

The 338th meeting of the State Expert Appraisal Committee (SEAC) was held on 02nd January, 2019 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Dr. Sonal Mehta, Member.
4. Shri Prasant Srivastava, Member.
5. Dr. R. Maheshwari, Member.
6. Dr. Rubina Chaudhary, Member

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

1. **Case No. - 5731/2018 M/s Speciality Organics Pvt. Ltd, Plot No. 837 to 842, Sector-3, Pithampur Industrial Area, Bagdoon (Processing Area), Pithampur, Distt. - Dhar (M.P.) Prior Environment Clearance for Manufacturing of Synthetic Organic Chemical and Agrochemicals at Plot No. 837 to 842, Sector-3, Pithampur Industrial Area, Bagdoon (Processing Area), Pithampur, Distt. - Dhar (M.P.) Cat. - 5(f) Project Synthetic Organic Chemicals Industry (dyes & dye intermediates; bulk drug).Env. Con-M/s Enviro Resources Mumbai.**

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. The presentation and the submissions made by the PP reveals following:

The case was presented by the PP and their consultant in 326th SEAC meeting dated 21/08/2018. After presentation, committee decided to recommend standard TOR prescribed by MoEF&CC with following additional TOR and as per Annexure-D:

1. PP should provide entire product mix in the EIA report.
2. Worst case scenario w.r.t. waste water and hazardous waste should be submitted.
3. Details of solvents and their recovery plan should be discussed in the EIA report.
4. VOC should be monitored in the AAQ.
5. All MSDS should be provided with the EIA report.
6. Industry has to comply with zero discharge for which necessary details should be provided in the EIA report.

7. Land use plans of the plant both existing land use as well as proposed land use and PP should assure that no existing green area shall be altered for which a written commitment be submitted with the EIA report.
8. Details of any waste at present lying within the plant premises and if yes, same should be discussed in the EIA report with its disposal plan.
9. Inventory of existing and proposed machinery and if any existing machinery proposed to be used same shall be presented in the EIA report.
10. PP should explore possibility of using Biofuel based technology in boilers.
11. The EIA report should clearly mention activity wise EMP and CSR cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
12. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
13. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
14. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
15. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.

PP has submitted EIA vide letter dated 15/11/2018 which was forwarded through SEIAA vide letter no. 1729 dated 22/11/2018.

PP and their consultant presented the EIA before the committee; during discussion following details of this project was submitted by the PP:

Salient features of the project:

Required details	Proposed
Land acquired	23819 Sq meters
Production Capacity	8400 MT/PA
Cost of Project	20 Crore
Power Requirement	1.2 MW
Alternative Source of Power	DG Set -
Water Requirements	270 KLD
Waste water generation	105 KLD
Boiler capacity	2 TPH

Solvent	16.65 MTPA
Product Usage	Paints, textile industry, metal working fluids, rubber chemicals and various Industries.

Raw material

S. No	RM's/Chemicals	Qty in MT/PA	Source
1	2,2-dithiodibenzoic acid	332	Import / Local
2	2-chloro toluene	459	Import / Local
3	2-Chloropyridine-N-oxide	407	Import / Local
4	2-tert-Butyl-4-methylphenol	242	Local
5	3,4 - Dichloro phenyl isocyanate	806	Import / Local
6	Acetic Acid	483	Local
7	Ammonia	64	Local
8	Benzalkonium chloride	136	Local
9	Carbon disulphide	252	Local
10	Chlorine	1298	Local
11	Dimethyl 3,3-dithiodipropionamide	170	Import / Local
12	Dimethyl amine	194	Local
13	Dimethyl formamide	53	Local
14	Dioctyl 3,3-dithiodipropionamide	637	Import / Local
15	Ethyl Acetate	201	Local
16	Formalin	43	Local
17	Hydrochloric acid	7091	Local
18	Methyl chloroformate	755	Import / Local
19	Methyl Cyanocarbamate	262	Import / Local
20	Methylene Di Chloride	309	Local
21	Mono Chloro benzene	2209	Local
22	Mono methyl amine	37	Local
23	N-Butyl amine	71	Import / Local
24	Nitrogen	41	Local
25	Non-ionic Surfactant	28	Import / Local
26	Ortho Chloro benzo nitrile	1500	Import / Local
27	Orthophenylene diamine	1360	Import / Local
28	Oxygen	41	Local
29	Propynyl Butylcarbamate	111	Import / Local
30	Sodium Carbonate	167	Local
31	Sodium Hydrosulfide	175	Local
32	Sodium hydroxide	1793	Local

33	Sodium Iodide	107	Local
34	Sodium metabisulfite	99	Local
35	Sodium Methyl Mercaptide	3464	Import / Local
36	Sulphuric acid	145	Local
37	Surf	418	Local
38	Thionyl chloride	259	Local
39	Toluene	2096	Local
S. No	RM's/Chemicals	Qty in MT/PA	Source
40	Zinc Chloride	215	Local
41	Sodium Nitrite	290	Local
42	Chloro Sulphonic Acid	20	Local
43	Oleum	20	Local
44	Sucrose	10	Import / Local
45	Pyridine	20	Local
46	2-Picoline	20	Local
47	Potassium hydroxide	10	Local
48	Tri ethyl amine	20	Local
49	N-Butyl Chloride	20	Local
50	N-Butyl Bromide	20	Local
51	Thiourea	432	Import / Local
52	Dimethyl Sulfate	455	Local
55	Ortho Xylene	1190	Local
	Total Quantity in MTPA	31056	

Solvents:

Sr. No.	Name of Solvent	Annual Consumption (MT)	% Recovery
1	Dimethyl formamide	53	94-96 %
2	Ethyl Acetate	201	94-96 %
3	Methylene Dichloride	309	94-96 %
4	Mono Chloro Benzene	2209	94-96 %
5	Toluene	2096	94-96 %
6	Pyridine	20	94-96 %
7	Ortho Xylene	1190	94-96 %
	Total MT/day	6078	

After detail discussion committee has aksed the PP to submit the following information:

1. Questionnaire for environmental appraisal along with the list of documents to be attached with the questionnaire.

2. Revised co-ordinates are to be submitted by the PP.
3. Commitment from the PP that 96% solvent recovery will be achieved.
4. Revised land-use break-up.
5. Revised EMP and CSR as suggested by the committee during presentation.
6. Revised Plantation Scheme along with its species and total area coverage for plantation should be atleast 33%.
7. Compability chart i.e. its storage and handling of the products is to be submitted.

PP vide letter dated 02/01/2018 submitted reply of the above query. The query reply was discussed and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Manufacturing of Synthetic Organic Chemical and Agrochemicals 8,400 MT/PA at Plot No. 837 to 842, Sector-3, Pithampur Industrial Area, Bagdoon (Processing Area), Pithampur, Distt. - Dhar (M.P.) subject to the following special conditions:

1. The EC shall be valid for following products and given capacity:

List of Products & Capacity (MT/PA)		
Sr. No.	Product Name	Capacity (MT/PA)
A	Anti-Bacterials	2900
1	5-Chloro-2-Methyl-2H-Isothiazol-3-one/2-Methyl-2HIsouthiazol-3-one (CMIT/MIT)	
2	1,2-benzisothiazol-3(2H)-one (BIT)	
3	2-Octyl-2H-isothiazol-3-one (OIT)	
4	2-Methyl-1,2-thiazol-3(2H)-one (MIT)	
5	2-Butyl-1,2-benzisothiazolin-3-one (BBIT)	
6	2-Methyl-1,2-Benzisothiazol-3(2H)-one (MBIT)	
B	Anti-Fungals	1500
7	Methyl benzimidazol-2-ylcarbamate (Carbendazim)	
8	Bis(2-pyridylthio)zinc 1,1'-dioxide (ZPT)	
9	3-Iodoprop-2-yn-1-yl butylcarbamate (IPBC)	
10	4,5-dichloro-2-octyl-isothiazolone (DCOIT)	
C	Anti-Oxidants	1500
11	2-Mercaptobenzimidazole	
12	Benzotriazole	
13	2,2'-Methylenebis(4-methyl-6-tert-butylphenol)	
D	Herbicide / Pesticide	1000
14	3-(3,4-Dichlorophenyl)-1,1-dimethylurea (Diuron)	
E	Intermediates	1500

15	Ortho Chlorobenzonitrile (OCBN)	
16	Sodium salt of Sucrose	
	TOTAL PRODUCTION CAPACITY (A+B+C+D+E)	8,400 MT/PA

(A) PRE-CONSTRUCTION PHASE

2. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
3. For dust suppression, regular sprinkling of water should be undertaken.
4. PP will obtain other necessary clearances/NOC from respective authorities.
5. Provisions shall be made for the housing of construction/plant erection labor within the site with all necessary infrastructure and facilities such as 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.

(B) CONSTRUCTION PHASE

6. PPE's such as helmet, welding shield, ear muffs etc should be provide to the workers during construction/plant erection activities.
7. Fire extinguishers should be provided on site during construction/ plant erection period.
8. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
9. Waste construction material should be recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
10. 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, 7860 sq meter of area is proposed for plantation of 580 trees. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
11. MSW of various labours and C&D waste generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.
12. Waste oil generated from the DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization. DG (750 KVA) shall have acoustic enclosures and their exhaust shall be discharged at height stipulated by CPCB.
13. The total fresh water requirement for the proposed project is 270 KLD shall be taken from AKVN.

(C) POST CONSTRUCTION/OPERATIONAL PHASE

14. The total power requirement for project will be 1.2 MW which will supplied from Grid. 01 DG set of 750 KVA is also proposed as alternate source of power.
15. For treatment of effluent ETP of 150 KLD shall be installed followed by RO, MEE & ATFD of suitable capacity. ETP will be designed to handle, treat, & process the effluent generated in worst conditions. Solvent stripper should be provided with the ETP. An STP of 15 KLD shall also be provided.
16. As proposed, no effluent from the unit shall be discharged outside the plant premises and Zero discharge shall be maintained. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
17. Height of proposed stacks shall be as per statutory requirement with minimum 30 meters height with provision of bag filter. All the stacks will have Stack Monitoring Facility consisting of sampling port-hole, platform and access ladder.
18. All vents from the exhausts of the processes shall be connected to a scrubbing system and the scrubbing media shall be treated through the effluent treatment plant. As proposed, venturi scrubber (03) shall be provided for 03 process reactor stacks.
19. VOC shall be regularly monitored in the work zone in the plant along with the other parameters and data shall be submitted to MPPCB and R.O of MoEF&CC.
20. VOC detection system with alarm should be installed.
21. 96% solvent recovery is proposed by PP and efforts should be made for >98% recovery of solvent in subsequent years.
22. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.
23. The spent solvents, organic incinerable wastes/residues, used filter bags, packaging materials, rejected/expired raw materials and off specification/ rejected finished products from the manufacturing plants shall be directly sent to authorize recycler/TSDF site at Pithampur as per the authorization issued by M. P Pollution Control Board.
24. Land-use details are:

Sr. No.	Particulars	Total Area (Sq. Mt.)
1	Total Land Area	23,819
2	Built up area	6,352
2.1	Production blocks	3,200
2.2	Utility (Cooling tower, Panel board, Boiler, Chilling plant, storage tanks)	988
2.3	R/M and F/G Stores	1,200
2.4	Office Block including QA, QC & worker amenity	516

2.5	Effluent treatment plant	240
2.6	Security area	48
2.7	Canteen	80
2.8	UG Tank & Pump room	80
3	Garden Area	7,860
4	Future Allocation	3,926
5	Open Area	5,255

25. Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
26. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
27. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.
28. Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.
29. The exhaust of the vehicles used for the purpose of handling, lifting and transportation within the factory such as forklifts or trucks should be fitted with the approved type of spark arrester.
30. Dyke wall should be provided for storage of liquid materials. The dyke wall should be off 1.5 times higher than the quantity of stored materials.
31. The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
32. Storage areas should be provided with adequate number of spill kits at suitable locations. The spill kits should be provided with compatible sorbent material in adequate quantity.
33. Recent MSDS of all the chemicals be displayed at appropriate places.
34. Two on-line monitoring systems for ambient air quality should be provided and data connectivity must be provided to the MPPCB's server for remote operations.
35. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
36. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
37. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

38. The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended, the Public Liability Insurance Act for handling of hazardous chemicals, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Solid Waste Management Rules, 2016, MSIHC Rules 1989 etc.
39. All the storage tanks of raw materials/products shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls of suitable height shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.
40. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
41. Ultrasonic/Magnetic flow/Digital meters shall be provided at all water abstraction points and records for the same shall be maintained regularly.
42. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.

(D) ENTIRE LIFE OF THE PROJECT

43. The proposed EMP capital cost is Rs. 165.3 lacs and recurring cost is 54.60 lacs and out of which the Environment Monitoring Cost for the project is 04.00 lacs and Rs. 3.0 lacs is proposed for green belt development.
44. Under CSR activity, Rs. 20.00 lacs / year are proposed for different activities.
45. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be complied and monitored through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
46. As proposed, the green belt development / plantation activities should be completed within the first three years of the project and the proposed species should also be planted in consultation with the forest department.
47. In case of any, change in scope of work, technology, modernization and enhancement of capacity/ built-up area/ project area shall again require prior environmental clearance as per EIA notification, 2006.
48. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
49. 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/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

2. **Case No. - 5733/2018 M/s Cipla Limited, Plot No. M12 & M12, Misc. Zone Phase II, Sector III, Indore SEZ, Pithampur, Dist. - Dhar (M.P.) - 454775. Prior Environment Clearance for Manufacturing of Active Pharmaceutical Ingredient at Plot No. M12 & M14, Misc. Zone Phase II, Sector III, Indore SEZ, Pithampur, Distt. - Dhar, (M.P.) Capacity – 10 Tones/66958 square meter ha., Cat. - 5(f) Project Synthetic Organic Chemicals Industry (dyes & dye intermediates; bulk drug). Env. Con-M/s Enviro Resources Mumbai.**

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. The presentation and the submissions made by the PP reveals following:

The case was presented by the PP and their consultant and during presentation following details were provided.

Salient features of the project:

1. Name of the project & its location:

Case No. 5733/2018

Manufacturing of API's

Plot No. M12 & M14, Misc. Zone, Phase II, Sector III, Indore SEZ, Pithampur,
District Dhar (M.P). – 454775

2. Name of the Company, Address Tele No. & E-mail :

Cipla Limited

Plot No. M12 & M14, Misc. Zone, Phase II, Sector III, Indore SEZ, Pithampur,
District Dhar (M.P). – 454775

3. Latitude and Longitude of the project

- a. 22°37'22.03"N 75°37'53.95"E
- b. 22°37'25.13"N 75°37'47.86"E
- c. 22°37'24.43"N 75°37'55.32"E
- d. 22°37'22.99"N 75°37'59.63"E
- e. 22°37'27.41"N 75°38'0.20"E
- f. 22°37'29.74"N 75°37'57.56"E
- g. 22°37'28.90"N 75°37'57.05"E
- h. 22°37'32.23"N 75°37'51.14"E

4. Whether the project is in Critically Polluted area – No, the project is in declared Industrial Area.

5. Land Use Pattern

The land use of the project area is pertaining to industrial activity only owned by AKVN. One manufacturing facility of 1030sq meters is available currently. This facility earlier was used to manufacture Formulation products. This facility will be converted in Utility block, along with Engineering Store and offices for Engineering and EHS.

6. If the project involves diversion of forest land

- (i) extend of the forest land**
- (ii) status of forest clearance-**

No, the project is in declared Industrial Area.

7. If the project falls within 10 km of eco- sensitive area

- (i) Name of eco- sensitive area and distance from the project site,**
- (ii) Status of clearance from National Board for wild life.**

No, the project is in declared Industrial Area. We have also requested DFO to provide the letter regarding the distance from the forest, which is in process.

8. Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.

Project Type	New
Site Address	Plot No. M12 & M14, Misc. Zone, Phase II, Sector III, Indore SEZ, Pithampur, District Dhar (M.P). – 454775
Production Capacity	10 TPA
Cost of Project	~185 Crores
Power Requirement	1500 KVA
Alternative Source of Power	DG
Land Available	66958square meter
Other industries in 5 km radius	Lupin Limited ACG Associates Capsules Cipla IPCA Glenmark
Surrounding Features	North :OpenLand South :Road East :Lupin Limited West :Open Land

9. If the project is for EC under EIA Notification, 2006

- a) For the first time appraisal by EAC – Not Applicable
- (i) Date of ToR:

- (ii) Date of Public Hearing, location
- (iii) Major issues raised during PH and response of PP
 - b) Second appraisal – Not applicable
- (i) Date of first /earlier appraisal
- (ii) Details of the information sought by the EAC with the response of the PP.

10. Waste Management

(i) Water requirement, source, status of clearance –

- a. Water Source: AKVN
- b. Quantity of water: 170KLD
- c. Alternate source of water: No alternate source
- d. We have requested AKVN for the water connection

(ii)Waste water quantity, treatment capacity, detail

Zero Liquid discharge system is considered for the plot consisting of Primary, Secondary consisting of Biological & followed by RO, stripper, MEE and ATFD, CEMS will be installed in-line with regulatory requirements.

(iii)Recycling / reuse of treated water and disposal

Treated water shall be reused in washing/cleaning activities and plantation.

Storm Water drain lines will be connected to Rain Water Harvesting Pits for ground water recharge located at regular intervals within individual plots.

(iv) Solid Waste Management

Non hazardous solid waste like corrugated boxes shall generate, which will sold to recyclers.

(v) Hazardous Waste Management –

All the hazardous waste shall be disposed only through M.P Waste Management Facility / Registered Recycler. List of hazardous waste is given below-

Type Of Waste	Quantity	Storage	Utilization/ Disposal
Used oil	1 TPA	Covered shed on concrete floor	Given to re-cycler authorized by MPPCB/MoEF
Oil soaked waste	0.2 TPA	Covered shed on concrete floor	Given to re-cycler authorized by MPPCB/MoEF / TSDF site
Discarded container	5 TPA	Covered shed concrete floor	Given to re-cycler authorized by MPPCB/MoEF / TSDF site

Chemical sludge	2 TPA	HDPE drums covered shed	TSDf site
Spent ion Resin	0.5 TPA	Covered shed concrete floor	Given to re-cycler authorized MPPCB/MoEF
Spent solvents	400 TPA	Covered shed concrete floor	Given to re-cycler authorized MPPCB/MoEF
Process residues & waste	1 TPA	Covered shed concrete floor	Given to re-cycler authorized MPPCB/MoEF
Spent catalyst/carbon	3TPA	Covered shed concrete floor	Given to re-cycler authorized MPPCB/MoEF

11. Other details

(i) Noise Modeling with noise control measures for airports

Not applicable

(ii) Details of water bodies, impact on drainage if any

No major impact on water bodies.

(iii) Details of tree cutting

Not applicable

(iv) Energy conservation measures with estimated saving

We shall use energy efficient lighting system in the office area

(v) Green belt development (20 % of construction projects and 33 % for others) Out of 66958 Sq. Mts. area; 22117 sq meter (33%) area will be covered with the good green belt

12. If the project involves foreshore facilities

(i) Shoreline study

(ii) Dredging details, disposal of dredge material

(iii) Reclamation

(iv) Cargo handling with dust control measures

(v) Oil Spill Contingent Management Plan

Not applicable

13. If the project involves Marine disposal

(i) NOC from PCB in case of marine disposal

(ii) Details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters 9

(iii) Location of intake / outfall. Quantity

(iv) Detail of monitoring at outfall

(v) Any other relevant information :Not Applicable

14. Numbers of plantation with name of species proposed & area allocated for plantation

Out of 66958 Sq. Mts. area; 22117 sq meter (33%) area will be covered with the good green belt

S.No.	Plantation
1	Ashok
2	Neem
3	Peeple
4	Morsali
5	Jharul Tree
6	Karanj
7	Kadam
8	Seesam
9	Gudhal
10	Champa

The case was presented by the PP and their consultant in 327th SEAC meeting dated 07/09/2018 wherein committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and conditions mentioned in annexure-D:

1. Details of fire-fighting system proposed with risk-assessment study and proposed on-site emergency plan.
2. Recent MSDS of all the raw materials / solvents to be furnished.
3. Lay-out of the Industrial Estate showing location of other industries, with inventory of the industries in 500 meters around the proposed plot.
4. Details of LNG connectivity with safety measures proposed in this regard.
5. DG-set details with air / noise pollution control details.
6. Worst case scenario with respect to water, air pollution and hazardous-waste generation to be presented. The mitigation measures to detailed out, assuming that the entire plant is producing product(s) responsible for worst environmental scenario.
7. List of solvent with product-by-product solvent balance/ water-balance and material-balance to be included. Details of solvent recovery system should be provided in the EIA report.
8. Explore the possibility of putting some device so as to monitor/detect the concentration of toxic fumes in the work-zone on continuous basis.
9. VOC's to be monitored and reported in the baseline AAQ data.
10. Inventory of all the raw material with mass balance of each of the chemicals being used or proposed to be used.

11. Inventory of all types of hazardous wastes expected from the industry with handling and management plan to be presented.
12. Product-wise Water balance along with the overall water balance to be worked out & presented so as to achieve ‘Zero liquid discharge’ from the unit.
13. Plan for prevention of waste water percolation into the ground water to be submitted along with the plan of handling in case of spillage of any chemicals.
14. List of material proposed to be stored beyond the prescribed thresh-hold limits.
15. Solar lights to be proposed.
16. Fly –ash generation and its disposal plan.
17. Provision of ‘Green-belt’ all around the periphery of the proposed plot to be made.
18. Since Ground Water abstraction is proposed thus permission from CGWB should be obtained and same shall be annexed with the EIA report along with the proposal for ground water recharge and location of recharge pits on layout map.

PP has submitted EIA vide letter dated 18/12/2018 which was forwarded through SEIAA vide letter no. 1858 dated 22/11/2018

PP and their consultant presented the EIA before the committee; during discussion following details of this project was submitted by the PP:

Salient features of the project:

Products and Production Capacity	Drugs Intermediate
Cost of Project	Rs 185 Crore
Power Requirement	1500 KVA
Total Manpower during operation	Approx 200
Alternative Source of Power	DG Set
Boiler capacity	2 TPH – Dual Fired (Natural Gas & FO)
TOTAL Water Requirement	170 KL
Water Supply	AKVN
Base Line Monitoring	March-May 2018

Area statement:

Land Use Breakup – The site has existing build up area of 1030 sq meter which includes Production block, Utility, RM & FG Stores and Office block

S.No	Particulars	Total Area proposed – (Sq. Mt.)	% use of Land
1	Total Land Area	66,958	100%
2	Built up area	6,808	10.17%
2.1	Production blocks	2,100	3.14%
2.2	Utility (Cooling tower, Panel board, Boiler, Chilling plant, storage tanks)	1,528	2.28%
2.3	R/M and F/G Stores QA and QC	1,200	1.79%
2.4	Office Block	990	1.48%
2.5	ETP & ZLD	990	1.48%
3	Green belt	22,117	33.03%
4	Open Area	38,033	56.8%

List of Solvents

Sr. No.	Solvent Name	Consumption (KL/Annum)
1	Acetic acid	2.42
2	Acetone	235.78
3	Acetonitrile	0.026
4	Di iso propyl ether	0.888
5	Dimethyl formamide	10.13
6	Ethyl acetate	84.53
7	Ethanol	0.604
8	Isopropyl alcohol	3.72
9	Methanol	80.96
10	Methylene chloride	29.01
11	Pyridine	5.98
12	Spds	34.46
13	Tetra hydro furan (thf)	10.32
14	Toluene	36.76
	Total per Annum	535.588

ENVIRONMENT MANAGEMENT PLAN (EMP)

S.No.	Activities	Proposed Investment (in Lakh)	Timelines	Recurring Cost per annum (in lakh)
	ENVIRONMENT MANAGEMENT PLAN			
1	Wastewater Management Zero Discharge Facility			
1.1	Modification of existing ETP/New ETP including RO	400	July 2020	-

1.2	Purchase of Multi effect Evaporator including ATFD	100	April 2020	5.7
1.3	Consultancy for Zero liquid discharge plant	20	Oct 2019	20.64
1.4	Appointment of ETP in charge	10	March 2020	8.0
2	Installation of process gaseous pollutants scrubber	30		
3	Plantation activities			
3.1	Consultant fees	5	Oct 2019	-
3.2	Charges of approx 500 nos. sapling of middle size	20	Mar 2020	-
3.3	Civil activities for plantation	5	Jan 2020	-
3.4	Bio-manure cost	2		1.0
3.5	Labor Charges	5		1.2
3.6	Maintenance of planted sapling	7		1.8
4	Environmental Monitoring Cost A NABL MoEF approved charges	20		
5	In-house Pollution Monitoring Facility Development			
5.1	Cost of pH meter /TDS meter, DO meter /COD analyzer	10	Feb 2020	0.5
5.2	LAB Setup	20	Feb 2020	0.5
5.3	Chemicals Cost	5	Feb 2020	1
6	Training and Awareness			
6.1	Participation into various environment health and safety related workshop, seminars, and training programmes.	-	12 hrs per person per anum	20

6.2	Conduction in-house training for supervisors, operators and contractual workers	-	Once every Month	10
6.3	Celebration of World environment day, national safety week etc	-	Once in a year	10
7	Personal Protective Equipment and Medical Checkups (Helmet, Safety Shoes, Nose masks, Aprons, Respiratory and Breathing Masks)	50	Jan 2020	5

CORPORATE SOCIAL RESPONSIBILITY

1	Selection of local vendors for supply of materials whatever is available based on selection criteria	280 lakh
2	Industrial training provided to the ITI fresher of the neighboring villages under different streams like mechanical, electrical etc	
3	Provide training towards adult education.	

After detail discussion it was observed by the committee a small existing shade will be demolished and as per the given co-ordinates many trees exist within the lease boundary PP should submit the girth and height of those trees/shrubs. Committee has asked the PP to submit the following information:

1. Questionnaire for environmental appraisal along with the list of documents to be attached with the questionnaire.
2. Inventory of the existing trees/shrubs with measurement of girth as these are proposed to be uprooted.
3. Revised land-use break-up to be submitted with existing and proposed land-use.
4. Revised CSR as suggested by the committee during presentation.

PP vide letter dated 02/01/2019 submitted reply of the above query. The query reply was discussed and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for API Manufacturing Unit at Plot No. M12 & M14, Misc. Zone Phase II, Sector III, Indore SEZ, Pithampur, Distt. - Dhar, (M.P.) Capacity – 10 Tones in Cat. - 5(f) Project Synthetic Organic Chemicals Industry subject to the following special conditions:

List of Products & Capacity (TPA)		
Sr. No.	Product Name	Proposed Qty. to be manufactured (TPA)
1	Fluticasone Propionate	1.5
2	Fluticasone Propionate (MDI)	0.1
3	Fluticasone Propionate (DPI)	0.1
4	Beclomethasone Dipropionate Anhydrous	0.7
5	Budesonide	1.5
6	Mometasone Furoate	0.2
7	Fluticasone Furoate	0.02
8	Loteprednol Etabonate	0.1
9	Mometasone Furoate Monohydrate	0.4
10	Beclomethasone Dipropionate Monohydrate	0.05
11	Ciclesonide	0.1
12	FAP Complex	3
13	Fluticasone Stage III	2
14	R&D products	0.2
	TOTAL	10

(A) Statutory compliance:

1. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Madhya Pradesh Pollution Control Board (MPPCB).
2. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time & permission of competent authority if ant tree falling is to be carried out.
3. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

(B) Air quality monitoring and preservation

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to MPPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier

specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

2. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
3. The project proponent shall install system to carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released e.g. PM10 and PM2.5 in reference to PM emission and S02 and NOx in reference to S02 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each) covering upwind and downwind directions.
4. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions from the boiler, DG set and scrubber shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
5. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
6. The DG sets (1500 KVA) shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
7. DG exhaust will be discharged at height stipulated by CPCB.
8. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
9. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

(C) Water quality monitoring and preservation

1. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
2. As already committed by the project proponent Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.

3. 170 KLD water will be consumed from AKVN. The effluent shall (41 KLD) be segregated as high COD/High TDS and Low COD/Low TDS effluents. The HCOD/HTDS shall be neutralized and sent to stripper followed by MEE and ATFD. LCOD/LTDS effluent shall be treated in ETP with domestic effluent followed by RO system. The treated effluent shall be entirely reused and recycled in cooling tower make-up.
4. Adhere to 'Zero Liquid Discharge and No industrial effluent from the unit shall be discharged outside the plant premises. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
5. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the Madhya Pradesh Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
6. Total fresh water requirement shall not exceed 170 KLD and as proposed MPAKVN shall provide the fresh water.
7. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
8. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
9. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

(D) Noise monitoring and prevention

1. Acoustic enclosure shall be provided to 1500 KVA DG set for controlling the noise pollution.
2. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
3. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

(E) Energy Conservation measures

1. The energy sources for lighting purposes shall preferably be LED based.
2. The total power requirements for project will be 1500 KVA. The power will be supplied by Power Generator i.e. Grid power.

(F) Waste management

1. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
2. Hazardous wastes such as spent solvents, organic incinerable wastes/residues, used filter bags, packaging materials, rejected/expired raw materials and off specification/ rejected finished products from the manufacturing plants shall be directly sent to CTSDF, Dhar.
3. The Fly ash generated from boilers shall be stored in silos and disposed of through cement manufacturers by bulkers / closed containers and should comply with Fly Ash Utilization Notification, 1999 and as amended subsequently.
4. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
5. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
6. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.
7. Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.
8. The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
9. Storage areas should be provided with adequate number of spill kits at suitable locations. The spill kits should be provided with compatible sorbent material in adequate quantity.
10. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
11. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
12. All the storage tanks of raw materials/products shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls of suitable height shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.

13. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
14. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
15. The company shall undertake waste minimization measures as below:
 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - c. Use of automated filling to minimize spillage.
 - d. Use of Close Feed system into batch reactors.
 - e. Venting equipment through vapour recovery system.
 - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.

(G) Green Belt

1. Out of 66,958 Sq. Mtr area, 22,117 sq meter (33%) area will be covered with the good green belt and 1200 trees will be planted. The green belt of 5-10 m width will be developed mainly along the periphery and road side. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department.
2. 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. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

(H) Safety, Public hearing and Human health issues

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
3. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
4. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees

shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

5. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
6. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
7. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

(I) Corporate Environment Responsibility

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
5. The proposed EMP cost is Rs. 709.00 lacs and 85.34 lacs/year as recurring cost and out of which the Environment Monitoring Cost for the project is 20.00 lacs and Rs. 7.00 lacs is proposed for green belt development.
6. Under CER activity, Rs.280 lacs per year are proposed for different activities.

7. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
8. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

J. Miscellaneous

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
 2. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.
 3. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
 4. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
 5. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.
3. **Case No. - 5796/2018 Gwalior Municipal Corporation, Administrative Building, Narayan Shejwalkar Bhavan, City Center, Gwalior, (M.P.) – 474001. Prior Environment Clearance for Construction of Proposed Residential Building Project 'Mahalgaon ki Pahadi (Affordable Housing Project)' M/s Gwalior Municipal Corporation, (Total Plot Area = 1,06,700 sqm., Total Built-up Area = 97,240 sqm) at Khasra – 1(Part), 2 (Part), 3 (Part), 42(Part), 132, Village - Hram Ohadpur, Tehsil - Mahalgaon & Dist. - Gwalior, (M.P.). Category: 8(a) Building & Construction.**

This is case of Prior Environment Clearance for Construction of Proposed Residential Building Project 'Mahalgaon ki Pahadi (Affordable Housing Project)' M/s Gwalior Municipal Corporation, (Total Plot Area = 1,06,700 sqm., Total Built-up Area = 97,240 sqm) at Khasra – 1(Part), 2 (Part), 3 (Part), 42(Part), 132, Village - Hram Ohadpur, Tehsil - Mahalgaon & Dist. - Gwalior, (M.P.).Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultant wherein following details were provided by PP:

Sr. No.	Particulars	Details
1	Name of the Project	Proposed Mahalgaon ki Pahadi (Affordable Housing Project) by M/s. Gwalior Municipal Corporation
	Location	Village Hram Ohadpur Tehsil Mahalgaon District Gwalior, MP State
2	Name of the Company	M/s. Gwalior Municipal Corporation
	Address	Administrative Building, Narayan Shejwalkar Bhavan, Municipal Corporation, City Center, Gwalior
3	Latitude and Longitude of the project	Latitude 26°11'36.15"N Longitude 78°11'12.60"E
4	If a Joint venture, the names & addresses of the JV partners including their share	NA
5	Type of Building	Affordable Housing Project under PMAY
	Project brief: nature of proposal (new/expansion,)	New
6	Total Plot Area	Total Plot Area : 106700 m ² Total Deductions : 40898 m ² Net Plot Area: 65802 m²
7	Total Ground Coverage	Ground Coverage (19.06%) = 12542.76 Sq.m
8	Total Builtup Area	97,240 sq.m
9	Cost of the project	INR 163.84 Crores
10	Dwelling Units	2 BHK -320 Nos. 3 BHK -896 Nos. Shops – 79 Nos.
11	Road and Internal Circulations space/Paved area	Road Area- 12714 Sq. m (19.32%) Open Area - 29517.24 sq.m (44.86%)

Sr. No.	Particulars	Details
12	Landscape	10810 sq.m (16.43%)
13	Nos. of trees	Total nos. of trees Required: 1 tree/80 sq.m = (Total Planning area – Ground coverage)/80 (65802-12542.76)/80 =666 nos. Planning = 800 Plant
14	Nos. of Floor and basements	2 BHK – Parking+8 3 BHK - Parking+8
15	Parking facilities	Total Parking required (@ 100 sq.m builtup area) = 82891.5/100 = 829 nos. Parking provided: 5 Open = 454 nos Stilt = 416 Nos. Total = 870 Nos.
16	Power Requirement and Sources	About 4000 KW power will be required for the Project and it will be sourced from State Electricity Board.
17	Power backup	Backup power supply is planned for the project through DG Set (to be placed in acoustic chamber). Capacity – 3 x 50 KVA, 2 x 75 KVA, 1 x 100 KVA and 1 x 125 KVA
18	Water requirement and Sources	Total Water requirement -834 KLD Fresh Water Requirement – 554 KLD Source of the water is municipal water supply.
19	Estimated population (Fixed and Floating)	6467 nos
20	Height of the building	24.0 M
21	Connectivity	Railway Station Gwalior 3.0 km, NNW Gwalior Airport– 12.0 Km (NNE)

During presentation as per the Google image (October, 2018) based on the co-ordinates provided by PP, it was observed by the committee that PP has started the construction activities and it was clearly evident from the image that 05 blocks has been completed and two were under erection stage site. PP submitted that approx. 06% construction is completed as per their plan.

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8th March, 2018 recommends that case may be dealt as per the provisions laid down in this

notification and the project may granted Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as a independent chapter in the EIA report by the accredited consultant and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories.

Hence committee recommended to issue additional TOR as per notification dated 08th March 2018 along with standard TOR prescribed by the MoEF&CC for conducting the EIA as follows:-

1. Project description, its importance and the benefits.
2. Project site detail (location, toposheet of the study area of 10 Km, coordinates, Google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage.
3. Land use as per the approved Master Plan of the area, permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board etc.
4. Land acquisition status, R & R details.
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 Km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
6. Baseline environmental study for ambient air (PM10, PM2.5, SO₂, NO_x & CO), water (both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/CPCB guidelines at minimum 5 locations in the study area of 10 Km.
7. Details on flora and fauna and socio-economic aspects in the study area
8. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.)
9. Source of water for different identified purpose with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
10. Waste water management (treatment, reuse and disposal) for the project and also the study area
11. Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.
12. Energy efficient measures (LED lights, solar power, etc) during construction as well as

during operational phase of the project.

13. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environmental (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
14. Preparation of EMP comprising remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
15. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.

4. Case No. - 5798/2018 M/s Madhya Pradesh Police Housing Infrastructure & Development Corporation, G-13, First Floor, MIG Colony, Behind Christian Eminent School, Indore, (M.P.) – 474001. Prior Environment Clearance for Construction of (48 + 192) High-Rise Quarters (Total Plot Area = 46,225.37 sqm., Total Built-up Area = 23,924.83 sqm) No. of DU's – 240 No., Number of Building Blocks- 03 No., at Khasra No. - 69, 71, GRP Land, Village - Bicholi Hapsi, Tehsil - Sanyogitaganj & Dist. - Indore, (M.P.). Category: 8(a) Building & Construction Project. Env.Cons. Ind Tech House Consultancy, Delhi.

This is case of Prior Environment Clearance for Construction of (48 + 192) High-Rise Quarters (Total Plot Area = 46225.37 sqm. Total Built-up Area = 23924.83 sqm) No. of DU's – 240 No., Number of Building Blocks- 03 No., at Khasra No. - 69, 71, GRP Land, Village - Bicholi Hapsi, Tehsil - Sanyogitaganj & Dist. - Indore, (M.P.). Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultant and during presentation following details were provided.

Salient Features of the project:

1. Name of the Project & its location:

Proposed Construction of (48+192) High-Rise Qtrs. at GRP Land, BicholiHapsi, Indore, Madhya Pradesh is being developed by M.P. Police Housing & Infrastructure Development Corporation Ltd. having registered address G-13, First Floor, M.I.G. Colony, Behind Christian Eminent School, Indore (M.P.).

2. Name of the Company, Address Tele No. & E-mail:

M.P. Police Housing & Infrastructure Development Corporation Ltd.

G-13, First Floor, M.I.G. Colony, Behind Christian Eminent School, Indore, M.P-252001

Tele. No: 0731-2422422, 7049100801

E-mail: cofirstbn@gmail.com

3. Latitude & Longitude of the project:

The latitude and longitude of the project of plot boundary follows:

S.NO.	Latitude	Longitude
A	22°42'54.80"N	75°55'08.02"E
B	22°42'54.61"N	75°55'13.60"E
C	22°42'53.65"N	75°55'14.42"E
D	22°42'43.09"N	75°55'06.79"E
E	22°42'43.18"N	75°55'06.39"E
F	22°42'53.17"N	75°55'06.39"E

4. If a Joint venture, the names & addresses of the JV partners including their share.

NA

5. Project brief: Nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.

Proposed Construction of (48+192) High-Rise Qtrs. at GRP Land, BicholiHapsi, Indore, Madhya Pradesh. Total project will be developed on plot area of 46225.37 sq. m. Which is part of existing police housing complex on total plot area 56220 sq. m., the built-up area of the proposed development is 23924.83 sq. m.

The site is proposed to be connected to NH-3: 0.95 KM (East), NH-59: 0.96 KM (South), NH-59A: 4.25 KM (North East) and SH-27: 5.62 KM (South East).

6. Cost of the project:

The total cost of the project is 36Crores.

7. Whether the project is in Critically Polluted area.

NA

8. If the project is for EC under EIA Notification, 2006

a) For the first time appraisal by EAC

(i) Date of ToR: NA

(ii) Date of Public Hearing, location: NA

(iii) Major issues raised during PH and response of PP: NA

b) Second appraisal

(i) Date of first /earlier appraisal: NA

(ii) Details of the information sought by the EAC with the response of the PP: NA

9. If the project involves diversion of forest land

(i) Extend of the forest land: NA

(ii) Status of forest clearance: NA

10. If the project falls within 10 km of eco- sensitive area

(i) Name of eco- sensitive area and distance from the project site: Ralamandal wildlife sanctuary 9.76 KM (South East).

(ii) Status of clearance from National Board for wild life: NA

11. Waste Management

(i) Water requirement, source, status of clearance: Total water demand of the project is 128 KLD out of which the fresh water demand will be 71 KLD and sourced by Nagar Palika Nigam, Indore. Treated water will be met through on site STP.

(ii) Waste water quantity, treatment capacity, detail: Total waste water generated from the project is 82 KLD, which will be treated on site STP having capacity of 100 KLD.

(iii) Recycling / reuse of treated water and disposal: 57 KLD recycled waste water will be used for flushing, DG cooling and green belt development and rest 8 KLD treated water will be discharged into public sewer.

(iv) Solid Waste Management: 0.61 TPD solid wastes will be generated from the proposed project and will be disposed through Nagar Palika Nigam, Indore.

(v) Hazardous Waste Management: Nominal amount of hazardous waste will be generated from the DG operation and will be disposed through authorized vendor.

12. Other details

- (i) **Noise modeling with noise control measures for airports:** NA
- (ii) **Details of water bodies, impact on drainage if any:** NA
- (iii) **Details of tree cutting:** Not involved
- (iv) **Energy conservation measures with estimated saving:** Solar energy will be used for Street and parks lighting.
- (v) **Green belt development (20 % of construction projects and 33 % for others):** Proposed Green area will be 8884sqm.
- (vi) **Parking requirement with provision made:** Total proposed parking is 258 ECS

13. If the project involves foreshore facilities

- (i) Shoreline study: NA
- (ii) Dredging details, disposal of dredge material: NA
- (iii) Reclamation: NA
- (iv) Cargo handling with dust control measures: NA
- (v) Oil Spill Contingent Management Plan: NA

14. If the project involves Marine disposal

- (i) NOC from PCB in case of marine disposal: NA
- (ii) Details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters: NA
- (iii) Location of intake / outfall. Quantity: NA
- (iv) Detail of monitoring at outfall: NA
- (v) Any other relevant information: NA

15. Other information

- (i) Investment/Cost of the project is Rs. 36(in crore).

(ii) Employment potential: About 100 labours will be employed during the construction of the project.

(iii) Benefits of the project:

- Employment will be generated during construction phase.

16. Date of Ground water clearance: NA

17. Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost:

EMP costs of the project during operation phase are following.

COMPONENT	CAPITAL COST (Rs in Lacs)	RECURRING COST (Rs in Lacs)/Annum
Sewage treatment plant (100 kld)	18	6.6
Rain water harvesting system (3 no)	12	3
Solid waste composter (Organic Waste Converter 0.4 tpd)	7	3.5
Horticulture development	8	3.5
Roof top spv plant (8 kwp)	6.4	0.4
Environment monitoring		1.5
TOTAL	51.4	18.5

18. Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions: As per Form-1.

19. River/Nallha flowing near or adjacent to the proposed mine. If yes, please give details: Saraswati River, 6.18 KM (North East) of the proposed project.

Project details:

SN	Description	Particulars	Unit
GENERAL			
1	Total Plot Area	56220	SQM
2	Net Plot Area	46225.37	SQM
3	Proposed Built Up Area	23924.83	SQM
4	Number of Building Blocks	03	NOS
5	Total no of DU's	240	NOS
6	Max Height of Building	42	M
7	Max No of Floors	(S+12), (B+S+6)	NOS
8	Cost of Project	36	CR
9	Expected Population	1210	PERSONS
10	Proposed Ground Coverage Area (5.14 %)	2378.06	SQM
11	Permissible FAR Area	92450.74	SQM
12	Proposed FAR Area (@ 0.33)	15315.48	SQM
13	Non FAR, & Other areas	8609.35	SQM
14	Proposed Built Up Area	23924.83	SQM
WATER			
15	Total Water Requirement	128	KLD
16	Fresh water requirement	71	KLD
17	Waste water Generation	81	KLD
18	Proposed STP Capacity	100	KLD
19	Treated Water Available for Reuse	65	KLD
20	Recycled Water	57	KLD
21	Surplus treated water	8	KLD
RAIN WATER HARVESTING			
22	No of RWH of Pits Proposed	3	NOS
PARKING			
23	Total Parking Required as / Building Bye Laws	258	Cars
24	Total Proposed Parking	258	Cars

25	Proposed Surface & Stilt Parking	221	Cars
26	Proposed Basement Parking	37	Cars
GREEN AREAS			
27	Required Green Area	4622.54	SQM
28	Proposed Green Area (19.22 % of Plot Area)	8884	SQM
WASTE GENERATION			
29	Municipal Solid Waste Generation	0.61	TPD
30	Quantity of E-Waste Generation-Kg/Day	3.9	KG/DAY
31	Quantity of Hazardous waste Generation	0.5	LTS/DAY
32	Quantity of Sludge Generated from STP	118	KG/DAY
POWER			
33	Total Power Requirement	720	KVA
34	DG set backup	160	KVA

This case was presented by the PP and their consultant, wherein it was observed from the given co-ordinates that the distance of this project site from the Ralamandal Wildlife Sanctuary is <10 km for which committee asked PP to apply for the NBWL Clearance and submit the copy of this application for further consideration of this project as per OM No. J-11013/41/2006-IA.II (I) Dated 02/12/2009.

5. **Case No. - 5799/2018 M/s Madhya Pradesh Police Housing Infrastructure & Development Corporation, G-13, First Floor, MIG Colony, Behind Christian Eminent School, Indore, (M.P.) – 474001. Prior Environment Clearance for Construction of (12 + 480) High-Rise Quarters at 1st Battalion, S.A.F., Indore, No. of DU's – 492 No., Number of Building Blocks - 06 No., (Total Plot Area = 227790 sqm., Total Built-up Area = 43474.34 sqm) at Khasra No. – 36, Village - Kashwa, Tehsil - Malharganj & Dist.-Indore, (M.P.). Category: 8(a) Building & Construction Project.**

This is case of Prior Environment Clearance for Construction of (12 + 480) High-Rise Quarters at 1st Battalion, S.A.F., Indore, No. of DU's – 492 No., Number of Building Blocks - 06 No., (Total Plot Area = 227790 sqm., Total Built-up Area = 43474.34 sqm) at Khasra No. – 36, Village - Kashwa, Tehsil - Malharganj & Dist.-Indore, (M.P.). Category:

8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultant and during presentation following details were provided.

Salient Features of the project:

1. Name of the Project & its location:

Proposed Construction of (12+480) High-Rise Qtrs. at 1st Battalion, Sadar Bazar, Indore, Madhya Pradesh is being developed by M.P. Police Housing & Infrastructure Development Corporation Ltd. having registered address G-13, First Floor, M.I.G. Colony, Behind Christian Eminent School, Indore (M.P.).

2. Name of the Company, Address Tele No. & E-mail:

M.P. Police Housing & Infrastructure Development Corporation Ltd.

G-13, First Floor, M.I.G. Colony, Behind Christian Eminent School, Indore, M.P-252001

Tele. No: 0731-2422422, 7049100801

E-mail: cofirstbn@gmail.com

3. Latitude & Longitude of the project:

The latitude and longitude of the project of plot boundary follows:

S.NO.	Latitude	Longitude
A	22°43'55.25"N	75°51'01.88"E
B	22°43'55.85"N	75°51'07.17"E
C	22°44'01.96"N	75°51'05.68"E
D	22°44'01.97"N	75°51'07.60"E
E	22°44'03.52"N	75°51'07.48"E
F	22°44'04.36"N	75°51'25.52"E
G	22°43'50.80"N	75°51'26.07"E
H	22°43'50.68"N	75°51'17.50"E
I	22°43'45.13"N	75°51'16.99"E
J	22°43'45.02"N	75°51'16.96"E

4. If a Joint venture, the names & addresses of the JV partners including their share.

NA

5. Project brief: Nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.

Proposed Construction of (12+480) High-Rise Qtrs. at 1st Battalion, Sadar Bazar, Indore, Madhya Pradesh. Total project will be developed on plot area of 224667 sq. m which is part of existing police housing complex on total plot area 227790 sq. m. the built-up area of the proposed development is 43474.34 sq. m.

The site is proposed to be connected to NH-3: 7.75 KM (East), NH-59: 1.47 KM (South), NH-59A:6.05 KM (South East) and SH-27: 0.01 KM (West).

6. Cost of the project:

The total cost of the project is 65Crores.

7. Whether the project is in Critically Polluted area.

NA

8. If the project is for EC under EIA Notification, 2006

a) For the first time appraisal by EAC

(i) Date of ToR: NA

(ii) Date of Public Hearing, location: NA

(iii) Major issues raised during PH and response of PP: NA

b) Second appraisal

(i) Date of first /earlier appraisal: NA

(ii) Details of the information sought by the EAC with the response of the PP:
NA

9. If the project involves diversion of forest land

(i) Extend of the forest land: NA

(ii) Status of forest clearance: NA

10. If the project falls within 10 km of eco- sensitive area

(i) Name of eco- sensitive area and distance from the project site: Ralamandal wildlife sanctuary 6.48 KM (South)

(ii) Status of clearance from National Board for wild life: NA

11. Waste Management

(i) **Water requirement, source, status of clearance:** Total water demand of the project is 282 KLD out of which the fresh water demand will be 151 KLD and sourced by Nagar Palika Nigam, Indore. Treated water will be met through on site STP.

(ii) **Waste water quantity, treatment capacity, detail:** Total waste water generated from the project is 164 KLD, which will be treated on site STP having capacity of 200 KLD.

(iii) **Recycling / reuse of treated water and disposal:** 131 KLD recycled waste water will be used for flushing, DG cooling and green belt development.

(iv) **Solid Waste Management:** 1.23 TPD solid waste will be generated from the proposed project and will be disposed through Nagar Palika Nigam, Indore.

(v) **Hazardous Waste Management:** Nominal amount of hazardous waste will be generated from the DG operation and will be disposed through authorized vendor.

12. Other details

(i) **Noise modeling with noise control measures for airports:** NA

(ii) **Details of water bodies, impact on drainage if any:** NA

(iii) **Details of tree cutting:** Not Involved

(iv) **Energy conservation measures with estimated saving:** Solar energy will be used for Street and parks lighting.

(v) Green belt development (20 % of construction projects and 33 % for others):

Proposed Green Area will be 24648 sqm.

(vi) Parking requirement with provision made: Total proposed parking is 878 ECS

13. If the project involves foreshore facilities

(i) Shoreline study: NA

(ii) Dredging details, disposal of dredge material: NA

(iii) Reclamation: NA

(iv) Cargo handling with dust control measures: NA

(v) Oil Spill Contingent Management Plan: NA

14. If the project involves Marine disposal

(i) NOC from PCB in case of marine disposal: NA

(ii) Details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters: NA

(iii) Location of intake / outfall. Quantity: NA

(iv) Detail of monitoring at outfall: NA

(v) Any other relevant information: NA

15. Other information

(i) Investment/Cost of the project is Rs. 65(in crore).

(ii) Employment potential: About 100 labours will be employed during the construction of the project.

(iii) Benefits of the project:

Employment will be generated during construction phase.

16. Date of Ground water clearance: NA

17. Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost:

EMP costs of the project during operation phase are following.

Component	Capital cost (rs in lacs)	Recurring cost (rs in lacs)/annum
Sewage treatment plant (200 kld)	25	7.2
Rain water harvesting system (6 no)	24	3
Solid waste composter (organic waste converter 0.7 tpd)	10	4.3
Horticulture development	12	5.4
Roof top spv plant (15 kwp)	12	0.75
Environment monitoring		1.5
Total	83	22.15

18. Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions:

S.NO.	PLANT BOTANICAL NAME	COMMON NAME	HEIGHT (MM)	QUANTITY
1	DELONIX REGIA	GULMOHUR	4.60	30
2	CASSIA FISTULA	AMALTAS	2.40	10
3	JACARANDA MIMOSIFOLIA	BLUE JACARANDA	3.00	17
4	ERYTHRINA INDICA	INDIAN CORAL TREE	3.00	10
5	PLUMERIA ALBA	CHAMPA	2.40	31
6	CASSIA GRANDIS	BRAZILIAN CASSIA	2.40	32
7	BAUHINIA BLAKEANA	HONGKONG ORCHID TREE	2.40	12
8	TABEBUIA AVELLANEDAE	PINK TABEBUIA	3.00	8
9	SPATHODEA CAMPANULATA	AFRICAN TULIP TREE	4.60	32
10	SARACA THAIPINGENSIS	YELLOW ASHOKA	2.40	57
11	PHOENIX DACTYLIFERA	DATE PALMS	4.60	16
12	FICUS BENJAMINA	WEeping FIG	3.60	4
13	MIMUSOPS ELENGI	MAULSARI/ BAKUL	2.40	7
14	AZADIRACHTA INDICA	NEEM TREE	3.00	15
Total				120

S.no.	Plant botanical name	Common name	Height (mm)	Quantity
1	Tecoma gaudi chaudi (t.g.c.)	Gaudi chaudi	0.90	185
2	Bougainvillea		0.90	761
3	Enermi	Glory bower	0.90	235
4	Pandanus	Screw pine	0.60	55
5	Thevetia peruviana	Pilli kaner	0.90	39
6	Cestrum nocturnum	Raat ki rani	0.60	37
7	Jasminum sambac	Mogra	0.45	65
8	Pennisetum setaceum	Fountain grass	0.45	28
9	Hymenocallis littoralis	Spider lilies	0.45	50
10	Washingtonia filifera	Desert fan palm	1.80	9
11	Tmc (tabernaemontana c.)			147
12	Nerium indicum	Pink kaner	0.90	108
13	Ixora singaporensis	Ixora	0.45	13
14	Galphimia	Slender goldshower	0.45	80
15	Hamelia	Firebush	0.60	120
16	Bignonia venusta	Flamevine	0.45	12
17	Rhapis palm	Lady palm	0.75	14
18	Cycus palm	Sago palm	1.20	7
19	Grass ground cover			62
20	Wedelias ground cover	Creeping-oxeyes		52
Total				2079

19. Any river/Nalha flowing near or adjacent to the proposed mine. If yes, please give details:

Saraswatiriver 0.27 KM (East) of the proposed project.

Project salient features

SN	Description	Particulars	Unit
GENERAL			
1	Total Plot Area	227790	SQM
2	Net Plot Area	224667	SQM
3	Pocket Area	25420	SQM
4	Proposed Built Up Area	43474.34	SQM

5	Number of Building Blocks	6	NOS
6	Total no of DU's	492	NOS
7	Max Height of Building	42	M
8	Max No of Floors	(S+12), (G+2)	NOS
9	Cost of Project	65	CR
10	Expected Population	2454	PERSONS
11	Proposed Ground Coverage Area (1.86%)	4184.98	SQM
12	Permissible FAR Area	449334.00	SQM
13	Proposed FAR Area (@ 0.13)	28923.84	SQM
14	Non FAR, & Other areas	14550.50	SQM
15	Proposed Built Up Area	43474.34	SQM
WATER			
16	Total Water Requirement	282	KLD
17	Fresh water requirement	151	KLD
18	Waste water Generation	164	KLD
19	Proposed STP Capacity	200	KLD
20	Treated Water Available for Reuse	131	KLD
21	Recycled Water	131	KLD
SN	Description	Particulars	Unit
RAIN WATER HARVESTING			
22	No of RWH of Pits Proposed	6	NOS
PARKING			
23	Total Parking Required as / Building Bye Laws	865	Cars
24	Total Proposed Parking	878	Cars
25	Proposed Surface	816	Cars
26	Proposed Stilt Parking	62	Cars
GREEN AREAS			
27	Required Green Area	22466.7	SQM

28	Proposed Green Area (10.97)	24648	SQM
WASTE GENERATION			
29	Municipal Solid Waste Generation	1.23	TPD
30	Quantity of E-Waste Generation- Kg/Day	8.0	KG/DAY
31	Quantity of Hazardous waste Generation	0.9	LTS/DAY
32	Quantity of Sludge Generated from STP	170	KG/DAY
POWER			
33	Total Power Requirement	1476	KVA
34	DG set backup	320	KVA

This case was presented by the PP and their consultant, wherein it was observed from the given co-ordinates that the distance of this project site from the Ralamandal Wildlife Sanctuary is <10 km for which committee asked PP to apply for the NBWL Clearance and submit the copy of this application for further consideration of this project as per OM No. J-11013/41/2006-IA.II (I) Dated 02/12/2009.

6. Case No. - 5800/2018 M/s Indore Development Authority, 7, Race Course Road, Indore, (M.P.) – 452003. Prior Environment Clearance for Construction of Commercial Multi Storey Building by M/s Indore Development Authority (Total Plot Area = 11692.50 sqm., Total Built-up Area = 76368 sqm) at Plot No. - 25, Sector C, Scheme 151, Dist. Indore,(M.P.). Category: 8(a) Building & Construction Project.

This is case of Prior Environment Clearance for Construction of Commercial Multi Storey Building by M/s Indore Development Authority (Total Plot Area = 11692.50 sqm., Total Built-up Area = 76368 sqm) at Plot No. - 25, Sector C, Scheme 151, Dist. Indore,(M.P.). Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultant and during presentation it was observed by the committee that the Form-1 submitted by PP is incomplete and necessary details are missing at many places in form-1 (say in point no. 1.9, 2.6, 3.1, 4.1, 4.3, 6.6, 7.1 etc) and the issues related to “Environmental Sensitivity” are also not addressed properly hence committee after deliberations recommends PP to submit revised from –I through SEIAA for further consideration of this case.

7. **Case No. - 5801/2018 M/s Nirala Grih Nirman Sahkari Samati Maryadit C/o President, Abdul Shahid S/o Pyare Miya & Govind Patidar S/o Late Shri Kuvarji, Fortune House, 157, Zone-1, M.P.Nagar, Bhopal, MP – 462011. Prior Environment Clearance for Construction of Proposed Residential Development "Fortune Landmark" (Total Land Area = 92,956.37 sqm., Total Built-up Area = 76,900.275 sqm) at PH No. – 42, Village - Misrod P.H.No. - 49, Tehsil - Huzur, District - Bhopal, (M.P.) Category: 8(a) Building & Construction Project.**

This is case of Prior Environment Clearance for Construction of Proposed Residential Development "Fortune Landmark" (Total Land Area = 92,956.37 sqm., Total Built-up Area = 76,900.275 sqm) at PH No. – 42, Village - Misrod P.H.No. - 49, Tehsil - Huzur, District - Bhopal, (M.P.) Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

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 and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

8. **Case No. - 5747/2018 Mr. Ranjit Pakrasi, Executive Vice President, M/s Damodar Ropeways & Infra Limited, 1/A, Vansittart Row, Kolkatta, (W.B.) – 700001. Prior Environment Clearance for Monocable Pulsated Fixed Grip Passenger Ropeway at Hanumandhara Temple, Chitrakoot (Khasra No.- 896, 898/B/1, 899 & 901/4) Village-Nayagaon, Tehsil - Majhgawan, Dist. - Satna (M.P.) Capacity – 500 Passenger Per Hour (PPH), Lenth – 310 Mtrs.(Approx).Category: 7(g) Arieal Ropeway Project.Env. Con-Epsilon Projects Pvt. Ltd.**

This is case of Proposed Monocable Pulsated Fixed Grip Passenger Ropeway at Hanumandhara Temple, Chitrakoot (Khasra No.- 896, 898/B/1, 899 & 901/4) Village-Nayagaon, Tehsil - Majhgawan, Dist. - Satna (M.P.). **Category: 7(g) Arieal Ropeway Project.**

The project requires prior EC before commencement of any activity at site. This being a Aerial Ropeway Project is listed at S.N. 7(g) of schedule under 'B' Category of EIA Notification, 2006 and is to be appraised by SEAC.

The applicant presented the salient features of the project. After discussion on the project it was revealed that - The total length of the proposed rope way is Lenth – 310 Mtrs. (Approx).

Starting from Hanumandhara Temple, Chitrakoot (Khasra No. - 896, 898/B/1, 899 & 901/4) Village- Nayagaon, Tehsil - Majhgawan, Dist. - Satna (M.P.).

The case was presented by the PP and their consultant in 330th SEAC meeting dated 24/10/2018 and during presentation following salient features was presented: Madhya Pradesh Tourism Authority has been keen to build a Passenger Ropeway at Hanuman Dhara Temple, Chitrakoot, and Madhya Pradesh to facilitate pilgrims. In this regards, Authorities has awarded the project to Damodar Ropeways & Infra Ltd, Kolkata. The company has been in the business of building cable cars since 1974. DRIL is engaged in turnkey construction of Steel / PRC Bridges, Rope Suspension Bridges and multi-storied buildings. DRIL also undertakes work for revamping / up-gradation of capacity of existing ropeways, operation and maintenance of running aerial ropeways and material handling plants.

The salient features of the project are:

Parameters	Details
Location	25°9'27.33"N / 80°52'54.28"E & 25°9'18.03"N / 80°52'58.50"E (MSL – 105.04 Mtr.)
Address	Hanuman Dhara Temple, Chitrakoot District-Satna , Madhya Pradesh
Land Area	2394 Sq. Mtr. is forest land & 2000 Sq. Mtr. is Revenue land.
Land Status	It is a both Forest Land & Revenue Land.
Nearest Town	Satna
District Head Quarters	Satna
Nearest Railway Station	Chitrakoot Dham Karwi
Nearest Highway	NH 7

Working Condition

Ropeway System	Mono-Cable Pulsated Fixed Grip Ropeway system
Length	310 Mtrs. (approx)
Level Difference	101 Mtrs.
Capacity	500 PPH (Person Per Hour)
Line Speed	0 to 4 Mtr./sec.
Rope Dia.	42 mm.

No. of Cabins	16 nos.
Cabin Capacity	6 Seater
Trestle	4 nos.
Power Requirement	110 KW
Stand by DG set	300 KVA and Additional 75 HP Automobile engine for rescue operation

Project highlight

Land	It is a both Forest Land & Revenue Land.
Water	Water requirement: 11.0 KLD. Water Source: Municipality.
Power	Power Supply : 415 Volt, 3-Phase, 50 Hz. Power Source : The power required for the proposed passenger ropeway will be sourced from State Electricity Board.
Waste water	Domestic wastewater will be sent in Septic tank followed by Soak pit .
D.G. Set	D.G. Set of 300 KVA with acoustic enclosure as a power Backup will be provided & Additional 75 HP Diesel Engine for rescue operations.
Man Power	21 nos.
Tentative Project Cost	479 lacs.
Solid Waste	Solid garbage of used packages of ready food product will be collected and disposed of regular basis by the municipal authrised collectors. The lubricant oil generated from DG sets shall be stored in HDPE containers and it will be reused in rope lubrication to protect from rust & for cleaning purpose of instruments.

Land requirement:-

Total land requirement is 0.4394 hectares in which forest land (0.2394 ha) & revenue land (0.2 ha). MoEF&CC has allowed to use forest land (0.2394 ha) as non- forest land dated 01.05.2018. Land use planning will be as follows:

- 1 Upper Station 1344 Sq. Mts.
 - 2 Ropeway Corridor 1050 Sq. Mts.
 - 3 Lower Station & Trestles 2000 Sq.
- Total Area 4394Mts.(hectares)
Green Belt 33%

During initial discussion of the project with PP it was informed to them that the Form-1 is submitted by them is incomplete and environmental sensitivity is also not addressed properly hence the PP was asked to submit revised from 1 along with EMP prepared by accredited consultant as per MoEF&CC OM dated 03/03/2016, Details of safety and proposed rescue plan, any tree falling proposed, details of STP for treatment of sewage, Green belt development plan etc for further consideration of the project.

PP vide letter dated 04/12/2018 has submitted the Revised Form-I, PFR, EMP, Risk assessment and Disaster Management Plan, which was forwarded through SEIAA vide letter no 1807 dated 07/12/2018

Based on the above submission by the PP this case was scheduled for the presentation and discussion. During discussion & presentation PP submitted that Hon'ble High Court of Delhi vide their order dated 18/09/2017 has permitted M/s EPSILON Project Pvt. Ltd., to present the case before "Central and State Environmental Appraisal Committee" and produce the photocopy of the court order. Committee after referring the Hon'ble Delhi High Court, permitted the Pp to present the case & EMP. After presentation PP was asked to submit following information's:

1. Environmental policy of the company duly approved by the board of Director.
2. PP would address the factor of safety and why monocable is selected over dual cable.
3. Details of the proposed STP with their cost and maintenance.
4. Proposed schedule of roap replacement.
5. Revised EMP as suggested by the committee during presentation.
6. Revised CSR including free distribution of polythene free bag.
7. Committeemen from the PP that used oil will not be used in ropeway for lubrication.
8. Solid waste management plan is to be submitted by the PP.
9. Fire fighting arrangement system is to be submitted by the PP.
10. Proposal of solar power for office and other support facilities.

9. **Case No. - 5792/2018 Mr. Anurag Maheswari, Director, M/s Shri Shristi Construction Pvt. Ltd, Khasra No. 379/4, Bijalpur, opposite Phalbag, AB Road, Indore, (M.P.) – 452012. Prior Environment Clearance for Construction of Proposed "AVASA" Multi Flat Unit M/s Shri Shristi Construction Pvt. Ltd, (Total Plot Area = 20,550.0 sqm., Total Proposed Built-up Area = 40,859.04 sqm) Total no's of Villas - 334 units, at Village - Bijalpur, Tehsil - Indore & Dist. Indore, (M.P.) Category: 8(a) Building & Construction Project.**

This is case of Prior Environment Clearance for Construction of Prior Environment Clearance for Construction of Proposed "AVASA" Multi Flat Unit M/s Shri Shristi Construction Pvt. Ltd, (Total Plot Area = 20,550.0 sqm., Total Proposed Built-up Area = 40,859.04 sqm) Total no's of Villas - 334 units, at Village - Bijalpur, Tehsil - Indore & Dist. Indore, (M.P.) Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

This case was scheduled in this meeting wherein PP and their consultant were present. During discussion and perusals of the documents it was observed by the committee that the It's a case of Violation. During presentation, PP submitted following salient features of the project:

Sr. No.	Particulars	Details
1	Name of the Project	Proposed "AVASA" Multi flat Unit
	Location	at Khasra No 374,375/1,375/2part,376/1 part ,376/2 ,377/1 , 377/2part, 378/2,378/3, 378/4, 379/1, 379/2, 379/3, 379/4, 379/5,379/6, 379/7,380/1/2/5, 385/P, 385/P, 385/2, 386/1,389/1, 389/2, 390/1, 390/2, 386/2, 389/1, 390/2 Village Bijalpur Taluka Indore District Indore, MP State
2	Name of the Company	M/s. SHRI SHRISTI CONSTRUCTION PVT.LTD
	Address	E-49, Saket Nagar Indore M.P.
3	Latitude and Longitude of the project	Latitude - 22°40'16.6 "N Longitude - 75°50'27.5"E
4	If a Joint venture, the names & addresses of the JV partners including their share	NA
5	Type of Building	Residential Apartments
	Project brief: nature of proposal (new/expansion,)	New (violation)
6	Total Plot Area	Total Plot Area = 20550.0 Sq.m Area for road = 86.0 Sq.m Net Plot area = 20464.0
7	Total Ground Coverage	Ground Coverage (30% of net plot area) = 6139.5 Sq.m
8	Total Builtup Area	40859.04 sq.m
9	Cost of the project	INR 35.0 Crores
10	Road and Internal Circulations space/Paved area	Road Area and Open Area- 8049.5 Sq. m
11	Landscape	2165 sq.m (10.6%)

Sr. No.	Particulars	Details
12	Nos. of trees	Total nos. of trees Required: 1 tree/80 sq.m = (Total Planning area – Ground coverage)/80 (20464-6139.5)/80 =179 nos. Planning = 225 Plants
13	Nos. of Floor and basements	P+10
14	Parking facilities	Total No,s of Parking – car 559 nos.
15	Power Requirement and Sources	About 1544 KW power will be required for the Project and it will be sourced from State Electricity Board.
16	Power backup	Backup power supply is planned for the project through DG Set (to be placed in acoustic chamber). Capacity – 2 x 15 KVA
17	Water requirement and Sources	Total water requirement -214 KLD Source of the water is municipal water supply.
18	Solid waste Generation	Biodegradable 476.4 kg/day Non biodegradable 317.6 kg/day
19	Connectivity	Indore Railway Station –5.5 km Indore Airport - 20.0 km

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8th March, 2018 recommends that case may be dealt as per the provisions laid down in this notification and the project may granted Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as a independent chapter in the EIA report by the accredited consultant and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories.

Hence committee recommended to issue additional TOR as per notification dated 08th March 2018 along with standard TOR prescribed by the MoEF&CC for conducting the EIA as follows:-

1. Project description, its importance and the benefits.
2. Project site detail (location, toposheet of the study area of 10 Km, coordinates, Google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage.

3. Land use as per the approved Master Plan of the area, permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board etc.
 4. Land acquisition status, R & R details.
 5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 Km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
 6. Baseline environmental study for ambient air (PM10, PM2.5, SO₂, NO_x & CO), water (both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/CPCB guidelines at minimum 5 locations in the study area of 10 Km.
 7. Details on flora and fauna and socio-economic aspects in the study area
 8. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.)
 9. Source of water for different identified purpose with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
 10. Waste water management (treatment, reuse and disposal) for the project and also the study area
 11. Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.
 12. Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
 13. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environmental (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
 14. Preparation of EMP comprising remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
 15. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.
- 10. Case No. - 5669/2018 M/s Jigsun Alloys Pvt. Ltd, Plot No. 10, House No. 762, Tilaknagar, Dharampeth, Nagpur, MH-440010 Prior Environment Clearance for Dolomite Mine in an area of 4.830 Ha.. (51,101 ton per annum) (Khasra no. 278) at Vill. Lohani, Teh. Sausar, Dist. Chhindwara, (MP).**

This is case of Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 278) at Vill. Lohani, Teh. Sausar, Dist. Chhindwara, (MP). 4.830 Ha. The project requires prior EC before commencement of any activity at site.

This case was scheduled in 312th SEAC meeting dated 17/04/2018 wherein PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office vide letter no.2365 dated: 15/12/2017 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 42.511 ha including this mine. It being a case of cluster committee recommended to issue standard TOR prescribed by MoEF&CC with following additional TORs and conditions mentioned in annexure-D:

1. During monitoring activities, appropriate photographs with date should be taken by and submitted along with the EIA Report.
2. Compliance of consent conditions of the MP Pollution Control Board should be obtained from concerned Regional Officer with pictorial and documented proof.
3. Top soil management plan be discussed in the EIA report.
4. Ground water recharge study of the nearby area be carried out by the PP and same should be discussed in the EIA report.
5. Inventory of operating / proposed mines within 2 Km around the said mine should be provided in the EIA report.
6. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
7. Alternate mineral evacuation route avoiding the nearby habitations (i.e Sawanga Village) should be proposed in the EIA report with budgetary allocations and road dimensions.
8. Land use plan should be plotted on the map.
9. Plan to avoid surface Run –off in the nearby river should be addressed properly in the EIA report.
10. ESP & SAR should be done in Soil analysis.
11. Details of last three years activity –wise expenditure done on Environment and CSR should be submitted in the EIA.
12. PP informed that no production is obtained from 2014 for which an affidavit of PP shall be submitted with the EIA report.

PP has submitted EIA vide letter dated 24/11/2018 which was forwarded through SEIAA vide letter no. 1773 dated 06/12/2018.

This case was scheduled for the EIA presentation and discussion wherein 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 and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

11. **Case No. 5764/2018 Shri Virendra Singh Patel, Village Chilachond, Tehsil Narsinghpur, District Narsinghpur (MP)-487001 Prior Environment Clearance for Fireclay Mine in an area of 7.4111 ha. for production capacity of 10,485 TPA at Khasra No. 483/1 Village Chilachond, Tehsil Narsinghpur, District Narsinghpur (MP)**

This is case of Fireclay Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 483/1 Village Chilachond, Tehsil Narsinghpur, District Narsinghpur (MP) 7.4111 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information of the leases within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office vide letter no. ---- dated: ----- has reported that there is no more mine operating or proposed within 500 meters around the said mine.

This case was presented by PP and their consultant in 325th SEAC meeting dated 01/12/2018 after presentation PP was asked to submit following information:

- Revised Form -1 with includes all the sensitive features around the mine in chapter-9 "Environmental Sensitivity".
- Information of the other lease's within 500 meters radius around the mine in the prescribed format duly verified by competent authority.

PP has submitted the Revised Form-I and information of the lease within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office vide letter no. 3171 dated: 26/10/2018 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

Based on the above this case was scheduled for the presentation and discussion wherein 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 and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

12. Case No. - 2416/2015 Shri Sumit Singhania, 8, Shastri Nagar, Neemuch (M.P.)-458441-Proposed Sarwania Maharaj Laterite Mine Lease Area – 13.284 ha., (for expansion in Capacity from 1,837 TPA to 2,50,000 TPA) at Khasra No. – 39/1, Vill.-Sarwania Maharaj, Th.--Neemuch, Distt.-Neemuch (M.P.).

Earlier this case was scheduled in 191st SEAC meeting dated 07/05/2015 wherein it was recorded that: This is a Mining Project comprising mining of Laterite in a lease area of 13.284 Ha. The mine is operational and now intends to enhance production from 1837 TPA to 250000 TPA. The project is mentioned as item 1(a) in the EIA Notification hence requires prior EC before commencement of the desired activity at site. Salient features of the project, PFR and the proposed TOR were presented by the PP before the committee. The Open-cast and Mechanized Mining is proposed in the project. After deliberations Committee agreed to issue **TOR** with inclusion of following points in the EIA / EMP in addition to standard:

- Appropriate Evacuation plan has to be prepared and presented with road map for transport of the material from the mining site up to the main trunk.
- Daily dispatches of the material to be reported.
- Air modeling shall be carried out using standard soft-wares for point, area and line sources.
- Collection of base-line monitoring data reported to be initiated; the same may be used in the report.
- All environmental monitoring shall be conducted through approved Laboratories.
- EIA shall be prepared only by Accredited Consultants in the field of Mining.

Earlier this case was recommended for delisting in 314th SEAC meeting dated 10/05/2018 as the TOR validity were up to 06/05/2018.

SEIAA vide letter no 1769 dated 06/12/2018 has forwarded this case to SEAC stating that, Since PP has submitted Revised Form-I, PFR and Public Hearing as per the OM dated 29.08.2017 by MoEF & CC (the validity of the TOR can be extend for a year).Hence it is

decided to re-open the case and send technical file to SEAC for consideration and appraisal of the case.

Based on the above this case was scheduled for the presentation and discussion wherein: 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 and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

13. Case No. - 5725/2018 Sarpanch, Gram Panchayat Tikarwara, Tehsil - Mandla, Dist. Mandla, MP – 481771 Prior Environment Clearance for Sand mine in an area of 6.00 Ha. (1,15,668 cum per annum) (Khasra no. 298/1) at Village- Tikarwara, Tehsil - Mandla, Dist. Mandla (MP)

This is case of Sand mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 298/1) at Village- Tikarwara, Tehsil - Mandla, Dist. Mandla (MP) 6.00ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office vide letter no. 554 dated 02/5/2018 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

Earlier this case was presented by the PP and their consultant in 323rd SEAC meeting dated 18/08/2018. During presentation it was observed by the committee that replenishment details of sand are not provided in the mine plan. Thus PP was asked to provide replenishment details duly approved by the competent authority for further consideration of the project.

This case was scheduled for the presentation and discussion in 336th SEAC meeting dated 04/12/2018, wherein Project Proponent (PP) remains absent 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 for appraisal.

Today, this case was again scheduled for presentation wherein it was recorded: 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. PP was also absent in the 336th SEAC meeting dated 04/12/2018. Committee

decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

14. Case No. – 5711/2018 Sarpanch, Gram Panchayat, Village - Lodaroti, Tehsil - Betul, Dist. Betul, (M.P.) – 460001 (SIA/(M.P.)/MIN/73781/2018). Prior Environment Clearance for Sand mine in an area of 5.450 Ha. (7200 cum per annum) (Khasra no. 106) at Village- Kodaroti, Tehsil - Betul, Dist. Betul (M.P.).

This is case of Sand mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 106) at Village- Kodaroti, Tehsil - Betul, Dist. Betul (M.P.) 5.450 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Ekal Praman-Patr vide letter no.1262 dated: 19/08/2016 has reported that there is no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant in 320th SEAC meeting dated 14/07/2018. Committee after discussion and perusal of the documents found that there is a culvert in the middle of the lease and thus the lease is bifurcated in to two portions, hence instructed to the PP to left 250 meter set back from the both side of the culvert before commencing the mining. Committee also suggested that the portion of lease towards northern side shall be used for the sand evacuation considering the availability of sand and sanctioned volume of 7200 cum/year. After presentation asked PP to submit response on the following queries:

1. Coordinates of the lease area duly signed by the mining authority.
2. Replenishment study duly approved by the competent authority.
3. Permission from gram panchayat for using river water for water sprinkling.
4. Revised Plantation details as suggested by the committee during presentation.
5. Revised EMP & CSR budget as suggested by the committee during presentation.

PP was also informed to submit above information vide Letter No. 235 dated: 20/07/2018 and a reminder letter no. 347 dated: 19/11/2018 stating to submit information within 30 days was also sent to the PP. PP so far has not submitted the desired information's and the case were placed before the committee. The committee observed that PP has neither submitted the desired information nor has requested for providing additional time to submit desired information and thus decided that this case may be recommended for delisting to SEIAA as

per MoEF&CC OM No. F-11013/5/2009-IA-II (Part) dated 30/10/2012 as PP has not submitted the desired information.

15. Case No. – 5712/2018 Sarpanch, Gram Panchayat, Village - Shahpur/Patowapura, Tehsil Shahpur, Dist. Betul, (M.P.) – 460001 (SIA/(M.P.)/MIN/74711/2018).Prior Environment Clearance for Sand mine in an area of 11.0 Ha. (3,30,000 cum per annum) (Khasra no. 1 & 112) at Village - Shahpur/Patowapura, Tehsil - Shahpur, Dist. Betul (M.P.).

This is case of Sand mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no. 1 & 112 at Village - Shahpur/Patowapura, Tehsil - Shahpur, Dist. Betul (M.P.).11.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collectors' Office (Ekal Praman-Patr) vide letter no.708 dated: 13/05/2016 has reported that there is no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled in 320th SEAC meeting dated 14/07/2018 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 and even it the PP remains absent, 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 in 324th SEAC meeting dated 19/08/2018 wherein during initial discussion it was observed that co-ordinates of the lease are not available in the case file nor mentioned in the mine plan submitted by PP hence location of the lease cannot be ascertained. Thus PP was asked to submit co-ordinates of lease duly authenticated by the mining officer for further consideration of the project.

PP was also informed to submit above information vide Letter No. 254 dated: 07/09/2018 and a reminder letter no. 349 dated: 19/11/2018 stating to submit information within 30 days was also sent to the PP. PP so far has not submitted the desired information's and the case were placed before the committee. The committee observed that PP has neither submitted the desired information nor has requested for providing additional time to submit desired information and thus decided that this case may be recommended for delisting to SEIAA as per MoEF&CC OM No. F-11013/5/2009-IA-II (Part) dated 30/10/2012 as PP has not submitted the desired information.

16. Case No. - 5727/2018 Executive Engineer, Narmada Development Division No. 8, Sanawad, Distt.- Khargone, (M.P.) 450119. Reference No. for online tracking of project Details SIA/MP/RIV/21389/2017. Prior Environment Clearance for Narmada - Kshipra Link Multipurpose Project at Khasra No. 355, Village - Bakhatgarh, Dewas, Tarana, Ghatiya and Shajapur, Distt. - Ujjain, Shajapur, Dewas & Khandwa District of Malwa Region. in 162 Villages. (M.P.) Capacity – 30,000 Hact. of land. Cat. - 1(c) River Valley and Hydroelectric Projects.

This is a River Valley projects involving < 10,000 ha. of culturable command area falls under category "B" and have been mentioned at SN. 1(c) column B of Schedule of EIA Notification, hence such projects are required to obtain prior EC from the SEIAA. The application for EC was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP.

Salient features of the project, proposed TOR and other details of the project were presented before the SEAC by the PP and his consultant, which reveals following:

Overview:

Madhya Pradesh (MP) is the State of India having a geographical area of 30.8 million hectares. The state is predominantly agriculture-oriented as 80% of its population is dependent on agriculture. The net sown area of the state is 14.96 million hectares. In Narmada Valley 29 Major Projects are proposed for construction by the State with irrigation potential of 14.174 lacs hectares and installed capacity of 2434.50 MW for power generation, out of which potential of 5.74 lacs hectares has already been created by completed 5 major projects, 16 medium projects and 893 minor projects. The Govt. of M. P. under Narmada Valley Development plans has emphasized on irrigated agriculture.

Objective:

The objective of the project is to increase production of agriculture and improve the living standard of farmers in the designed command area of **Ujjain, Shajapur&Dewasdistrict - Nagda area (Madhya Pradesh)**, by constructing Distribution Network for Micro-irrigation and also providing outlets for drinking and industrial use in Malwa region. This will lead to the utilization of limited water resources efficiently and ensure equitable assured water supply to the command area.

Project Details:

Name of the Project	: Narmada-Kshipra Multipurpose Project
Type of Project	: Lift Irrigation Project
Project Location	
i) Supply Source	: Omkareshwar Reservoir

- ii) Lifting Point : Omkareshwar Reservoir in Khargone district near village Badel in forest range
- iii) Feeder Reservoir : Proposed Junction structure near village Dewas Tehsil & District Dewas
- iv) Command : In Ujjain and Shajapur districts

River Basin

- a) Name
- i) Lifting : Narmada Basin
 - ii) Command : Sub Basin of Chambal Basin
- b) Located in : Madhya Pradesh

Irrigation

- Gross Command Area (GCA) : 56,774 ha
- Culturable Command Area (CCA) : 30,000 ha
- Crop : Rabi - 100% (30,000ha)

Water Utilization

- Discharge : 15 cumec
- Annual Utilization : 0.21 MAF (261 MCM)

Estimated life of the project : 50 Years

Pump Head : Total lifting head – 497m

Pipe System : Main transmission pipeline – 69.5 km

Distribution system : piped distribution up to 2.5 Ha (HDPE/MS Pipe)

Power Requirement : 89 MW

Cost : 2215.64 Crore

B. C. Ratio : 1.95

The case was presented by the PP and their consultant in 325th SEAC meeting dated 20/08/2018, wherein during presentation it was submitted by the PP that 100 ha forest land is involved in the project, committee recommended that the application made by the PP for the FC clearance shall be submitted within 60 days and no submergence is involved in the project. After deliberations committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA study along with following additional TORs and as per Annexure-D.:

1. A detail of the source (quantum of water available, other potential users etc.) from where water is envisaged to be lifted shall be furnished.
2. Places where diversions of nallah/natural drains are proposed should be detailed out in the EIA report.
3. Sedimentation study in the pipe lines including the deposition, scaling etc should be furnished with EIA report along with the methodology proposed for its cleaning.
4. Economic viability and cost benefit analysis be conducted and presented in the EIA report and should also take into consideration environmental/ecological factors.
5. How micro-irrigation technology shall be implemented in this project after the completion of the project should be discussed in the EIA report.
6. The study area for the EIA shall include 2.5 Km area on either sides of the pipeline.
7. Management plan for dug-out material generated during laying / construction of the pipe line / structures.
8. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
9. An inventory of flora & fauna based on actual ground survey shall be presented.
10. As forest land is involved in the project status of FC stage to be clarified with supporting documents with 60 days.
11. PP should also explore the possibility of reducing proposed power requirement and methods proposed for dealing with back pressure in case of electricity failure should be studied in the EIA report.
12. EIA report should cover impact of anticipated change in cropping pattern and associated activities like horticulture, animal husbandry etc.
13. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.
14. Ratio of gravity flow and pumping should be studied in the EIA report as 03 pumping stations are proposed in the project.
15. Since all the pumping stations are in remote locations, mechanism of providing power supply to them should be discussed in the EIA report. If fresh HT lines are proposed to

be laid down issues such as land acquisition should be detailed out in the EIA report. For lying transmission line, if there is involvement of forest land, same should be added in the FC proposal.

16. Any proposal for alternate power supply. If yes, their details should be discussed in the EIA report.
17. Risk factors with their management plan should be discussed in the EIA report.
18. Intensive flora and fauna should be studied as project is in close proximity with Ratapani Wildlife Sanctuary.

PP vide letter no 3778 dated 24/12/2018 has submit a request for amendment in TOR and also submitted revised from-1 through SEIAA vide letter dated 28/12/2018 and thus the case was placed in the meeting.

The case was presented by the PP and their consultant wherein PP submitted that previously the TOR application was submitted during the contract finalization in which lifting point was taken near village Bakhatgarh Distt- Khandwa. However during detailed investigation, it was observed that intake point is more suitable near village Badel of Khargone District instead of Bakhatgarh at Khandwa District & some part of pipeline is also passing through Indore district for which they have submitted the revised Form-I and requested that in place of districts Khandwa, Ujjain, Shajapur and Dewas revised TOR may be issued for Khargone, Indore, Dewas, Ujjain and Shajapur. The committee after deliberations accepted the request of PP considering that with the proposed revision about 10.00 ha of forest area will be saved and recommends that the revised TOR may be issued for district Khargone, Indore, Dewas, Ujjain and Shajapur as per revised from-1 and presentation made by PP.

17. Delisting of TOR as their validity has expired.

TOR's were issued to the following cases and till date neither the EIA is submitted by PP nor PP has submitted any request for TOR's validity extension and the validity of TOR is expired. Hence committee after deliberations decided that these cases may be sent to SEIAA for delisting:

SN	Case No. Activity	SEAC Meeting details	ToR Validity
1.	Case No. - 3833/15 Shri Balu Singh S/o Shri Ambaram Singh, 1/2, Bilawali AB Road, District-Dewas (MP)-455001 Prior E.Cfor approval of Stone Quarry in an area of 4.00 ha. (20,370 cum/year) at Khasra No. -778, Vill.-Kanheriya, Tehsil-Tonk Khurd, District-Dewas	ToR Recommended in 248 th SEAC meeting 12/12/15.	ToR Valid up to 11/12/2018.
2.	Case No. - 3834/15 Shri Mukesh S/o Shri Bhanwarlala, 1/3, Radhaganj, District-Dewas (MP)-455001 Prior E.Cfor	ToR Recommended in 248 th SEAC	ToR Valid up to

	approval of Stone Quarry in an area of 4.00 ha. (20,370 cum/year) at Khasra No. -777, Vill.-Kanheriya, Tehsil-Tonk Khurd, District-Dewas (MP)	meeting date 12/12/15.	11/12/2018.
3.	Case No. - 3754/15 Shri Pushpendra Babu Shukla S/o Shri Shambhu Dayal Shukla, Partner, M/s Kamna Granite R/o 137/2A, C.P. Mission Compound, District-Jhansi (UP)-284001 Prior E.Cfor approval of Stone Quarry in an area of 4.00 ha. (40,000 cum/year) at Khasra No.-270Vill.-Pachara, Tehsil-Datia, District-Datia (MP)	ToR Recommended in 249 th SEAC meeting date 14/12/15.	ToR Valid up to 13/12/2018.
4.	Case No. - 3766/15 Case No 3766/15 Shri Sameer Singh R/o Govind Niwas Palace, Tehsil-Datia, District-Datia (MP)-475335 Prior E.Cfor approval of Stone Quarry in an area of 2.00 ha. (20,000 cum/year) at Khasra No.-270, Vill.-Pachara, Tehsil-Datia, District-Datia (MP)	ToR Recommended in 249 th SEAC meeting date 14/12/15.	ToR Valid up to 13/12/2018.
5.	Case No. - 3759/15 Shri Ajay Kumar Pathak, R/o Semariya Chowk, Chankyapuri, P.O. & District-Satna (MP)-485001 Prior E.Cfor approval of Limestone and Laterite Mine in an area of 23.237 ha. (production capacity 1,50,000 TPA) at Khasra No.-3688, Vill.-Kotar, Tehsil-Kotar, District-Satna (MP)	ToR Recommended in 246 th SEAC meeting date 10/12/15.	ToR Valid up to 09/12/2018
6.	Case No. - 3385/15 Shri Raj Kumar Nema, OIC, Sub Off., M.P. State Mining Corporation Ltd., H.No. 12, Ward No. 17, Sainath Colony, Meenakshi, Hoshangabad (MP)-461001Prior E.Cfor approval of River Sand Mine in an area of 20.200 ha. (5,00,000 cum/year) at Khasra No.-202/2, Vill.-Manwada, Teh.-Babai, District-Hoshangabad (MP)	ToR Recommended in 242 nd SEAC meeting date 07/11/15.	ToR Valid up to 06/11/2018

(Dr. Mohd. Akram Khan)
Member

(Dr. A.K. Sharma)
Member

(Dr. Sonal Mehta)
Member

(Shri Prasant Srivastava)
Member

(Dr. R. Maheshwari)
Member

(Dr. Rubina Chaudhary)
Member

(Mohd. Kasam Khan)
Chairman

Following standard conditions shall be applicable for the mining projects of minor mineral in addition to the specific conditions:

Annexure- 'A'

Standard conditions applicable to Stone/Murram and Soil quarries:

1. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
4. Transportation of material shall be done in covered vehicles.
5. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. The proposed plantation should be carried out along with the mining @45 trees per hectare and PP would maintain the plants for five years including casualty replacement.
8. Transportation shall not be carried out through forest area.
9. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat.
10. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
11. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
12. NOC of gram panchayat should be obtained for the water requirement.
13. PP should also maintain a log book containing annual details of tree plantation and causality replacement.
14. 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.
15. Mining should be done as per the submitted land use plan submitted by PP.

Annexure- 'B'

Standard conditions applicable for the sand Mine Quarries*

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
4. Plantation shall be carried out on the banks for stabilization of the banks.
5. The mining activity shall be done manually.
6. No heavy vehicles shall be allowed to enter the river bed and the transportation of the sand from the excavation pits of the leased area to the loading point shall be through trollies (tractor trollies) and not by heavy vehicles. Only registered tractor trollies which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
7. NOC of gram panchayat should be obtained for the water requirement.
8. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
9. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
10. No Mining shall be carried out during Monsoon season.
11. The depth of mining shall be restricted to 3m or water level, whichever is less.
12. No in-stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.
19. Mining should be done as per the submitted land use plan submitted by PP.

Annexure- 'C'

Standard conditions applicable for the Khodu Bharu sand Mine Quarries*

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
4. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
5. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
6. The mining activity shall be done manually.
7. Heavy vehicles shall not be allowed for removal of sand.
8. The sand shall be transported by small trolleys up to the main transport vehicle.
9. Transport vehicles will be covered with tarpauline to minimize dust/sand particle emissions.
10. No Mining shall be carried out during Monsoon season.
11. PP shall take Socio-economic activity in the region through the 'Gram Panchayat'.
12. NOC of gram panchayat should be obtained for the water requirement.
13. EC will be valid for mine lease period/mine plan subject to a ceiling of 5 years.
14. The mining shall be carried out strictly as per the approved mining plan.

Annexure- 'D'

General conditions applicable for the granting of TOR

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
3. An inventory of flora & fauna based on actual ground survey shall be presented.
4. Risk factors with their management plan should be discussed in the EIA report.
5. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
6. The EIA document shall be printed on both sides, as far as possible.
7. All documents should be properly indexed, page numbered.
8. Period/date of data collection should be clearly indicated.

9. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
10. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
11. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
12. Grant of TOR does not mean grant of EC.
13. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
14. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
15. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
16. All the necessary NOC's duly verified by the competent authority should be annexed.
17. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
18. The EIA report should clearly mention activity wise EMP and CSR cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
19. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
20. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
21. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
22. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
23. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.

FOR PROJECTS LOCATED IN SCHEDULED (V) TRIBAL AREA , following should be studied and discussed in EIA Report before Public Hearing as per the instruction of SEIAA vide letter No. 1241 dated 30/07/2018.

24. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
25. Detailed analysis of availability and quality of the drinking water resources available in the block.
26. A study by CPCB of the methodology of disposal of industrial waste from the existing industries in the block, whether it is being done in a manner that mitigate all health and environmental risks.
27. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtained.