

The 272<sup>nd</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 31<sup>st</sup> March, 2016 under the Chairmanship of Dr R.B. Lal for discussion on the query responses submitted by the PP and the projects / issues received from SEIAA. The following members attended the meeting-

1. Shri K. P. Nyati, Member
2. Dr. U. R. Singh, , Member
3. Dr. S. K. Iyer, Member
4. Dr. Mohini Saxena, Member
5. Dr. Alok Mittal, Member
6. Dr. Manoj Pradhan, Member
7. Shri A. A. Mishra, Secretary

The Chairman welcomed all the members of the Committee and thereafter agenda items were taken up for deliberations.

1. **Case No. - 4270/2015 Shri Kishan Wadhani, Project Engineer, M.P. Police Housing Corporation, Indore Division, D-30, HIG Colony, A.B. Road, Indore (M.P.)-452008 Prior Environment Clearance for proposed Multi Storey Residential Complex for Police Personnel at Bicholi (Near IDA Scheme No. -140) Khasra no. - 497, Village-Piplyahana, Tehsil & District-Indore (M.P.) Site Area – 32030 Sqm, Total Built-up Area – 89536.54 Sqm. Env. Consultant : Arinem Consultancy Services Pvt. Ltd., Lucknow (U.P.)**

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14<sup>th</sup> September 2006 and amended to the date) and involves environmental clearance on the basis of Form 1, Form 1A and Conceptual plan. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

The case was earlier scheduled in the 271<sup>st</sup> SEAC meeting dated 02/03/2016 wherein it was observed that neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was again scheduled for presentation today but again neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation.

Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA for delisting.

**2. Case No. - 4258/2015 Shri Virendra Pokharna, Director, M/s Indra Industries Limited, Village-Sandla, Tehsil-Badnawar, District-Dhar (M.P.)-452010 Prior Environment Clearance for expansion of Chemical Fertilizers Proposed Capacity - SSP from 45,000 to 75,000 MTPA & GSSP-1,20,000 MTPA, at Khasra no.- 2132/8, 2131/1, 2132/1/2/1, 2132/5, 2132/1/13, Village-Sandla, Tehsil-Badnawar, District-Dhar (M.P.) Env. Consultant : EQMS India Pvt. Ltd. Delhi.**

The project pertains to Environment Clearance for expansion of Chemical Fertilizers Proposed Capacity - SSP from 45,000 to 75,000 MTPA & GSSP-1,20,000 MTPA, at Khasra no.- 2132/8, 2131/1, 2132/1/2/1, 2132/5, 2132/1/13, Village-Sandla, Tehsil-Badnawar, District-Dhar (MP) and the EIA is forwarded by the SEIAA to SEAC for appraisal and necessary recommendations.

The case was earlier presented by the PP and their consultant in the 270<sup>st</sup> SEAC meeting dated 01/03/2016 wherein it was observed that the PP and their consultant came for the presentation but SEAC members informed that they have not received the EIA document well in advance and thus unable to study the project. Thus committee decided that PP may be called in subsequent meetings of SEAC for presentation and advised PP to send the documents well in advance for reference.

The TOR of this project was issued by MoEF&CC 28/01/2013 and the file was transferred to MPSEIAA on dated 18/08/2015 for further considerations. Chronology of event is given below:

- " Approval of TOR by MOEF&CC January 2013
- " Public hearing on 28 Oct 2014
- " Online submission the Final EIA report to MOEF&CC on 1<sup>st</sup> May 2015.
- " Re-categorization of the project as category B due to exemption from EC for GSSP and Zinc Sulphate as the amendment in EIA notification in May 2015.
- " Transfer of case file to Madhya Pradesh SEIAA for further consideration by MoEF&CC on 31<sup>th</sup> May 2015.
- " Re-Submission of online application on MPSEIAA on 19<sup>th</sup> September 2015

Total project area is 17750 m<sup>2</sup>. 5857 m<sup>2</sup> area is proposed for green as green area. Total water requirement is estimated as 90 KLD. Total investment is about Rs 5.00 crore. It is proposed as zero discharge plant.

The case was presented by the PP and their consultant wherein after presentation it was observed by the members that very casual approach is adopted by the consultant while carrying out the EIA studies and the quality of EIA report is also very poor. Thus committee decided that EIA needs to be revised in the light of following observations:

1. The selection of ambient air quality monitoring stations is inappropriate as other than the project site, all the other monitoring stations were located >2.00 Km or above distance while the prediction is showing maximum incremental GLC at a distance of 200 meters.
2. With the expansion of the project maximum incremental PM is shown as 103 ug/m<sup>3</sup> but sufficient protective measures / Pollution Control Devices are not proposed in the EMP to address this issue.
3. Regional Geology is provided in the EIA which has no relevance with the project.
4. Coal is mentioned as expected Hazardous waste.
5. Rs. 80.00 lacs (out of 5.00 cr. For expansion) has been proposed under the green belt development for which no backup calculation has been submitted.
6. Complete proceedings of public hearing are not provided in the EIA report.
7. From zinc sulphate plant hydrogen generation is shown in traces.
8. As per the EIA report 33% area is shown for plantation while in the same report it is mentioned that plantation depends on rain fall.
9. In table 1.1, TOR compliance status for TOR no.6 it is mentioned that the details of consent to operate and authorization are given as Annexure-6 but the same is not annexed at annexure-6.

The committee also thought it appropriate to bring it to the notice of QCI/NABET about the poor quality of EIA report.

3. **Case No. - 4433/2015 Executive Engineer, M.P. Housing & Infrastructure Development Board, Division-Khandwa, A-576, Civil Lines, Khandwa-450001 (M.P.) Prior Environment Clearance for proposed Residential Housing Project "Tulja Vihar" at Khasra No.-238, 239, from 245/1 to 245/3 and from 246, 247/1 to 247/12, Vill.-Mallipura, Th-Khandwa, District-Khandwa (MP) Total Plot Area - 16.23 Ha., Build up Area-43244.00 Sqm.**

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14<sup>th</sup> September 2006 and amended to the date) and involves environmental clearance on the basis of Form 1, Form 1A and Conceptual plan. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

The case was earlier scheduled in the 271<sup>st</sup> SEAC meeting dated 01/03/2016 wherein it was observed that neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented by the PP and their consultant wherein PP informed that they have revised the water demand and some other relevant information which at present are not the part of submitted form-1 & 1A and have so far not submitted the revised Form-1 and 1A. Thus committee decided that PP may revise the Form-1 & 1A and submit the same through SEIAA. PP was also asked to submit worst case scenario as per available FAR.

4. **Case No. - 4152/15 Shri Kamal Kumar Makhija, Director, M/s Shiv Real Mart Pvt. Ltd., 25, Triveni Colony, Indore-(M.P.) 452001 Prior Environment Clearance for approval of proposed Housing Project "Shivalaya" at Khasra no.-1022, 1025, 1026, 1027, 1018/1, 1018/210, Village-Bijalpur, Tehsil-Indore, District-Indore (MP) Total Project Area – 118320.00 m<sup>2</sup> Road Widening Area – 1842.00 m<sup>2</sup> (1458 m<sup>2</sup> Plotted development + 384 m<sup>2</sup> for group housing) Net Land Area for Project – 116478.00 m<sup>2</sup> (80886 m<sup>2</sup> for Plotted development) = ( 35592 m<sup>2</sup> for group Housing ) = 116478**

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This is a residential project comprising building construction with Total Project Area ó 118320.00 m<sup>2</sup> Road Widening Area ó 1842.00 m<sup>2</sup> (1458 m<sup>2</sup> Plotted development + 384 m<sup>2</sup> for group housing) Net Land Area for Project ó 116478.00 m<sup>2</sup> (80886 m<sup>2</sup> for Plotted development) = ( 35592 m<sup>2</sup> for group Housing ) = 116478 M<sup>2</sup>. The project is proposed Khasra No. ó 1022, 1025, 1026, 1027, 1018/1, 1018/210, Village-Bijalpur, Tehsil-Indore,

District-Indore (MP). By virtue of type and size of project it falls under Category B-2, 8(a) in the EIA Notification hence requires prior EC from SEIAA.

The case was earlier scheduled in the 269<sup>st</sup> SEAC meeting dated 29/02/2016 wherein it was observed that neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

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5. **Case No. - 4154/15 Shri Narendra Batra, Director, M/s Samarth Devcon Pvt. Ltd., 208, Saffire Heights, A.B. Road, Indore (MP)-452001 Prior Environment Clearance for approval of proposed Construction of Group Housing Project "Shikharji Dreamz" at Khasra no.-22/1/1, 22/2, 23, 25/1, 26/1/2, 2/2/1, Village-Arandiya, Near Talawalichanda Tehsil-Indore, District-Indore (MP) Total Project Area – 42570.00 m<sup>2</sup> Road Widening Area – 4461.000 m<sup>2</sup> (342 + 4118) Net Land Area for Project – 38109.00 m<sup>2</sup>.**

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14<sup>th</sup> September 2006 and amended to the date) and involves environmental clearance on the basis of Form 1, Form 1A and Conceptual plan. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

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6. **Case No. - 4954/2016 Shri Badri Prasad Patel, Proprietor, M/s Patel Builders, 63/6/1, Siddi Bhawan, Chunna Bhatti, Bhopal (M.P.)-462016 Prior Environment Clearance for proposed Multi Residential Colony (Sidhi Sanskriti) Built-up Area-29821.24 sqmt., Total Plot Area-20600 sq.mt., at Survey no.-151, Vill.- Salaiya, Teh-Huzur, Distt.-Bhopal (M.P.)**

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14<sup>th</sup> September 2006 and amended to the date) and involves environmental clearance on the basis of Form 1, Form 1A and Conceptual plan. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

The case was scheduled for the presentation today but during presentation it was observed that PP was not present in person and has authorized Mr. Kautubh Dixit who is the architect of this project. It was submitted by the person who came for the presentation that their case may be deferred till tomorrow so that PP can come in person which was accepted by the committee and the case was deferred for considered on 01/04/2016 if time permits after the scheduled agenda.

7. **Case No. - 4269/2015 Shri Jitesh Parwani, Partner, M/s Shiv Parvati Enterprises, Mezzanine Floor, City Trade Centre, 141, Malviya Nagar, Bhopal-462001 Prior Environment Clearance for proposed Residential Blocks, Convenient Shops and Plot Development at Khasra no.-16/1, 16/2, 17, 18, 21/1, 21/2, 22, Village-Bagli, Block-**

**Phanda, Tehsil-Huzur, District-Bhopal (MP) Total Land Area – 4.50 ha., Total Land Available Area – 44151.13 sqm, Total Built-up Area -34503 sqm., Env. Consultant : Creative Enviro Services, Bhopal (M.P.)**

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The case was earlier scheduled in the 270<sup>th</sup> SEAC meeting dated 01/03/2016 wherein it was observed that neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

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**8. Case No. - 4629/15 Smt. Meena Agarwal W/o Shri Sanjay Kumar Agrawal, Agrawal House, 5, Yashwant Colony, Indore (MP)-452001 Prior Environment Clearance for Sanjana Park-II (Group Housing Project) at Khasra No.-478/4/1 to 478/9 & 474, Village-Rau, Tehsil-Rau, District-Indore (MP) Total Land Area - 26690, Build up Area -52025 Sqm.**

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9. **Case No. - 4965/2016 Shri Rajesh Kasliwal, Managing Director, M/s Vishesh Diagnostics Pvt. Ltd., A.B. Road, Geeta Bhawan Chouraha, Indore (MP)-452001 Prior Environment Clearance for proposed Nursing Home & Hospital at Khasra No.-89/1/1, 89/1/2, 90/1, 91/3, 97/2, 91/2, 89/1/3, 92/2/1, Village-Chitawad, Tehsil-Indore, District-Indore (MP) For Building Construction. Env. CES, Bhopal(M.P.)**

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This is a proposed Hospital Building unit along with guest house. The project is proposed at khasara No. : **Khasra No. 89/1/1, 89/1/2, 90/1, 91/3, 97/2, 91/2, 89/1/3, 92/2/1 Village Chitawad & Plot No. 2, ring Road, Yojna No. 94, Sector-1.** The land is owned by the project proponent. A subcommittee of SEAC has visited the site on 14/02/2016 (earlier in the minutes of 271<sup>st</sup> SEAC meeting dated 02/03/2016 due to typographical error, the date of inspection was mentioned as 13/02/2016) and it is found that no construction activities has been taken up by the PP hence no violation was observed. (Annx-A)

**Project Details:**

Facility	Hospital & Guest House
Total No. of Beds	200 Nos.



Total Water requirement	274 kld
Fresh Water requirement	145 kld
Power requirement	2343 KW
Backup Power facility	2 x 1250 KVA
Municipal Solid Waste	0.25 ton per day
Bio medical waste	0.06 ton per day
Height of the Building	24m
Parking area	8540 sqm
Parking Nos.	244 ECS
Area under greenbelt	2168.53 sqm
Area under Road	5595 sqm

### Details of Approvals Obtained

- T & CP Approval
- Permission for water supply from corporation vide letter No. 5722/15-16 dtd. 20/11/15.
- Solid waste disposal/ BMW from CMO Indore vide letter No. 29917dtd. 09/11/2015.
- Sewage disposal vide letter No. 2581/15-16 dtd. 20/11/2015.

### Statement of area

HOSPITAL BUILDING			
sl no.	FLOOR	Construction Area	Unit
1	Basement-2	7502.37	SQM
2	Basement-1	8235.1	SQM
3	Ground floor	3200.65	SQM
4	First Floor	2867.03	SQM
5	Secont Floor	3193.34	SQM
6	Third floor	3195.19	SQM
7	Service floor	3311.01	SQM
8	Fourth Floor	3197.64	SQM
9	Fifth Floor	1958.35	SQM
10	Sixth Floor	1958.35	SQM
11	Mumty	131.11	SQM
	Total	38750.14	SQM

<b>Guest House BUILDING</b>			
<b>Sl no.</b>	<b>floor</b>	<b>Construction Area</b>	<b>Unit</b>
1	Ground floor	570.87	SQM
2	First Floor	570.87	SQM
3	Secont Floor	570.87	SQM
4	Third floor	570.87	SQM
8	Fourth Floor	570.87	SQM
9	Fifth Floor	570.87	SQM
10	Mumty	32.4	SQM
	<b>Total</b>	<b>3457.62</b>	SQM
<b>Total Construction area for both building</b>		<b>42207.76</b>	SQM

### **Source of water supply**

1. During construction phase water will be taken from the private tankers, or from existing well.
2. The IMC will supply water for the project. It is submitted that sewerage network in the area is well developed hence excess treated water after reuse in flushing / HVAC system and land scaping shall be discharge in to the same.

### **Water balance**

Total Treated water = 274 KLD

Make up water = 145 kld

### **Availability of Recycled water**

Flushing = 32 KLD

HAVC system = 87 KLD

Horticulture = 6 KLD

Total = 125 KLD

### **Energy conservation measures ó**

S. No.	description
1	Solar lighting is proposed for open spaces.
2.	LED lighting will be done
3.	Green LED based lighting in the interior
4.	Solar water heater

### Land Scape Proposal

2168.53 sq mt area as open for landscaping was proposed which is 12 % of the total plot area. PP has submitted the landscape layout with area of landscape.

The submission and the presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of prior EC subject to the following special conditions:

1. Fresh water requirement for the project shall not exceed 145 KLD
2. Roof type solar system shall be provided.
3. STP is proposed in 1st basement and hence proper ventilation shall be ensured.
4. Thick green belt shall be developed all around the periphery of the project site.

### Fire & safety measures

The planning of the Fire Safety and life safety scheme for the entire Building is based on the following consideration:-

- National Building Code (NBC) and local fire norms.
- Indian standard-3844
- Indian standard-2189
- Indian standard-2190
- Directive of Local fire authorities

### Portable Fire Extinguishers:

- The following type of portable fire extinguishers shall be provided at all floors of the blocks, at strategic location as marked on the building plans as per IS:2190.
- Mechanical foam type fire extinguishers 9 liters capacity each conforming to IS: 10204.
- CO<sup>2</sup> type fire extinguishers 4.5 Kg capacity each conforming to IS: 2878.
- Dry Chemical Powder type fire extinguishers (Stored Pressure Type) 5 Kg capacity each conforming to IS: 13849.
- Fire bucket with stand (For sand / water)

### **Environmental Management Plan**

- Storm water within the site will be allowed to the recharge pits/ trenches through proper storm water drainage network. A collection sump of adequate capacity will be made to collect the overflow. The storm water shall be diverted to storm water drain. Thus flooding on the proposed site is not envisaged.
- Vertical rain water pipes provided as per requirement and as per site conditions will collect the rainwater through khurrahs and this will discharge into masonry storm water drains with SFRC Covers.
- Drainage system shall be designed and various statutory codes. Surface drainage consisting of surface drains and underground storm water disposal pipes will be provided so that there is no accumulation of rain water. In addition to this Rain Water Harvesting and Ground Water Recharge structures will also be provided to make optimal use of the rain water so collected.
- Rain water harvesting schemes will be implemented within the complex for the conservation of water resources as per the Central Ground Water Board Guidelines and local regulations.

### **Solid Waste Management**

It is estimated that at about 0.25 ton per day of municipal solid waste and 0.06 ton per day BMW will be generated and from the project during the operation.

#### **Construction Debris**

Construction debris is bulky and heavy and re utilization and recycling is an important strategy for management of such waste. As concrete and masonry constitute the majority of waste generated, recycling of this waste by conversion to aggregate can offer benefits of reduced landfill space and reduced extraction of raw material for new construction activity.

Recycled aggregate will be used for filler application, and as a sub base for road construction. Mixed debris with high gypsum, plaster, shall not be used as fill, as they are highly susceptible to contamination, and will be given to recyclers.

Construction contractors shall remove metal scrap from structural steel, piping, concrete reinforcement and sheet metal work from the site. A significant portion of wood scrap can be reused on site. Recyclable wastes such as plastics, glass fiber insulation, roofing etc shall be sold to recyclers.

### **Operation Phase**

#### **Collection and transportation**

During the collection stage, the biodegradable and non- recyclable/ non biodegradable waste will be stored and collected separately. The non- recyclable and non-biodegradable waste, sludge from STP and Biodegradable waste will be deposited at a landfill site.

The Bio Medical waste shall be collected and stored in coloured coded bins and disposed as per the BMW(Management & Handling) Rules 1998 and its amendment.

To minimize littering and odours, waste will be stored in well designed containers/bins that will be located at strategic locations to minimize disturbance in traffic flow.

The collection vehicles will be well maintained to minimize noise and emissions, and while transporting waste, these will be covered to avoid littering.

### **Disposal**

With regard to the disposal/treatment of waste and STP sludge, the waste shall be disposed off at trenching ground of the Indore Municipal Corporation.

### **Operational Phase**

- DG sets will have appropriate stack height as prescribed by the Central Pollution Control Board
- Proper ventilation will be provided to all parts of the building
- Open burning of any waste shall not be allowed.
- Land scape to be provided in consultation with expert adviser.

The case was earlier presented by PP and their consultant in the 271<sup>st</sup> SEAC meeting dated 02/03/2016 wherein during presentation and deliberations, it was observed that the site is within 10 Km radius of Ralamandal Abhayaran (a Notified PA) from the Google image based on the co-ordinate by the PP thus clearance from NBWL is therefore needed. Committee after deliberations decided that PP should be asked to apply online for NBWL clearance and a copy of the application may be submitted to SEAC for further appraisal of the project.

PP vide their letter dated 08/03/2016 has submitted the copy of online application made for wild life clearance. PP has applied online for wild life clearance with proposal no. FP/MP/Others/617/2016.

The case was presented by the PP and their consultant wherein the submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of prior EC subject to the following special conditions:

1. Fresh water requirement for the project shall not exceed 145 KLD.

2. The excess treated water will be used for watering of municipal road side green area or efforts shall be made to supply this water to the construction sites for use in the construction works.
  3. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 550 numbers of trees will be planted in the premises. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
  4. STP sludge shall be filter-pressed and the de-watered sludge shall be disposed off with the MSW.
  5. Power back-up for un-interrupted operations of STP shall be ensured.
  6. CFL/LED should be preferred over of tube lights.
  7. Installation of solar photovoltaic cells for lighting system for common areas of basement should be provided and should explore the possibility of using solar lightning in OPDs.
  8. Fund should be exclusively earmarked for the implementation of EMP.
  9. MSW storage area should have 48 hours storage capacity.
  10. Dual plumbing should be provided for guest house building and IPD section of the hospital.
  11. Fire alert system should be linked with the district alert system.
  12. PP should explore the possibility for öGreen Building Ratingsö.
  13. Provision for physically challenged persons be made so that they easily excess pathway/derive way for their vehicles.
  14. Provisions 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 structure to be removed after completion of the period.
  15. PP will obtain other necessary clearances/NOC from concerned authorities.
  16. The grant of Environmental Clearance should be subject necessary Wild Life Clearance from NBWL to be obtained by PP.
10. **Case No. 4151/2015 Shri N.P. Mishra, CEO, M/s Sonia Engineering & Construction (SEAC) Ltd., C-32, Govindpuri Chauraha, Opp. V.C. Bungalow, J. University Road, City Centre, Gwalior (M.P.)-474010 Prior Environment Clearance for approval of proposed Housing Project "SEAC CITY NORTH" at Khasra no.-147/2, 148, 156/3, 158/1, 159, 160, 161, 162, 172, 173, 175, 196, 197, 202, Village-Kargawa, Tehsil-Gwalior, District-Gwalior (M.P.) Total Land Area – 66257 M2 Ploteed Development Area - 52773 M2. Env. Cons. – Iconic Envirotech(P) Ltd. Delhi.**

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14<sup>th</sup> September 2006 and amended to the date) and involves environmental clearance on the basis of Form 1, Form 1A and Conceptual plan. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

This is a residential project comprising building construction for with *Total Land Area – 66257 M2 Plotted Development Area - 52773 M2*. The project is proposed Khasra No. 6 147/2, 148, 156/3, 158/1, 159, 160, 161, 162, 172, 173, 175, 196, 197, 202, Village-Kargawa, Tehsil-Gwalior, District-Gwalior (MP). By virtue of type and size of project it falls under Category B-2, 8(a) in the EIA Notification hence requires prior EC from SEIAA.

The case was earlier scheduled in the 269<sup>th</sup> SEAC meeting dated 29/03/2016 wherein it was observed that none of the members received the documents related to the project prior to the meeting. Thus committee decided that the PP may be called again for the presentation in the subsequent meetings of SEAC and PP was also requested to forward the documents well in time to all the members for appraisal of the project.

The case was again scheduled for presentation today but again neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA for delisting.

11. **Case No. - 704/2012 Dr. Mrs. Neeta Dang, Director, M/s Impress Chemicals Pvt.Ltd., RH-24, Scheme No. 54, Vijay Nagar, Indore – (-M.P.) – 452010 Proposed Drug Manufacturing Unit at Plot No.332 Sector -1, Industrial Area, Pithampur, Teh. – Dhar,Distt. – Dhar (M.P.) ,ToR Issued letter no. 401 dt. 04/08/12 Env. Cons. – Anacon Lab. Nagpur (M.S.)**

The project pertains to Proposed Drug Manufacturing Unit and is mentioned as item 5(f) in the schedule of the EIA Notification. The project was issued TOR by SEAC vide letter no. 401 dated 04/08/2012 followed by a revised TOR vide letter no. 136 dated 22/09/2014. EIA submitted by the PP was forwarded by the SEIAA to SEAC for appraisal and necessary recommendations.

**Location**

- Village: Plot No. 332, Notified Pithampur Industrial Growth Centre, Pithampur village

□ Tehsil & District : Dhar (M.P)

**Products proposed**

SN	Name of Product	Proposed Capacity
1	Fluconazole	1 TPM
2	Tenofovir Disoproxil Fumarate	1 TPM
3	Mefanamic Acid	10 TPM
4	Tripolidine Hydrochloride	1.5 TPM
5	Glucoseamine HCL + Sulphate	5 TPM
6	Glemipride	1 TPM

Particulars	Description
Cost of the project	Rs. 10 crores
Total Proposed area	0.23 acres (926 m <sup>2</sup> )
Water requirement	2 m <sup>3</sup> /day, Source - Audyogik Kendra Vikas Nigam (AKVN), Waste Water Generation-Fully recycled in process, Mode of disposal - Zero Discharge
Power requirement	48 KW , Source - Madhya Pradesh Electricity Board (MPSEB), DG 60 KVA is proposed
Manpower requirement	50

Feature	Details
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Village	Pithampur (1.0 km, SW)
Tehsil & District	Dhar
Geographical location	Latitude 22°37'06.05"N , Longitude 75°41'18.96"E
Elevation	560 m
Nearest Railway Station	Mhow (15 Km, SE)
Present Land-use	Notified Industrial Area
Nearest Airport	Indore (35 Km, NE)
Nearest Highway	NH-59 (6km, N)
Nearest Town	Pithampur (1.0 km, SW)
Nearest Water Body	Chambal (06 kms.)
District headquarters	Dhar (38 km, W)
Seismic Zone	Zone II as per the 2002 Bureau of Indian Standards (BIS)
Forest land	No forest reported with in 10 km radius of around the site.
Notified Eco sensitive area	None in 15 km radius

### Raw Materials

Raw Material	Qty/month	Raw Material	Qty/month
1.3 DFB	50 kg	Hyflo Supercel	44 kg

MDC	75 lit	Sodium hydroxide Lye (50% w/w)	430 lit
Alu. Chloride	63.5 kg	Sodium Sulphate (Exsiccated)	279 kg
C.A.C.	55 kg	Sodium Chloride	1497 kg
Ice	500kg	IPA	5000 kg
HCl	20 kg	Methyl Acetone Phenone	250 kg
CAN	300 lit	Para-formaldehyde	420 kg
4ATE	35 kg	Toulene	4200 kg
Sodium Nitrate	13 kg	N-Butyl Lithium	200 kg
Ammonia Water	500 lit	2 Bromo Pyridine	250 kg
9[2- Phosphon o Methoxy) Propyl]ad enine	1 kg	HCl	1000 kg
Cyclophe	2.22 lit	Chitin	8000 kg
N-Methyl- pyrrolido ne	3.36 lit	HCL	1000 kg
TEA	0.1 kg	Methanol	50 kg
Chloro methyl isopropyl carbonate	2.27	Toluene	1000 kg
Ethyl Acetate	3.54 lit	EPO	1000 kg
Cyclohexane	0.91 lit	Isocyanides	100 kg

IPA	3.86 lit	Hexane	300 kg
Fumeric Acid	0.36 kg	DIPE	300 kg
O-Chloro Benzoic Acid	1045 kg	MDC	300 kg
Potassium Carbonat e	498 kg	CS Acid	50 kg
Isopropyl Alcohol (IPA)	13230 lit	Ethyl Acetate	20 kg
2,3-Dimethyl Aniline (O-Xylidine)	800 kg	Liquid NH3	1000 kg
Cupric Acetate Monohyd rate, Tech	150 kg	Acetone	500 kg
Concentrated HCl	900 lit	TMCHI	100 kg
Methanol	480 lit	K2CO3	50 kg
Activated Carbon	180 kg		

**Air Pollution Control Measures:**

- Fugitive emission from the solvent storage area will be controlled by effective ventilation system.
- Storage and transport of material will be in a closed system and transport of solvent shall be as per safety norms.
- All internal roads will be black topped / concrete
- Greenbelt of 33% (0.08 acres/306 sq m) along the plant boundary and along the internal roads
- Ambient air quality monitoring in and around the plant area

- All solvent transfer will be in closed pipeline hence there will be no open handling leading to fugitive emission and it will prevent odour nuisance
- All reactor vents are with double stage vent condenser which prevents fugitive emission into atmosphere and prevents odour nuisance
- All plants are closed ventilated plants so it prevents odour nuisance
- All solvent having low flash points are provided with Nitrogen blanketing which prevents fugitive emissions of solvent vapours which prevents odour nuisance
- Provision of scrubbing system for reactor vents and stripping of effluent streams before treatment will result into effective odour control in the area
- Provision of greenbelt around the premier of the industry also helps in controlling fugitive emissions

### **Water Pollution Control Measures**

- In order to conserve water and minimize the makeup water requirement, it is proposed to adopt re-circulating systems for equipment cooling.
- In re-circulating system same water re-circulates again and again and some make up water is added for evaporation losses.
- The industrial effluent of 0.2 KL/day shall be treated in ETP then the RO and finally treated water is recycled in the process.
- It is proposed to have an effluent treatment plant of 10 KL/day and a storage of 20 KL effluent in a fibre glass lined tank, where caustic & acidic effluents will be collected and allowed to neutralize.
- It is proposed to fully utilize the treated water in the process. Zero discharge concepts will be implemented.
- The outflow from toilets of the plant buildings shall be led to various septic tanks in respective areas through separate drains. The run-off from them will be connected to soak pits/ dispersion trenches.
- A well planned storm water drainage network will be developed within the plant site
- Rainwater harvesting measures will be implemented
- Periodic monitoring of water for its quality.

### **Solvent Management & Recovery Plan**

- Waste-minimisation, recycle/reuse/recover techniques
- Spent solvents are proposed for solvent recovery through in-house solvent recovery unit.
- Reactor will be connected to chilled brine condenser system
- Reactor and solvent handling pump will have mechanical seals to prevent leakages.
- The condensers will be provided with sufficient HTA and residence time so as to achieve more than 95% recovery
- Solvents will be stored in a separate space specified with all safety measures.
- Proper earthing will be provided in all the electrical equipment wherever solvent handling is done.

- Entire plant where solvents are used will be flame proof. The solvent storage tanks will be provided with breather valve to prevent losses.

### Noise Level

- Noise from compressor, fans, centrifugal pumps, electrical motors etc. will be kept in control so that the ambient noise level shall not exceed 75 dB(A) during day time & 70 dB(A) during night time.
- The insulation provided for prevention of loss of heat and personnel safety will also act as noise reducers;
- Layouts, equipment foundations and structures will be designed keeping the requirement of noise abatement in view;
- Necessary enclosures will also be provided on the working platforms/areas to provide local protection in high noise level areas;
- All equipment will be kept in a well maintained condition with proper lubrication and housekeeping to avoid excessive noise generation;
- Noise pollution control measures will be provided in respective departments by way of providing silencers, soundproof cubicles/ covers and proper selection of less noise machinery.
- Development of greenbelt to attenuate noise levels, and Personal protection equipment to employees.

### Solid Waste & its proposed management

Sr.No.	Name of Waste	Category	Quantity	Mode of Disposal
1	Used oil / Waste oil	5.1 / 5.2	Nil	
2	Process Waste	28.1	5 kg per month	Disposal to TSDF
3	Spent Carbon	28.2	3 kg per month	Disposal to TSDF
4	Date expired specification product	28.3 / 28.4	nil	
5	Spent Solvent / Spent ML	28.5 / 20.2	5 tons per month	Disposal to TSDF or to authorized

				recyclers
6	Discarded Containers / Barrels / Bags / Liners	33.3	20-30	Decontamination and sale
7	ETP Sludge	34.3	300 kg per month	Disposal to TSDF
8	Salts from multi effect evaporators	36.2	nil	
9	Distillation Residue	20.3 /36.4	nil	
10	Spent Catalyst	35.2	nil	
11	Chemical residue from decontamination of chemical drums	33.1	nil	
12	Spent resin	34.2	nil	
13	Filter media and molecular sieve	35.1	3 meter square per month	Disposal to TSDF

- The hazardous waste likely to be generated from all possible sources is proposed to be collected and transported to (CHW-TSDF) waste disposal site.
- The solid waste is proposed to be collected in synthetic carboys and delivered to Ramky's solid waste handling facility, formal membership will be taken after grant of consent to operate
- All hazardous chemicals/raw materials is proposed to be handled as per the relevant rules "Manufacture, Storage, and Import of Hazardous Chemicals (MSIHC) Rules, 1989" (MSIHC Rules, 1989, as amended) and Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2008 and amended as on date.

## Proposed Pollution Control Measures

Air pollution Control System, Wastewater Treatment System, Solid Waste Management and Tree Plantation has been proposed along with installation of Rain water harvesting project.

The case was discussed in 192<sup>ed</sup> SEAC meeting dated 08/05/2015 wherein after deliberation and presentation PP was asked to submit response for the following queries along with the supporting documents -

- DIC Registration for changed Products / EC Valid if all the proposed products are registered with DIC.
- Inter-locking should be provided with reactions and pollution control facility.
- Lay-out of plant showing green belt / plantation area in 33% of plot area.
- Design & layout of ETP as per suggested modification by the committee.
- Being Chemical unit ó Rain ó water harvesting for GW recharge shall not be allowed.
- MSDS for all raw materials, intermediate and finished products to be furnished as per TOR.
- CSR activities ó details with budget.
- Method of storage of Hazardous wastes.
- Point no. 16, 17, 19, 20, 21, 24, 27, 33, 36, 54, 56 & 90 of TOR to be elaborated.
- Water-balance has to be revised in view of the discrepancy in the data used in the report.

PP has submitted the response to the above queries vides letter dated 06/10/15 which was placed before the committee in 255<sup>th</sup> SEAC meeting dated 02/01/2016. After deliberations committee decided that PP may be called for the query reply presentation in forthcoming meetings of SEAC.

The case was earlier scheduled in the 270<sup>th</sup> SEAC meeting dated 01/03/2016 wherein it was observed that neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. However, PP vide letter dated 29/02/2016 has requested for rescheduling of the case on 02/03/2016 but committee decided that PP may be asked to present their case in the forthcoming meetings of SEAC.

The queries were presented by the PP and their consultant for presentation wherein the submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of prior EC subject to the following special conditions:

1. VOC shall be regularly monitored in the work zone of the plant along with the other parameters and data shall be submitted to MPPCB and R.O of MoEF&CC.
2. VOC detection system with alarm should be installed.
3. The project authorities should comply with the provisions made in Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2008, Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended and the Public Liability Insurance Act for handling of hazardous chemicals etc.
4. Zero discharge condition should be maintained.
5. 95% solvent recovery is proposed by PP and efforts should be made for >95% recovery of solvent in subsequent years.
6. Waste Mother Liquor (High COD waste) and RO reject should be sent to CTSDF, Pitheampur, Dhar for final disposal.
7. PP should also explore the possibility of green belt development outside the plant premises in consultation with district authority.
8. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
9. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
10. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

[R.B. Lal, Chairman]

[K.P. Nyati, Member]

[Dr. U.R. Singh, Member]

[Dr. Alok Mittal, Member]

[Dr. Manoj Pradhan, Member]

[Dr. S. K. Iyer, Member]

[Dr. Mohini Saxena, Member]

[A.A. Mishra, Secretary]