			
	HCl		<3			<3	<35 mg/nm <sup>3</sup>			
	NOX		<50 ppm		<5	<50 ppm				
	Pollu	tant	F	Permissible		Propo	sed		Remarks	
Ambient Air quality data		Standard Concentrati		ntrati	on					
	SPM	(PM <sub>10</sub> )	1	100 μg/m <sup>3</sup>		<100 μg/m <sup>3</sup>			Shall be within lim	iit
	RPM (PM <sub>2.5</sub> ) SO <sub>2</sub>		e	60 μg/m <sup>3</sup> <60 μ		<60 μ	<60 μg/m <sup>3</sup> Shall be withi		Shall be within lim	ıit
			8	80 μg/m <sup>3</sup> <80 μg/n		g/m³	m <sup>3</sup> Shall be within limi		ıit	
	NO <sub>X</sub>		8	30 μg/m³		<80 μ	g/m³		Shall be within lim	ıit
Details of Fuel to be used:	Sr. No.	Equipm	ent	Fuel	Fue	el quan		em	antity of Particulate itted in case of quettes only (kg/hr)	

	1 B	oiler	Briquette /	Briquette: 220 Tons/Month.	< 37 kg/hr		
	Total		1.	Briquette : 220 Tons/Month			
	Source of Fuel: From market/ out sider fuel companies  Mode of Transportation of fuel to site: By Road & through pipeline						
Energy	Power:The total need for this Unit is 600 KVA. The required power connection is available from MSEDCL who will fulfill the need for new unit power.  During construction phase expected power requirement is 20 KW During operation expected power requirement shall be: For initial phase: Connected load: 300 KVA Max. demand: 600 KVA Transformer capacity: 630 KVA Sanctioned Load: 600 KVA Total Requirement: 600 KVA  Power Supply: (From MSEDCL) Existing Power requirement: Not Applicable Proposed power requirement:600KVA DG sets: Number and capacity DG sets to be used (proposed)  Proposed installation of D.G. Set with acoustic						
	enclosure.  Capacity Qty. Fuel Used						
	250 K			HSD – 60 Lit./	Hr.		
Green Belt Development	Details of the non-conventional renewable energy proposed to be used:  1) Design & construction of building considering maximum use of natural light and ventilation.  2) In future we are planning to use solar power for toilet and street lights.  Green belt area: 945 m <sup>2</sup>						
	Numbe				planted: 100 Nos.		
Details of pollution control  Systems:	Sr. No.	Source	Existing pollution control s	ı	sed to be installed		

•	1	Air	Not Applicable as our project is	By dispersal into atmosphere through chimney of adequate/ recommended height.	
	2	Water	totally new.	ETP will be provided to treat effluent as per MPCB standards followed by CETP	
	3	Noise		DG set will be provided with acoustic enclosure to minimize noise pollution.	i di America
	4	Solid Waste		Hazardous waste will be disposed to CHWTSDF Non-hazardous solid waste will be sold to private party.	
Environmental Management	Capita	cost of Pr	oject (with break	up): Rs. 75 Crores	
plan Budgetary Allocation	Partic	ulars		Cost (In Crores)	
	Land			1.8	
	Build	ing/premis	es	35	
	i		y & Equipments	30	
	Furni	ture & Fixt	tures	8.2	
	Total			75	
	EMP c	ost (with b	reak up): Rs. 337.	.0 lacs	

S. No.	o. Particulars		Capital cost (in lacs)	Recurring cost (in lacs/annum)			
1	Air pollution control						
	Fuel burning Stack/chin	ineys	7.00	1.0			
	Multicyclone / Dust Col Filter	lector / Bag	6.00	5.0			
	Scrubbers		10.0	5.0			
2	Water Pollution control	L. W.					
	Process drains to ETP		10.0	0.1			
	ЕТР		250.0	100.0			
	RWH		5.0	0.50			
	Waste minimization by	effluent recycle	10.0	8.0			
3	Noise pollution control						
	Acoustic encl./ Ant vibr	ation pads	10.0	2.0			
4	Env. Monitoring and management		0	5.0			
	Occupational health						
	Medical checkup		NIL	0.5			
	Health insurance policy		NIL	2.5			
E	Medical staff charges	WEIDERFELT I	5.0	1.0			
5	First aid facilities consu	ımables	2.0	0.50			
	In-house first aid room		1.0	0.50			
	Other infrastructure and	l Equipment	5.0	0.5			
6	Green belt		6.0	2.0			
7	Non-hazardous & Hazardous Waste Disposal		5.0	2.0			
Hazardous waste storage		ge	5.0	0.50			
	(Fly Ash Storage) Total		337.0	136.6			
submit the salient features)  Details of the Ambient Air s Ground Water Surface Water Noise samples		collected : November 2	012- January 2013				
		1	the primary data collection				
		Ambient Air samples- 9 Nos. Ground Water samples- 9 Nos. Surface Water- 3 Nos.					
							į.
		Soil Samples- 4 Nos.					

Number of visits- 6 Nos.)

Eco biodiversity survey – at an actual

Details of secondary data collection 
Source – Internet

Year of data - 2012-2013

Potential hazard and mitigation measures: The proposed project

would have minimal impacts without any environmental management

measures.

Conclusion of the EIA study:

Proposed project is environmentally sound proposal not going to have
any significantly adverse impact on the environment.

3. The proposal has been considered by SEIAA in its 81<sup>st</sup> 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:

## General Conditions for Pre- construction phase:-

- (i) This Environment clearance is issued subject to conditions that atmospheric emissions standards (flue gas) like SPM to < 130, SO2 <60, NOx<40 and Ammonia <35 as agreed.
- (ii) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- (iii) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
- (iv) 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 power plant 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.
- (v) Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.
- (vi) Proper Housekeeping programmes shall be implemented.
- (vii) In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.
- (viii) A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set.(If applicable)
- (ix) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (x) Arrangement shall be made that effluent and storm water does not get mixed.
- (xi) 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.
- (xii) 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.
- (xiii) The overall noise levels in and around the plant are 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

- confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
- (xiv) 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.
- (xv) 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.
- (xvi) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- (xvii) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xviii) 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 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
- (xix) 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.
- (xx) 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.
- (xxi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xxii) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
- (xxiii) Separate silos will be provided for collecting and storing bottom ash and fly ash.
- (xxiv) 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
- (xxv) 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://ec.maharashtra.gov.in
- (xxvi) 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 1<sup>st</sup> June & 1<sup>st</sup> December of each calendar year.
- (xxvii) 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.
- (xxviii)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<sub>2</sub>, 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.
- (xxix) 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.
- (xxx) The environmental statement for each financial year ending 31<sup>st</sup> 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.
- 4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any 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 under EP Act or 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, if any or action initiated under EP Act.
- 5. 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.
- 6. Validity of Environment Clearance: The environmental clearance accorded shall be valid for a period of 5 years to start of production operations.
- 7. 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.
- 8. 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.
- 9. Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1<sup>st</sup> Floor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Principal Secretary,
Environment department &
MS, SEIAA.

Copy to:

- 1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.
- 2. Shri T. C. Benjamin, IAS (Retired), Chairman, SEAC-I, 602, PECAN, Marigold, Behind Gold Adlabs, Kalyani Nagar, Pune 411014.
- 3. Additional Secretary, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
- **4.** Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
- 5. 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).
- 6. Regional Office, MPCB, Thane.
- 7. Collector, Thane
- 8. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
- 9. Select file (TC-3)

(EC uploaded on 19/3/15 )