

The 269th meeting of the State Expert Appraisal Committee (SEAC) was held on 29th February, 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. Shri Manohar K. Joshi, Member
7. Shri Rameshwar, Member

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

1. **Case No. - 2036/14 Shri Vivek Chugh, Director, 503, Chugh Reality, Scheme No. 54, Orbit Mall, Vijay Nagar, A.B. Road, Indore (MP)-452010 Environmental Clearance for approval of proposed residential project "Grande Exotica" Village-Bicholi Mardana, Tehsil & District-Indore (MP) For-Building Construction.**

This is a building construction project for Environmental Clearance for approval of proposed residential project "Grande Exotica" Village-Bicholi Mardana, Tehsil & District-Indore (MP).

Earlier the project was scheduled for presentation in the 188th SEAC meeting dated 02/05/2015 wherein it was recorded 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 accord a chance to PP for presentation and submission in coming meetings as per turn"*.

The case was again placed in the agenda for the presentation in this meeting wherein PP again remain absent. The committee observed the case is pending since last 10 months and two opportunities have been given to the PP for presentation but the PP remain absent. Thus committee after deliberations decided that the case may be recommended for delisting as it appears that PP is not interested to take-up the project.

2. Case No. – 2090/2015 Mr. Manishbhai B. Shah, Partner, S.M. Dye Chem, Plot No. 240/3, GIDC Estate, Vatwa, Ahmedabad-382445 Prior Environment Clearance for proposed S M Dye Chem Industries at Vill.-Meghnagar, Teh.-Jambua, District-Dhar (M.P.) PP Abs - 214 SEAC Meeting dt. 20/08/15

The project pertains to manufacturing of Dye Intermediates and the proposed project falls under item no 5(f) i.e. Synthetic organic chemicals hence requires prior EC from SEIAA before initiation of activity at site. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

Earlier the project was scheduled for presentation in the 214th SEAC meeting dated 20/08/2015 wherein it was recorded 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 placed in the agenda for the presentation in this meeting wherein PP again remain absent. The committee observed the case is pending since last 06 months and two opportunities have been given to the PP for presentation but the PP remain absent. Thus committee after deliberations decided that the case may be recommended for delisting as it appears that PP is not interested to take-up the project.

3. 2411/15 Shri Devang C Shah, Director, M/s Kewin Chemicals Pvt. Ltd., M-3/31, Ami Apartment, Near Telephone Exchange, Narayanpura, Ahmedabad-380013 (GJ) Environment Clearance for approval of proposed Manufacturing of 25 MT/Month Dyes Intermediates at Village & Tehsil-Meghnagar, District-Jhabua (MP) Cat. – 5 (f) PP Abs - 188 SEAC meeting dt. 02/05/15

The project pertains to manufacturing of Dye Intermediates and the proposed project falls under item no 5(f) i.e. Synthetic organic chemicals hence requires prior EC from SEIAA before initiation of activity at site. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

Earlier the project was scheduled for presentation in the 188th SEAC meeting dated 02/05/2015 wherein it was recorded 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 accord a chance to PP for*

presentation and submission in coming meetings as per turn”.

The case was again placed in the agenda for the presentation in this meeting wherein PP again remain absent. The committee observed the case is pending since last 10 months and two opportunities have been given to the PP for presentation but the PP remain absent. Thus committee after deliberations decided that the case may be recommended for delisting as it appears that PP is not interested to take-up the project.

4. Case No. – 2805/2015 Shri S.C. Mathur, Vice President, M/s Vista Organics (P) Ltd., Plot No. 06, New Industrial Area Phase-II Mandideep, District- Raisen (MP)-462046 Prior Environment Clearance for proposed Manuf. of bulk drugs Vitamins and Intermediate) expansion of existing unit at Plot No. – 06, New Ind. Area- Phase-II Mandideep, District- Raisen (MP) For ToR CONSULTANT; M/s Vardan Environet, Gurgaon

This is a case of Manufacturing of bulk drugs Vitamins and Intermediate. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Plot No. 06, New Industrial Area Phase-II Mandideep, District- Raisen. The project requires prior EC for expansion of existing unit before commencement of any activity at site.

Products and capacities

The Company proposes to Manufacture API and Fine Chemicals with Existing Capacity of 665MT/Annum.

The finished products with their capacities:

Niacin	: 75 MT/yr,
Iso Nicotinic acid	: 150 MT/yr,
Alpha Picolinic acid	: 25 MT/yr,
Zinc picolinate	: 25 MT/yr,
Chromium Picolinate	: 5 MT/yr,
Chromium Poly Nicotinate	: 5 MT/yr, Methyl
Nicotinate	: 10 MT/yr,
Niacinamide	: 150 MT/yr,
Isoniazid	:75 MT/yr,
Pyrazinamide	: 90 MT/yr,
Di picolinic acid	: 25 MT/yr, 2,3&3,5
Lutidine	: 30 MT/yr.

Requirement of land, raw material, water, power, fuel with source of supply (Quantitative)

Total land: 22,296.73 Sq. mt.

S.No.	Particulars	Land Area (m ²)
1.	Constructed Area	4514.81
2.	Plant production area	264.15
3.	Utility area	264.15
	Warehouse	
4.	RM Storage	90.00
5.	Other storage	1471.00
6.	Admin & other	2339.11
	Total Area of Plot	22296.73

Raw Materials:

From the domestic market and certain quantity will be import from any other country.

Source of Water Supply and water requirement:

The fresh water already procuring from MPAKVN (Madhya Pradesh Audyogik Kendra Vikas Nigam). The water will be used from the existing source. Total water requirement is **23.0 KLD.**

Description	Water Requirement (Lit.)	Evaporation Loss (Lit.)	Waste Water Generation (Lit.)	Water Recycled (Lit.)	Waste water Discharge (Lit.)
Process	5000	500	4500	2000	2500
Utility Boiler/ Cooling Tower/ Scrubber/ Purified Water Generation.	15000	4000	8000	7000	1000
Washing (House Keeping)	500	50	450	Nil	450
QC & R &D	1000	100	900	Nil	900
Domestic Use	2500	Nil	1500	Nil	1500
Gardening	3000	--	--	--	--
Total	23000	4650	14350	9000	5350

Note: 1. Top up fresh water used 14000 Lit./ day or 14.0 KLD
2. Waste water 5350 Lit treated at ETP then through softener plant recycled in cooling tower, use for cleaning purpose.

GREEN BELT DEVELOPMENT/ PLANTATION

Green belt development in and around the project site helps in to attenuate the pollution level. About 33% land area of project will be developed as green belt and it will be maintained in future also. Green belt will be developed as per Central Pollution Control Board (CPCB) Norms. The Avenue plantation will give priority to native species, and the periphery will be devoted to generation of green belt area.

- Green belt development in and around the project site will help in to attenuate the pollution level.
- Native species will be given priority for Avenue plantation.
- The periphery will be devoted to generation of green belt area.

The case was scheduled for the approval of proposed TOR in the 198th SEAC meeting dated 04/06/2015. During deliberation and as per the information submitted by the PP in the application, it was noticed that this unit has already undergone an expansion in the year 2008 and 2014 respectively without obtaining EC which constitutes the violation of EIA Notification, 2006 and thus credible action has to be initiated as per the provisions of OM dated 12/12/2012 issued by MoEF&CC, Delhi. In the light of above facts, the case is sent back to SEIAA for onward necessary action.

The case was discussed in 217th SEIAA meeting wherein it was decided to verify after a site visit whether PP has already made expansion in the plant by way of installing machinery etc. Once the validation is done, SEAC may send the recommendation to SEIAA for credible action.

As decided Shri K. P. Nyati, Member SEAC visited the site on 27/08/2015. During inspection, Dr. Abhaya K. Saxena, Sr. Scientific Officer, Dr. Avinash Karera, Chief Chemist, MP Pollution Control Board, Bhopal and Shri Jitesh, representing project were also present.

The inspection report was discussed in the 232th SEAC meeting dated 28/10/2015 and after deliberations committee decided that above report may be sent to SEIAA confirming on the basis of above report that M/s. Vista Organics Pvt. Ltd., have neither expanded their manufacturing facilities nor have made any changes in the product mix and thus recommendation made in the 198th SEAC meeting dated 04/06/2015 for credible action (as per the provisions of OM dated 12/12/2012 issued by MoEF&CC, Delhi) stands withdrawn and PP may be called for the presentation of TOR in the upcoming meetings of SEAC. On the basis of above IR, PP requested

for TOR presentation in SEIAA and their application was forwarded by the SEIAA vides letter no.8404 dated 30/11/2015 for necessary action.

The case was presented by the PP and their consultant for TOR in the 260th SEAC meeting dated 07/01/2016 wherein it was observed that as per the Form-1 submitted by the PP there are 12 proposed products but in TOR presentation raw material consumption of only 07 products are given. After deliberation committee decided that since PP has not submitted the detailed information about the raw material consumption they may be called again for TOR presentation after submission of relevant information as above.

The case was presented by the PP and their consultant wherein after presentation committee decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA with following additional TORs:-

- a. Worst case scenario with respect to water and hazardous waste be discussed in the EIA.
- b. Details of the Solvent recovery system for all the solvents proposed / existing in the process.
- c. MSDS of all the chemicals should be provided with the EIA report.
- d. List of all the additional equipments proposed to be installed with this expansion be provided with the EIA report.
- e. Out of proposed sampling locations for Air and Water Pollution Monitoring, Bhojpur Temple should be considered as one of the location for air and similarly Betwa River should also be considered as one of the sensitive location for water quality monitoring. VOC should also be monitored in air quality monitoring.
- f. PP has informed that data collection work has been initiated they may be permitted to use these data in the EIA. Committee permitted the PP to use these data in the EIA.
- g. The reason for which M. P. Pollution Control Board has issued notice to the unit and corrective measures taken/proposed by the PP should be discussed in the EIA report.

5. Case No.- 2888/2015 M/s Highway Infrastructure Pvt. Ltd., & Mr. Vivek Agrawal (Land Co-owners), 2. Prashant Sagar Builders Developers Pvt. Ltd., 57-FA, Scheme No. 94, Pipliyahana Junction, Ring Road, Indore (MP)-452016 Prior Environment Clearance for approval of proposed Construction of Residential Housing Project "Highway Karuna Sagar" at Khasra No. – 176/1, 177/3, 178/1, 179/4/2, Vill.-Kanadia, Teh.-Indore, District-Indore (MP) 26890.00 m²(approx 6.64 acres) Total Built-up Area- 48,447.78 m² (203rd meeting – Credible Action)Case discussed in 256 SEAC Meeting dt. 03/01/16 For-Building Construction Consultant: Env Development Assistance Syatem Pvt. Ltd, Lucknow.

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14th 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 on plot area of 26890.0 m² and total built-up area of 48,447.78 m². The project is proposed Khasra No. 6 176/1, 177/3, 178/1, 179/4/2, Village-Kanadia, 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.

Site Specific Details

Particulars	Details
Location	Khasra no. 176/1, 177/3, 178/1, 179/4/2, Village Kanadia, Indore, Madhya Pradesh
Coordinates	22043' 16.82" N and 75054'6.356E
Type of Industry	Building & Large Construction project
Category	B, Type- 8(a)
Current status of land Use	Residential Land use as per Indore Master Plan, 2021
Type of facilities	Residential, Commercial, Parks & Lush green open spaces
Nearest Road Connectivity	<ul style="list-style-type: none"> ▪ NH 3- Agra Mumbai Road- 2 km (W) ▪ Kanadia Main Road- 2 km (SW) ▪ NH-59A- 6.5 km (S) ▪ Eastern Ring road: 5 km (SW) ▪ M.R 10: 2.5 km (NW)
Nearest railway station	<ul style="list-style-type: none"> ▪ Indore Railway Station: 8.5 km (SW)
Nearest airport	<ul style="list-style-type: none"> ▪ Devi AhliyabaiHolkar Airport: 15 km (W)
Protected areas as per Wildlife Protection Act, 1972 (Tiger reserve, Elephant reserve, Biospheres, National parks, Wildlife sanctuaries, community reserves and conservation reserves)	<ul style="list-style-type: none"> ▪ RalaMandal Sanctuary: 10 km (SW)
Reserved/Protected Forests	<ul style="list-style-type: none"> ▪ Ralamandal- Devgurariya forest: 7km (SW)
Rivers/Lakes	<ul style="list-style-type: none"> ▪ River Khan: 4.5 km (W) ▪ River Saraswati: 8.5 km (NW) ▪ River Shipra: 13 km (NE) ▪ Bilawali lake: 11 km (SW) ▪ KhajranaTalab: 4.7 km (W) ▪ PipliyahanaTalab: 5 km (SW)

Industrial Area	▪ Sanwer Road Industrial Area: 10 KM (W)
STP/ Landfill site	▪ KabirKhedi STP: 9 km (NW) ▪ Landfill site Indore: 7km (S)
Archaeological important places	KrishnapuraChhatries, Lalbaug Palace, Khajrana Temple, Rajwada, Annapurna Temple, GeetaBhavan, KanchMandir&BadaGanpati lie within 15 km from proposed site.
Seismic zone	Seismic Zone II
Defense installations	Indore Cantonment Area: 15 km* (SW)

Area Detail

Items	Details
Total Plot area	26890.00 m ² (approx 6.64 acres)
Area under road widening	1643.91 m ²
Net Planning Area	25246.09 m ²
Ground Coverage	Permissible: 8,331.21 m ² (33%) Proposed: 8,222.68 m ² (32.5%)
FAR	Permissible: Net Planning Area FAR @ 1.5 x 25246.09 = 37869.13 m ² FAR against road widening @ 2x1.5x 1643.91 =4931.73 m ² Total Permissible FAR: 42,800.86 m² Total Proposed FAR: 42,800.86 m²
Non FAR Area	Informal Area: 1420.10 m ² Total Stilt area = 2,659.98 m ² Basement Area = 1366.84 m ² Other service area = 200 m ² Total Non FAR Area: 5646.92 m²
Total Built up area	48,447.78 m ² (FAR Area+ Non FAR Area)
Open & Parking	13058.72(51.5%)
Green Area	2524.60 (10%)
No. of Trees	Proposed: 120 Trees
Total Dwelling Units	Proposed Residential Units: 1051Units Proposed EWS Units: 57 Units
Estimated Population	Residential Population 5255 (@ 5 person per unit) EWS Population- 228 (@ 4 person per unit) Visitors →550 (10% of residential population) Staff→20
No. of Blocks/ Towers	4 Blocks (A-D)

Max. No of floors	S+6
Maximum Height	Approx 18 m

Salient Feature of the project

Items	Details
Total Dwelling Units	Proposed Residential Units: 1051Units Proposed EWS Units: 57 Units
Parking Required Parking provided	485 ECS 495 ECS
Power requirement& source	Power requirement: 2627 kVA Source of Power: MPSEB (Madhya Pradesh State Electricity Board)
Power backup (DG Sets)	Back up DG sets (as per requirement) 310 KVA (D.G. Sets ó 5 x 62 kVA)
Water requirement & source	Fresh water: 365 KLD (Municipal Water supply) Reuse of treated effluent from STP: 133 KLD Total water requirement: 498 KLD
Sewage treatment & disposal	The waste water generated from entire complex is 460 KLD, which will be treated in the STP of 550 KLD capacity at site. 133 KLD waste water will be treated up to tertiary level for reuses in the complex like toilet flushing, and horticulture purposes. Rest of Secondary treated water is discharged into municipal sewers.
Total solid waste generated	Approximately 2850 Kg/ day ó Municipal solid waste including 9 Kg/Day of horticultural waste & 21 kg/day of sludge will be generated, segregated and disposed as per MSW Rules, 2000 through hired agency for Handling & disposal of solid waste. E-waste of 2 kg/day will be collected and disposed off as per E-waste Management and Handling Rules 2011.

Water/ Waste water Details

S. No.	Water/ Waste water Details:	Quantity
1.	Fresh Water- Domestic Use	365 KLD
2.	Flushing Water	120 KLD
3.	Horticulture / Landscape	13 KLD

	Total water requirement	498 KLD
	Waste water	460 KLD
	Water Source	Municipal supply & Recycled water

Solid waste

S.No.	Particulars	Population	Waste generated in kg/day
1.	Residential (@0.5kg/day)	5483	2742
2.	Visitors (@0.15kg/day)	550	83
3.	Staff (@ 0.25kg/day)	100	25
Total Solid waste generated			Approx. 2850 kg/day
Horticulture Waste (@ .0037kg/sqm/day)			9 Kg/Day
E-Waste (0.15 kg/C/Yr) Considering residential and staff population			2 Kg/Day
STP Sludge			21 kg/day (dry weight)
Waste Oil (100 Liters/ MW Year) Assuming one maintenance cycle per year			Approx 263 liters

Chronology of the case

The case first applied for environmental clearance in MPSEIAA in 2011 but was turned down by authority as it was a violation of EIA notification 2006.

As per NGT (M.A.No. 89/2015 and 148/2015 and Original Application No. 193/2014 Paryavaran and Manav Sanrakshan Samiti Vs. M/s Highway Infrastructure Pvt. Ltd. & Ors) decision dated 19th march 2015, stating:

“....we directs that SEIAA may entertain the application submitted by Respondent No.1 and consider the same in accordance with law and also take various norms under the EIA Notification, 2006. We further direct that in case the SEIAA finds that the constructions have been raised in contravention of EIA Notification, 2006, it shall recommend and submit its recommendations before us with regard to steps which may be taken to bring the constructions within the permissible limits as also subject compensatory measures that may be taken by the project proponent. On submission of the application by the Respondent No.1, we direct that SEIAA would consider the application and make its recommendations to this Tribunal for consideration. This Tribunal would

also, in such event, consider the recommendation submitted by the SEIAA as also the issue on imposition of penalty as has been recorded in our earlier judgment. We grant four weeks time to Respondent No.1 for moving such as application also with copy of the order before SEIAA.”

In the meanwhile, all construction activates as ordered earlier shall remain stayed and no further possession of fats to the parties who may have invested in the project, shall be given. The list of present occupants shall be submitted to the District Collector who shall verify the same and take note of the facts.

The case was resubmitted *de novo* in MPSEIAA on 30.04.15 for grant of Environment Clearance as per EIA notification 2006.

The case was discussed in 203rd SEAC meeting held on 3rd July 2015 wherein it was observed that a submission from PP has been received at SEAC stating that construction activities have already been initiated at site. Thus it is a clear case of violation. SEIAA has forwarded the case with documents pertaining to credible action initiated against the PP for violation. It was decided to visit the site, before appraisal of the case, the same has been directed by SEIAA for violation cases.

As decided, Shri K. P. Nyati, Member SEAC and Shri Manohar K. Joshi, Member SEAC visited the site on 21/12/2015. During inspection, Dr. Abhaya K. Saxena, Sr. Scientific Officer, MP Pollution Control Board, Bhopal and Shri Sanjay Anand, Project Manager was also present.

OBSERVATIONS OF COMMITTEE DURING SITE VISIT

- Total land area of the project is 26890.00 Sq.m. and the proposed built up area of the project is 48,447.78 Sq.m.
- The Project is group housing with all the basic amenities wherein 15 blocks were to be constructed. During visit it was observed that 10 blocks have been constructed out of them 06 have been finished and builder has given possession in these blocks and remaining 04 are yet to be completed. Construction of 05 blocks is yet to be initiated by the builder.
- Entry/exit to the project site is through 45 m wide Kanadia road which is connected to the NH3 at a distance of approx 2.00 kms. Main entry exit is 9 m wide while all the roads for internal circulation are 6 m wide.
- There are 1051 no of flats distributed in 15 towers. Project Proponent is constructing 57 EWS flats on site. During site visit is informed by representative of PP that about 408 no. of units are already constructed and under possession.

- 6 m wide clear circular roadway is proposed along the periphery of the project for movement of fire tenders along with water storage tank of 15 KLD on each block with provisions for Fire hydrants.
- The water requirement for the residents is sourced through ground water supply and the sewage generated is being treated using on site STP. 925 KLD STP is already installed at site. Technology used for treatment process is FAB. STP tanks for the project were found installed underground with access through the manholes covered with cast iron lids. The project has dedicated treated water storage tank of 15 KL over each tower along with an underground treated water storage tanks. STP was found functional. An existing bore well is present inside the project boundary and is conserved with proper fencing and beautification.
- Dual plumbing is provided for recycle of treated water for flushing and gardening purpose. PP was instructed to provide color coded pipes for separate fresh and recycled water supply.
- As per PP, at present the segregated MSW along with dried sludge is being handed over to Municipal Corporation for final disposal. PP was asked to provide a 48 hour MSW collection area inside the project boundary along with color coded bins at various points for collection of waste material.
- Parking space in the project is provided in the stilt area and in the podium area. Dedicated visitor's parking is provided by the PP in the open area. During site visit PP was instructed to maintain proper traffic circulation in the stilt, basement area and peripheral roads through signage.
- 2 No of Rain Water harvesting structure are proposed for the harvesting of roof top runoff water. Piped network is constructed for collection of rain water. During site visit PP was instructed to ensure that only clean rain water enters the recharge system by flushing of first rain water.
- As informed by PP, 2524.6 Sq.m of area is dedicated for the landscaping purposes as per T&CP norms. Peripheral plantation is present on site. As per PP more than 120 trees have already been planted on site. During site visit PP was instructed to plant big saplings for peripheral plantation.
- Adequate recreation area is provided in the form of gardens and play grounds. Park furniture and proper lighting arrangements were present to spent leisure time. It was also suggested to the PP that soft play area be provided in children's playground.

- A small community center cum club house is also provided in the stilt area for the gathering of residents.

At the time of site visit committee members found that part construction has been done. However, members did not notice any ongoing construction activities at the time of inspection. There was no residual evidence of ongoing construction. Almost negligible construction material was lying on the site. Moreover, neither construction labors nor labor hutments were present at the site.

The report of committee was discussed in the 256th SEAC meeting dated 03/01/2016 and after deliberations; committee decided to call PP for presentation.

The case was presented by the PP and their consultant. 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 365 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 tree plants of large canopy. Green area at the site will be maintained by the project proponents, which would have an overall cooling effect on the surroundings.
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 street lighting system should be provided.
8. Fund should be exclusively earmarked for the implementation of EMP.
9. MSW storage area should have 48 hours storage capacity.
10. PP should obtain CGWB permission for abstraction of ground water or permission of concerned authority for fresh water supply as per OM of SEIAA no. 4253 dated 03/08/2015.
11. PP should obtain permission of concerned authority for disposal of municipal solid waste as per OM of SEIAA no. 4253 dated 03/08/2015.
12. PP should obtain permission of concerned authority for disposal of excess treated water through municipal drain as per OM of SEIAA no. 4253 dated 03/08/2015.
13. PP will obtain other necessary clearances/NOC.
14. Provision for physically challenged persons be made so that they easily excess pathway/derive way for their vehicles.

15. PP should provide double entry and exit as per the submitted plan.
16. Soft play area should be provided by PP for children's recreational activities.
17. PP may explore the possibility of providing solar water heating systems for club.
18. 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.

6. Case No. – 3120/2015 Mr. Sanjeev Agarwal CMD Sagar Plaza, 250, zone 2 M.P Nagar Bhopal M.P. - 462016 Prior E.C for approval of proposed Construction of Group housing Project “Sagar Eden Garden” at Khasra No.-447, 449/1, 447, 449/2, 447, 449/3, 449/1/1 Vill.-Bawadiya Kalan, Teh.-Huzur, District-Bhopal (M.P.) Total Project Area-10687.51 sq.m. Total Build up Area-22850 sq.m.For- For-Building Construction Consultant: Env Development Assistance Syatem Pvt. Ltd, Lucknow.

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14th 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.

Site Specific details

Particulars	Details
Location	Construction of proposed Group Housing Project “ Sagar Eden Garden ” at Khasra No. 447, 449/1, 447,449/2, 447,449/3, 449/1/1 at Village-Bawadiya kalan, Tehsil-Huzur, District- Bhopal, Madhya Pradesh, India
Type of Project	Building and large construction project
Category	B, Type- 8(a)
Elevation (m)	466 m above mean sea level
Latitude and Longitude (mentioned in Fig 4)	Point 1 - 23°10'35.80"N; 77°27'45.17"E Point 2 - 23°10'34.91"N; 77°27'44.05"E Point 3 - 23°10'34.51"N ; 77°27'42.84"E Point 4 - 23°10'33.43"N; 77°27'43.69"E Point 5 - 23°10'33.96"N ; 77°27'44.71"E Point 6 - 23°10'32.64"N ; 77°27'46.39"E Point 7 - 23°10'33.84"N ; 77°27'48.87"E

Current status of land	Residential Landuse as per BDA Master Plan, 2005
Type of facilities	Housing with basic amenities
Nearest Highway	Bhojpur road (NH-12) (E) Bhopal Bypass road (E)
Nearest railway station	Misrod Railway is 1 km (SE) Habibganj Railway Station is 5 km (NE)
Nearest airport	Raja Bhoj International Airport, Bhopal ó 21 km (NW)
Protected areas as per Wildlife Protection Act, 1972 (Tiger reserve, Elephant reserve, Biospheres, National parks, Wildlife sanctuaries, community reserves and conservation reserves)	Van Vihar National Park is 10 km (NW)
Rivers/Lakes	Kaliasot River ó 2.5 Km (W), Shahpura lake ó 5.0 km (NW)
Seismic zone	Seismic Zone-II as per BIS 2002 map.
Defense installations	---

Area Statement

S. No	Items	Details
1.	Type of Building	Residential
2.	Total Land Area	10,687.51 sq mt
3.	Area Under 24 m wide road widening	1,389.48 sq mt
4.	Net Planning Area	9,298.03 sq mt
5.	Ground Coverage	Permissible: 2,789.41 sq mt (30%) Proposed: 2,789 sq mt (30%)
6.	FAR	Permissible: 15,096.23 sqm (Permissible FAR for Housing = $1.25 \times 9,298.03 = 11,622.53$ sqm (A) Additional FAR of area under road widening (As per Rule 61 of MPBVN-2012) = $1.25 \times 1,389.48 \times 2 = 3,473.70$ sqm (B) Total (A + B) = 15,096.23 sqm) Proposed: 15,095 sqm
7.	Total Basement area	Total basement area – 3,787.33 sqmt
8.	Total Stilt area	2,789.49 sqm
9.	Area open for services	92.90 sqm

10.	Informal sector	1,085 sqm
11.	Built up area (as per MoEF)	22,850 sq mt (15,095 sqm FAR + 2,789.49 sqm stilt area +3,787.33 sqm basement area + 1,085 sqm builtup area of informal sector +92.90 sqm service area)
12.	Total open area	6,508.53 sq mt
13.	Internal roads and Paved area	5,578.7sqm
14.	Green Area	Proposed: 929.8 sq mt (10% of plot area)
15.	No. of Trees (Required-1 Tree/100 sqm of open area)	Required: 65 Trees Proposed: 100 Trees
16.	Number of floors	S+6 floors
17.	Parking facilities	Required Parking: 166 vehicle space Provided Parking: 203 vehicle space
18.	Power requirement & source	750 kVA Source : Madhya Pradesh Kshetra Vidyut Vitran Company Limited
19.	Power Backup	1 DG set of 125 kVA
20.	Water Requirement and Source	Fresh Water Demand : 103 KLD Recycled Water: 72 KLD Total Water Demand : 175 KLD Source: Municipal supply
21.	Total Dwelling Units	Residential: 192 LIG/EWS 6 33
22.	Estimated Population (fixed + floating)	Residential 6 960 (@5 person per unit) LIG- 165(@5 person per unit) Visitors 6 110 Staff-55
23.	Height of the Building	Basement + Stilt + 6 floors (21m approx)

Water Balance in Operation Phase

S. No.	Description	unit/Area (in m ²)	Total Occupancy	Rate of water demand (lpcd)	Total Fresh Water (KLD)	Total Flushing/Recycled water (KLD)	Total Water Requirement (KLD)
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1.	Residential	192 Units	960	<i>Fresh Water @ 90 LPCD Flushing Water @ 45 LPCD</i>	86	43	129
2.	EWS /LIG	33 units	165	<i>Fresh Water @ 90 LPCD Flushing Water @ 45 LPCD</i>	15	7.5	22.5
3.	Staff	5% of total population	55	<i>Fresh Water @ 30 LPCD Flushing Water @ 15 LPCD</i>	1.7	0.8	2.5
4.	Visitors	10% of total population	110	<i>Fresh Water @ 5 LPCD Flushing Water @ 10 LPCD</i>	0.55	1.1	1.65
Total Domestic water					103	52.4	155.6
6.	Horticulture and Landscape development	929.8 sqm		5 l/sqm	--	4.6	4.6
7.	Vehicle, Road washing and other low end uses				--	15	15
Total Water Requirement					103	72	175

	Grand Total =175 KLD
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Solid waste generation form the project

S.No.	Particulars	Population	Waste generated in kg/day
1.	Residential (@0.5kg/day)(including LIG)	1125	562
2.	staff (@0.15 kg/day)	55	8
3.	Visitors (@0.15kg/day)	110	15
Total Solid waste generated			Approx. 585 kg/day
Horticulture Waste (@ .0037 kg/m ² /day)			4 Kg/Day
E-Waste (0.15 kg/C/Yr)			< 1 Kg/Day

Parking details

Required Parking		
According to MoEF norms:		
@ 1 ECS for 100 m ² permissible FAR area (15,095 /100)		151 ECS
10% Visitorø Parking		15 ECS
Total Required Parking		166 vehicle space
Parking Provided		203 vehicle space
Parking Space Available	Area (sqm)	Parking
Four Wheeler Parking		
Basement parking @ 35 m ² per ECS	3400 sqm (excluding area for services)	97 ECS
Stilt parking @ 30 m ² per ECS	2200 sqm (excluding area for services)	73 ECS
Open Parking for EWS/LIG @ 25 m ² per ECS	825 sqm	33 ECS
Total	6425 sqm	203 vehicle space

This is a residential project comprising building construction for with Total Project Area-10687.51 sq.m. and Total Build up Area-22850 sq.m. The project is proposed Khasra No. ó 447, 449/1, 447, 449/2, 447, 449/3, 449/1/1 Vill.-Bawadiya Kalan, Teh.-Huzur, District-Bhopal (M.P.) 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.

A submission/violation resolution from PP has been received stating that construction activities have already been initiated at site. Thus it is a clear case of violation. SEIAA has forwarded the case with documents pertaining to credible action initiated against the PP for violation. It was decided to visit the site before appraisal of the case, as the same has been directed by SEIAA for violation cases as per their policy decision in 204th meeting dated 30/05/2015.

7. **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 (MP)-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 (MP) Total Land Area – 66257 M2 Plotted Development Area - 52773 M2. For-Building Construction.**

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14th 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. ó 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 scheduled for the presentation today but 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.

8. **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 m² Road Widening Area – 1842.00 m² (1458 m² Plotted development + 384 m² for group housing) Net Land Area for Project – 116478.00 m² (80886 m² for Plotted development) = (35592 m² for group Housing) = 116478 M².

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14th 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 with Total Project Area ó 118320.00 m² Road Widening Area ó 1842.00 m² (1458 m² Plotted development + 384 m² for group housing) Net Land Area for Project ó 116478.00 m² (80886 m² for Plotted development) = (35592 m² for group Housing) = 116478 M². 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.

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.

9. **Case No. - 4153/15 Shri Anurag Maheshwari, Director, M/s Shri Shristi Construction Pvt. Ltd., Khasra No. 379/4, Bijalpur, Opposite Phalbag, A.B. Road, Indore- (M.P.) 452012 Prior Environment Clearance for approval of proposed Construction of Group "Avasa" at Khasra no.-806, 807/1, 807/2, 808/1 part, 808/2, 812, 814, 815, 818/1, 818/2, 819, 820, 821, 822 part 823 part, 824 part, 825, 826, 817/1, 817/2 part, 827, Village-Bijalpur (Near Plabag), Tehsil-Indore, District-Indore (MP) Total Project Area – 20550.000 m² Road Widening Area – 85.000 m² (342 + 4118) Net Land Area for Project – 20465.00 m².For-Building Construction.**

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14th 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 with *Total Project Area – 20550.000 m² Road Widening Area – 85.000 m² (342 + 4118) Net Land Area for Project – 20465.00 m²*. The project is proposed Khasra No. ó 806, 807/1, 807/2, 808/1 part, 808/2, 812, 814, 815, 818/1, 818/2, 819, 820, 821, 822 part 823 part, 824 part, 825, 826, 817/1, 817/2 part, 827, Village-Bijalpur (Near Plabag), 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.

Case was presented by PP and their consultant. During presentation and deliberations, it was observed that the site is within 10 Km radius of Ralamandal Abhyaran (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 to competent authority for NBWL clearance and a copy of the application may be submitted to SEAC for further appraisal of the project.

10 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 m² Road Widening Area – 4461.000 m² (342 + 4118) Net Land Area for Project – 38109.00 m². For-Building Construction.

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14th 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 with *Total Project Area ó 42570.00 m² Road Widening Area ó 4461.000 m² (342 + 4118) Net Land Area for Project ó 38109.00 m²*. The project is proposed Khasra No. ó 22/1/1, 22/2, 23, 25/1, 26/1/2, 2/2/1, Village-Arandiya, Near Talawalichanda 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.

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.

11 Case No. 4155/15 Mr. Ashok Verma, Project-In-Charge, Modi Mansion, 1st Floor, EB-250, Scheme No. 94, Opp. Bombay Hospital, Ring Road, Indore (MP)-452002

Prior Environment Clearance for approval of proposed Construction of residential unit "Saptrishi Avenue" at Khasra no.-27/2/1, 29/1, & 31/2/1, Village-Bhangarh, Tehsil-Indore, District-Indore (MP) Total Plot Area – 21180.00 Sqm Permissible Ground Coverage – 6034.80 Aqm (30%) Built Up Area- - 31770 Sqm. For-Building Construction.

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14th 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 with Total Plot Area ó 21,180.00 Sqm Permissible Ground Coverage ó 6034.80 Aqm (30%) Built Up Area- 31,770 Sqm. The project is proposed Khasra No. ó 27/2/1, 29/1, & 31/2/1, Village-Bhangarh, 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.

	Details
Name of project	õSAPTRISHI AVENUEö- Residential housing project
Address	Khasra No 27/2/1,29/1,31/2/1 at Village Bhangarh, Tehsil & District-Indore, M.P.
Applicant	B.S.M. Shelter Estate India Pvt. Ltd., Modi Mansion, 1 st Floor, EB-250 Scheme No. 94, Opp. Bombay Hospital, Ring Road,Indore (M.P.)
Name of the proponent	Mr. Ashok Verma, Project Incharge/ Authorized Signatory
S. No. in Schedule	8(a) { Building and Construction projects × 20,000 sq. m. and <1,50,000 sq. m. of built-up area }
Category of project	B2
Plot area	21,180.00 sq. m.
Surrendered area	1064 sq. m.
Net Planning Area	20,116 sq. m.
Built up area	31,770 sq. m.
Ground coverage	Permissible- 30% (6034.80 sq.m.) Proposed - 26.17% (5263.23 sq.m.)
Green Area	23.20 % (4868.14 sq. m.)

Project facilities	4 residential blocks comprising of 528 dwelling units (1 BHK: 144 nos., 2 BHK: 360 nos., 3 BHK: 24 nos.) and EWS block (24 dwelling units)
Population	2760
Parking facilities	332 Cars
Water requirement & source	Total Water Demand : 270 KLD Fresh water : 189 KLD Treated water : 81 KLD
Sewage Treatment & disposal	STP of 300 KLD Based on FAB technology
Solid waste generation	1542 kg/day
Power requirement & source	1495 KW Source: MPSEB
Emergency back up	2 nos. of 82.5 kVA DG sets

WATER REQUIREMENT:

Operation Phase: The total water demand during operational phase is estimated as 404 KLD { @135 LPCD } as per CPHEEO standards (270 KLD fresh water + 134 KLD treated water for flushing, landscaping). The fresh water demand is proposed to be met through municipal water supply. Application for the same has been submitted and the approval of the same is expected soon.

Water conservation techniques such as use of dual flushing fixtures, low flow faucets, showerheads are envisaged for the project (as recommended by Ministry of Environment, Forests & Climate Change), thereby reducing the total water demand to 270 KLD (189 KLD fresh water + 81 KLD treated water for flushing, landscaping). Thus, the total water demand will be reduced by 33%.

WASTE WATER MANAGEMENT:

The waste water generated to the tune of 229 KLD will be treated in STP based on FAB technology of capacity 300 KLD (considering 20% additional load). The treated waste water will be utilized for flushing (75 KLD), landscaping (6 KLD)

POWER REQUIREMENT:

The estimated electrical load is 1495 KW. There will be provisions of power back up to common

areas and essential services through 2 DG sets of cumulative capacity 165 kVA (82.5 kVA- 2 nos). The fuel requirement is estimated as 28.6 l/hr (@14.3 ltr/hr/DG set). DG sets conforming to the CPCB standards will be deployed. D.G. set will be provided with effective stack height as per the norms of CPCB above the roof of the D.G. house. Low sulphur content fuel (HSD - Sulphur content 0.05%) will be used.

PARKING NEEDS:

The parking needs as per the T&CP approval is 332 ECUs

SOLID WASTE MANAGEMENT:

The total solid waste generated during operational phase is estimated as 1542 kg/day. The solid waste will comprise biodegradable waste e.g. domestic waste, food waste, horticultural waste etc. and recyclable waste, like plastic, paper etc. For estimating the quantum of waste following assumptions are taken into consideration.

Management System:

- Colour coded waste collection system will be used within the complex.
- The waste will be transferred to Transfer Station.
- Personnel engaged in the collection, segregation and composting will be trained and demonstrated to make them proactive and efficient in the solid waste management practices.
- Grass clippings from the mowing of the lawns shall be collected separately and converted into manure.
- The waste shall be handled according to Municipal Solid Waste (Management and Handling) Rules 2000.
- Bio-medical wastes to be generated from the health centers, shall be handled as per the Biomedical wastes (management and Handling) Rules, 2003. These wastes will not be stored or disposed with other municipal wastes and stored at the facility for no more than 24hours.
- E-waste shall be collected stored and disposed in accordance with E-waste Management Guidelines.
- Hazardous Wastes (Management, Handling and Trans boundary Movement) Rules, 2008 will be strictly followed.
- Horticultural waste which will be collected at the secured location such that it will not hinder daily activity schedule or washed away by the surface run off causing choking of drains, etc. and will be separately disposed off along with biodegradable waste.

GREENBELT DEVELOPMENT:

An area of about 23.20% (4868.14 sq.m.) will be under landscape. About 315 trees will be planted along the periphery and road side.

The case was deferred for the presentation on 01/03/2016 on the request of PP.

- 12 Case No. - 4156/15 Shri Manoj Verma, Territory Coordinator, M/s Bharat Petroleum Corporation Limited, BPCL LPG Bottling Plant, Bhopal-Indore by Pass Road, P.O. Bhour, Bakania, Bhopal (M.P.) 462030 Prior Environment Clearance for approval of Expansion of Construction of New Mounded Storage Vessels 3 Nos. x 300 MT each, Cylinder Pressure Testing Shed with two Paint Booths, Addition of two Unloading Bays, Addition of one DG Set 500 KVA, Construction of Underground Diesel Tank 20 KL for Captive use, Construction of Tank Lorry Parking at LPG Bottling Plant, Bakania. at Khasra no.-37 & 21, Village-Kolukhedi, Tehsil-Huzur, District-Bhopal (MP) Capacity – 22 TMTPA Cylinder Bottling Capacity Proposed Capa. – 90 TMTPA Existing Area= 11.6 Acres Proposed Area – 12.2 Acres. Consultant: M/s ABC Techno Labs India Pvt. Ltd, chennai.**

PROJECT PROPOSAL

The project proposal is to set up Construction of new mounded storage vessels 3Nos. X 300 MT each, Cylinder Pressure Testing Shed with two Paint Booths , Addition of two Unloading Bays, Addition of one DG Set 500 KVA, Construction of Underground Diesel Tank 20 KL for captive use, Construction of Tank Lorry Parking at LPG Bottling Plant, Bakania.

EXISTING Facilities

The LPG bottling plant located at Bakania near Bhopal handles 22000MT of LPG per year with bottling facility of 7000 cylinders/day. The existing facilities of the bottling plant are as follows:

Sl.No.	Name of Items	:	Capacity
01.	Storage Tanks for LPG	:	2 Nos. A/G Bullets (2x100 MT)
02.	Safety Valves on Storage	:	2 Nos.

	Tanks		
03.	Set Pressures (Kg/Cm ² g)	:	14.2
04.	Discharge Height (Metres)	:	2.5 M to 3.0 M
06.	Unloading Bay	:	2 Bays
07.	No. of tankers to be unloaded at a time	:	2 Nos.
08.	No. of Carousel	:	1 (Electronic Carousel of 12x18 stations)
09.	LPG Pumps	:	2 x 27 m ³ /hr
10.	LPG Compressor	:	1 x 65 CFM
11.	Air Compressor	:	1 x 200 CFM
12.	Air Drying Unit	:	1 x 200 CFM
13.	DG Set	:	1 x 250 KVA
14.	Fire Water Storage	:	2 x 1900 KL (A/G)
15.	Fire Water Pumps	:	3 x 450 KL/Hr
16.	Jockey Fire Water Pumps	:	2 x 16 m ³ /hr

Utility Services

The utility facilities for smooth operation of the main plants are as under:

- a) Road Tanker (TLD) Shed

- b) LPG Pumps & Compressor House
- c) LPG Empty Cylinder Storage
- d) LPG Filling Shed
- e) Filled Cylinder Storage Shed
- f) Air Compressor Unit
- g) Air Drying Unit
- h) DG Sets
- i) Fire Water Storage
- j) Fire Water Pumps
- k) Jockey Fire Water Pumps
- l) Potable & Service Water System
- j) Filling / Empty cylinder shed
- k) Filled Cylinder Shed
- l) Valve Change Shed
- m) Bulk loading/unloading Bay (2 Nos.)

Off-Site Services

Following off-site facilities are available for smooth operation of the proposed storage facilities:

- a) Admn/Amenity building.
- b) Security Cabin
- c) Parking Shed (Cycle/Scooter)
- d) Time Office/Dress change Room/Toilet
- e) Weigh Bridge
- f) Transformer Yard
- g) Electrical Panel Room
- h) D.G. Set Room
- i) Inspection Platform
- j) Tank Lorrys Parking Area
- k) PCV Crew Rest Room
- l) Bore Well
- m) Engg. Stores
- n) Air Compressor

Project Location

The LPG bottling plant of BPCL is located in Bhauri village near Bakania in Bhopal district of Madhya Pradesh State. The storage and bottling terminal is at Bakania, about 25-Kms from Bhopal

City, on a vacant 5 acres plot available adjacent to the premises of existing POL Depot of BPCL. The POL Depot is spread over an area of about 35 acres of land owned by BPCL. The entire area of 35 acres of land has been declared as area earmarked for storage and handling of petroleum products by State Government. The vacant land for the proposed Mounded Storage Vessel is a barren land full of bushes. The entire area is devoid of vegetation. The proposed plot of about 5 acres of land does not require felling of trees.

A railway line which connects Bhopal to Indore passes adjacent to the boundary of proposed site in northern direction. The railway siding area of POL Depot is located in northern direction of the oil depot. Only three industrial units are located around LPG Bottling Plant. The first industrial unit is the POL Depot of BPCL which is located adjacent to proposed site. The second industrial unit is Oil Depot of M/s Reliance Petrochemicals, which is located at a distance of about 1.0-Km in north north-western direction of proposed site. The third industrial unit is the LPG bottling plant of IOCL, which is located in south-western direction at a distance of about 1-Km. Besides above industrial units; the entire area around proposed LPG bottling plant presents rural outlook. State Highway No-18 which connects proposed site to Bhopal City is located in western direction and is located merely at a distance of about 50-metres from boundary of POL Depot. Besides above the proposed site is surrounded by agricultural land presenting a rural outlook.

Geographically the LPG bottling plant site is located at 77°15'39.31" east longitude and 23°15'45" north latitude. Some important villages which are located within 10-km of the bottling plant are Bhauri, Bakania, Barkheda, Kolu Kheda etc. The nearest railway station is located at a distance of approximately 1-Km POL Depot. The nearest State Highway is SH-18 which passes merely at a distance of about 50-metres in north-western direction. The nearest National Highway is NH-12 is located in north-eastern direction at a distance of about 9-Kms. The topography of the site is more or less flat without undulation. The main broad gauge railway line is located about 100-m away from the boundary of proposed site.

Fire Protection:

Fire protection facilities are designed to fight one major fire (single largest risk) as per design philosophy given in OISD 117. Water spray system are provided for existing LPG Bullets, Pump Houses and Sheds.

Safety distances between facilities are provided as per PESO/ OISD norms. Also, fire water tanks and pumps are located more than 30 m away from risk area (including proposed tanks) as stipulated by OISD 117. Required number of firewater pumps and jockey pump are provided to

take care of the fire hydrants. Four hours pumping capacity are provided for fire water storage in two tanks of 3800 KL each.

There is a well laid out ring main system around the hazardous area which are provided with fire hydrant points and monitors as per requirements of OISD-117. In addition, adequate number of portable fire extinguishers of dry chemical type is also provided. The additional tanks proposed also will be provided with a fire hydrant system all around and water sprinkler system as required.

The case was presented by the PP and their consultant wherein after presentation committee decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TORs:-

1. Site specific risk assessment study should be carried out and same should be submitted with EIA report.
2. Data already collected can be used in EIA report.
3. VOCs should be monitored with other air quality monitoring parameters.
4. Compliance of earlier EC conditions be submitted through MoEF&CC.

13 Case No. - 4259/2015 Shri Achin Aggarwal, Chief Executive Officer, M/s Prime Gold – SAIL JVC Ltd., 701, New Delhi House, Barakhamba Road, Cannaught Place, New Delhi-110001 Prior Environment Clearance for approval of expansion of Bars & Billets Manufacturing Unit, Expansions Capacity of TMT Bars- 2,50,000 MTPA, Billets – 2,00,000 MTPA Processing Area – 12,204 M2 Project Size Area – 1,41,639.98 M2 (Existing Capacity of TMT Bars Manuf. - 28,000 MTPA, Processing Area – 12,204 M2) at Khasra No.- 3623, Village-Billaua, Tehsil-Dabra, District-Gwalior (MP) Consultant: M/s Kadam Environmental Consultants, Delhi.

The case was presented by the PP and their consultant wherein after presentation committee decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TORs:-

1. Details of Air Pollution Control Systems proposed in induction furnace should be discussed in the EIA report.
2. Proximate and ultimate analysis of coal with calorific value should be provided in the EIA report.
3. Compliance of consent conditions of the M. P. Pollution Control Board through regional officer, Gwalior.

4. Existing level of SO₂ in the re-heating furnace in mg/NM³ and stack height should be provided with the EAI report.
5. Permission from CGWB should be obtained for abstraction of ground water.

14 Case No. 2129/15 Mr. Vijay Singh Rawat, General Manager and Plant Head, Ranbaxy Laboratories Limited, (New Name M/s Sun Pharmaceutical Industries Ltd.) Plot No. - K 5, 6, 7 & 10 Ghirongi Ind Area, Vill.-Malanpur, Th.-Gohad, Bhind (M.P.) Prior Environment Clearance for approval of modernization of existing consent at Vill.-Malanpur, Th.-Gohad, Bhind (M.P.) Product – Sythetic Organic Chemicals – 102 TPA (As per Water/Air Consent), Total Plot Area – 44255 m². Consultant: M/s Kadam Environmental Consultants, Delhi.

Project	:	M/s Sun Pharmaceutical Industries Ltd.) Plot No. - K 5, 6, 7 & 10 Ghirongi Ind Area, Vill.-Malanpur, Th.-Gohad, Bhind (M.P.) Product – Sythetic Organic Chemicals – 102 TPA Total Plot Area – 44255 m ² .																						
Location of Project Site	:	Plot no. K 5, 6, 7 & 10 Ghirongi Industrial Area, Malanpur, District Bhind, Madhya Pradesh																						
Land Acquired	:	44225 m ²																						
Cost of the Project	:	INR 69.63 Crores + INR 5.2 crores on Environmental Upgradation																						
Production Capacity	:	Product Name		Existing Capacity in TPA as per Consent																				
		Alpha Keto Ester		36																				
		Bicyclo Ketone		36																				
		Imipenems		5																				
		Other penems		5																				
		Enol Phosphate		20																				
		Total		102																				
Fuel Consumption	:	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Stack Attached to</th> <th>Capacity</th> <th>Stack Nos.</th> <th>Type of Fuel used</th> <th>Fuel consumption</th> <th>Stack Height, m</th> <th>Stack Dia., inch</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>							S. No.	Stack Attached to	Capacity	Stack Nos.	Type of Fuel used	Fuel consumption	Stack Height, m	Stack Dia., inch								
S. No.	Stack Attached to	Capacity	Stack Nos.	Type of Fuel used	Fuel consumption	Stack Height, m	Stack Dia., inch																	

	As per Consent							
	1	Boiler	2.5 TPH	01	FO	190 Lt/Hr.	30	20
	2	DG Set	1250 kVA	01	HSD	270 Lt/Hr.	30	10
	3	DG Set	500 kVA	01	HSD	150 Lt/Hr.	7	06
	Required to Install							
1	Boiler	4 TPH	01	FO	300 Lt/Hr.	30	30	
Process Vents	:	A common vent for process reactors of 15m height. Caustic scrubber system is attached to scrub acid fumes.						

ITEM	As per Consent			Due to Upgradation of facilities		
Power	Contract Demand: 1000 kVA.			No change in contract demand		
DG Set	2 Nos.: 300 kVA & 500 kVA			2 Nos.: 1250 kVA & 500 kVA		
Water Source	Industrial Infrastructure Development Corporation (IIDC) and Borewell					
Water Consumption quantity in KLD	Industrial : 96		Domestic: 10	Industrial: 143.		Domestic: 15
	Manufacturing 30	Utilities/EMS 66		Manufacturing 30	Utilities/EMS 113.5	
Effluent Generation in KLD	Industrial : 37		Domestic: 7.5	Industrial:49.5		Domestic: 12.5
	Manufacturing 30	Utilities/EMS: 7		Manufacturing 30	Utilities/EMS: 19.5	
Effluent Treatment	44.5 KLD industrial and domestic wastewater was treated in ETP			10 KLD (high COD high TDS) : Steam Stripper, MEE, ATFD + 5KLD Recycling RO-CIP 49.5 KLD Industrial +12.5 KLD Domestic will be treated in ETP		

Effluent Disposal	Onland for irrigation	Zero Liquid Discharge
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Solid / Hazardous Waste Management and Disposal:

Hazardous Waste Generation	As per Consent	Due to upgradation of facilities
Used Oil	2.0 MT	2.0 MT
Distillation residue waste	80.0 MT	80.0 MT
Process residue and waste	5.0 MT	5.0 MT
Spent catalyst and carbon	5.0 MT	5.0 MT
Date expired/ discarded/ off specification drugs/ medicines	2.0 MT	2.0 MT
Discarded barrel / containers	4.0 MT	10 MT
Chemical sludge from ETP	10.0 MT	35 MT
Spent ion exchange resin	0.6 MT	0.6 MT
Filters and filter materials which have organic material (MEE / ATFD/ ANF/ Centrifuge/ PNF Filter, Bags/ Carbon & Sparkler Filter pads.)	44.0 MT	50.0 MT

Earlier, the case was presented by the PP and their consultant in the 167th SEAC meeting dated 10/01/2015 wherein while going through the presentation and submissions made by the PP and his consultant committee decided that following details may be obtained from MPPCB before any further action in the matter:

- What changes in product-mix / modernization have been allowed to the industry after September 2006?
- What changes in pollution-load with changed product-mix / modernization have been observed by the MPPCB?
- Has industry violated the provisions of EP (Act) at point of time-details thereby and the action taken (if any).

The case shall be considered for further action after receiving above information from MPPCB.

The reply of MPPCB was received wherein MP PCB has stated that due to increases in pollution load as unit has installed 2.5 Ton capacity boiler and proposed an additional boiler of 4.00 Ton/hour EC is required and the case was scheduled for the presentation in the 264th SEAC meeting dated 12/01/2016 but neither PP nor his authorized representative was present to represent their case. The person who came for the presentation on behalf of PP could not produce the proper authority letter from the PP and thus the case was deferred. The case may be scheduled in forthcoming meeting.

The case was scheduled for the presentation wherein PP and their consultant were present. During presentation it was observed that PP has already installed/ upgrade the facility. It may be noted that the increase in pollution load happened because of implementing following improvements mandated by M. P. Pollution Control Board under the Water Act, 1974 and Air Act, 1981:-

- a. Up gradation of the solvent recovery system to achieve minimum level of 95% of solvent recovery.
- b. Installation of MEE to take care of high COD load waste water.
- c. Installation of additional boiler and cooling tower to run the above MEE.

All the above improvements are directed by M. P. Pollution Control Board for the environmental protection measures. However, for above issue,

the MoEF&CC circular F.No. J-11013/41/2006-IA-II(I) dated 14/12/2006 read as follows:

“Projects involving modernization of the existing units with increase in the total production capacity beyond the threshold limit specified in the schedule to the notification, through change in process or technology or change in the product mix or debottle-necking or combination of these, involving increase in pollution load will obtain prior environmental clearance from the concerned regulatory authority under the EIA notification, 2006”.

The PP approached SEIAA for EC in 2014 as unit name M/s Ranbaxy Laboratories Limited, and later on in 2016 submitted the revised from -1 with new name as M/s Sun Pharmaceutical Industries Ltd., Malanpur, Bhind. During presentation PP submitted that to comply with the consent conditions they have installed a Tertiary Treatment System Multi Grade Filter (MGF), Activated Carbon Filter (ACF), Reverse Osmosis (RO), Thermal System (Steam Stripper,

Multiple Effect Evaporator (MEE), Agitated Thin Film Dryer (ATFD) Solvent Recovery system and auxiliary facilities were installed to support the above which includes cooling tower, chilling plant, Enhanced Boiler and Enhanced DG set.

As the PP has already installed the above stated equipments apparently it attracts the provisions of EIA Notification, 2006. The committee therefore decided to seek from PP the position on the issue and also decided to obtain clarification from M. P. Pollution Control Board based on above submission of PP and applicability of Environmental Clearance in this situation.

[R.B. Lal]
Chairman