

The 331<sup>st</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 25<sup>th</sup> October, 2018 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. Shri Prasant Srivastava, Member.
4. Dr. R. Maheshwari, Member.
5. Dr. Jai Prakash Shukla, Member.
6. Dr. Sonal Mehta, Member.

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

1. **Case No. - 5703/2018 Mr. Raman Mahajan, Executive Engineer, Indore Development Authority, 7, Race Course Road, Indore, (M.P.) – 452003. Prior Environment Clearance for Area Development Project of Scheme No. - 169A, Total Area – 150.146 Ha. Net Planing Area – 96.311 Ha., at Village - Sukhliya, Kumedi, Narval, Bhawrasala, Tehsil - Indore, Dist. Indore, (M.P.) Cat. - 8(b) Township and Area Development Projects. Env. Con. – In Situ Enviro Care, Bhopal (M.P).**

This is case of Prior Environment Clearance for Area Development Project of Scheme No. - 169A, Total Area – 150.146 Ha. Net Planing Area – 96.311 Ha., at Village - Sukhliya, Kumedi, Narval, Bhawrasala, Tehsil - Indore, Dist. Indore, (M.P.) Cat. - 8(b) Township and Area Development Projects.

Earlier this case was scheduled in 319<sup>th</sup> SEAC meeting dated 22/06/2018 wherein it was recorded that: It being a case of Area Development Project of Scheme No. - 169A, where total area 150.146 Ha. committee recommended to issue standard TOR as prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and as per Annexure-D:-

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, PN2.5, SO<sub>2</sub>, NO<sub>x</sub> & 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. Surface 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.

PP has submitted the EIA report vide letter dated 11/09/2018 which was forwarded through SEIAA vide letter no.-1403 dated 26/09/2018.

The EIA was presented by the PP and their consultant and during presentation following details were provided by the PP:

<b>S. No.</b>	<b>Particulars</b>	<b>Details</b>
1	<b>Name of the project</b>	Area Development Project of Scheme No. 169A of Indore Development Authority.
	<b>Location:</b>	Sukhliya, Kumedi, Narval, Bhawrasala, Indore (M.P.)
2	<b>Name of the Company,</b>	Indore Development Authority.
	<b>Address</b>	Indore Development Authority, 7 Race Course Road, Indore-452003, (Madhya Pradesh.)
	<b>Tele No.</b>	9893699150

	<b>E-mail :</b>	idaindore7@yahoo.co.in			
3	<b>Latitude and Longitude of the project.</b>	22°46'25.61"N, 75°51'33.10"E			
4	<b>If a Joint venture, the names &amp; addresses of the JV partners including their share.</b>	Land is proposed for area development project (Scheme No. 169A) as per Indore Development Plan - 2021 Indore Madhya Pradesh Public Semi Public (P.S.P.) use.			
5	<b>Project brief: nature of proposal (new/expansion,)</b>	New			
	<b>Project components</b>	<b>S. No.</b>	<b>Connectivity</b>	<b>Name</b>	<b>Distance and Direction from the project site</b>
		1.	▪ Road Connectivity	Super corridor Road	Just adjacent to the proposed development scheme in West
		2.	▪ Nearest Railway Station	Lakshmi Bai Nagar Railway Station	Approx. 2.3 km, SSW from the project site
		3.	Nearest Airport	Devi Ahilyabai Holkar Airport	Approx. 71 km, SW from the project site
		4.	Nearest State / National Boundary	Madhya Pradesh- Rajasthan Border Gujrat – Madhya Pradesh Boarder	Approx. 123.16 km NW from the Project site Approx. 142.23 km W from the Project site.
6	<b>Cost of the project</b>	Rs. 33700 Lakhs			
7	<b>Whether the project is in Critically Polluted area.</b>	No			
8	<b>If the project is for EC under EIA Notification, 2006</b>	Yes			
	<b>a) For the first time appraisal by EAC</b>	Yes			
	<b>(i) Date of ToR:</b>	(i) Applied for ToR			
	<b>(ii) Date of Public Hearing, location</b>	(ii) N.A.			

	<b>(iii) Major issues raised during PH and response of PP</b>	(iii) N.A.
	<b>b) Second appraisal (i) Date of first /earlier appraisal (ii) Details of the information sought by the EAC with the response of the PP.</b>	NO
9	<b>If the project involves diversion of forest land (i) extend of the forest land (ii) status of forest clearance.</b>	NO -- --
10	<b>If the project falls within 10 km of eco-sensitive area</b>	No Eco Sensitive Zone falls under 10 Km. radius of the project.
	<b>(i) Name of eco-sensitive area and distance from the project site,</b>	---
	<b>(ii) status of clearance from National Board for wild life</b>	---
11	<b>Waste Management (i) Water requirement, source, status of clearance</b>	(i) Approx. <b>13145.35 KLD Water requirement.</b> <b>Source: Indore Municipal Water supply</b>
	<b>(ii) Waste water quantity, treatment capacity, detail</b>	(ii) Total Waste Water Generation: 19500 KLD. Treatment capacity: 11 MLD STP.
	<b>(iii) Recycling / reuse of treated water and disposal</b>	Recycled water will be used for landscaping and miscellaneous purpose.
	<b>(iv) Solid Waste Management</b>	Details are given below:

<b>SOLID WASTE QUANTIFICATIONS</b>						
<b>Facilities Provided</b>	<b>Waste Generation Norms</b>		<b>Basis of Assumption</b>	<b>Unit</b>	<b>Total Waste Generated (TPD)</b>	
Residential	0.4	Kg/capita/day	CPCB	66937	Persons	26.7748
Commercial	0.35	Kg/capita/day	CPCB	53206	Persons	18.6221
Garden & Open Space	0.003	Kg/Sq m/day	Discussion with Horticulturist	101960	Sq.mt.	0.30588
STP Sludge	0.33	Kg/MLD of wastewater treated	Manual for Sewerage and sewage treatment by CPHEEO	9.15	MLD	0.0030195
Used/ Waste Oil	100	Liters/MW/year	Assuming one maintenance per year	93.36	MW	9336
<b>Total Waste Generated (TPD)</b>					<b>45.7057995</b>	
<b>Total Biodegradable 55 % of total (TPD)</b>					<b>25.13818973</b>	
<b>Total Non-Biodegradable 45 % of total (TPD)</b>					<b>20.56760978</b>	
	<b>(v) Hazardous Waste Management</b>	<p>The hazardous wastes along with other wastes in the project will be used oil from DG sets ( construction phase only) , which is classified as per The Hazardous Waste Category 5.1 as per The Hazardous Wastes (Management &amp; Handling) Rules, 2016.</p> <ul style="list-style-type: none"> <li>Used oil from DG sets will be stored in HDPE drums in isolated covered facility. This used oil will be sold to authorized recyclers. Suitable care will be taken so that spills/leaks of used oil from storage are avoided.</li> </ul>				
12	<b>Other details (i) Noise Modelling with noise control measures for airports</b>	(i) N.A. --				
	<b>(ii) Details of water bodies, impact on drainage if any</b>	(ii) No water bodies passing through the project area				
	<b>(iii) Details of tree cutting</b>	<b>No trees have been proposed to be cut in the project area.</b>				
	<b>(iv) Energy conservation measures with estimated saving</b>	The project planning is under process all standards measures will be taken for the energy conservation.				
	<b>(v) Green belt development (20 % of construction projects and 33</b>	Area under Landscaping = 96110 Sq.mt. Additional Green Area = All individual plots having their own green area as per the standard norms.				

	<b>% for others)</b>	
	<b>(vi) Parking requirement with provision made</b>	For plotted development, the parking shall be within the plots by plot owners. <b>Parking Area Provided by IDA for Scheme No. 169A as per T &amp; CP = 5850 Sq.mt.</b> <b>In this area mechanized parking will be proposed by IDA.</b>
13	<b>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</b>	N.A.
14	<b>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.</b>	N.A.

	<b>Quantity, (iv) detail of monitoring at outfall (v) Any other relevant information:</b>																											
15	<b>Other information (i) Investment/Cost of the project</b>	Rs. 337.00 Crore																										
	<b>(ii) Employment potential</b>	200 Nos. (Approx.)																										
	<b>(iii) Benefits of the project</b>	<p>The Area Development Project to be developed by M/s Indore Development Authority. The project is being designed to be a self-sufficient which offers amenities that exhibit a modern lifestyle at par with international standards.</p> <table border="1"> <thead> <tr> <th colspan="2"><b>Scheme 169A Residential/Commercial Area Development Project</b></th> </tr> <tr> <th><b>S. No.</b></th> <th><b>Amenities</b></th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Facilities of Daily Needs.</td> </tr> <tr> <td>2.</td> <td>Bank, ATM.</td> </tr> <tr> <td>3.</td> <td>Public Toilet.</td> </tr> <tr> <td>4.</td> <td>Police Station.</td> </tr> <tr> <td>5.</td> <td>Parking Facility</td> </tr> <tr> <td>6.</td> <td>Underground Sewage System.</td> </tr> <tr> <td>7.</td> <td>Common Sewage Treatment Plant.</td> </tr> <tr> <td>8.</td> <td>Fire Station.</td> </tr> <tr> <td>9.</td> <td>Over Head Tank.</td> </tr> <tr> <td>10.</td> <td>Electrification.</td> </tr> <tr> <td>11.</td> <td>Solid Waste Management Site.</td> </tr> </tbody> </table>	<b>Scheme 169A Residential/Commercial Area Development Project</b>		<b>S. No.</b>	<b>Amenities</b>	1.	Facilities of Daily Needs.	2.	Bank, ATM.	3.	Public Toilet.	4.	Police Station.	5.	Parking Facility	6.	Underground Sewage System.	7.	Common Sewage Treatment Plant.	8.	Fire Station.	9.	Over Head Tank.	10.	Electrification.	11.	Solid Waste Management Site.
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16	<b>Date of Ground water clearance:</b>	N.A.																										
17	<b>Cost of proposed EMP and CSR (with detailed components &amp; proposed activities) with capitol cost and recurring cost.</b>	<p><b>It is an area development project of Indore Development Authority and CSR will be decided as per the IDA (Govt. of M.P.) norms.</b></p> <p><b>All EMP cost estimation is under process and it will be submitted with the EIA presentation.</b></p>																										
18	Numbers of	Total green area measures 96110 m <sup>2</sup> of the plot area which will be in the form of																										

	plantation with name of species proposed & area allocated for plantation with budgetary provisions.	Herbs & Shrubs, Avenue plantation, and Shelter belt and water body within the project. Trees like <i>Azadirachta indica</i> , <i>Delonix regia</i> , <i>Jacaranda mimosifolia</i> , etc. and flowering and ornamental plants have been proposed to be planted inside the premises. No. of proposed trees & budgetary provision for the same will be submitted with the EIA report. The following table indicates the list of trees to be planted within the project.
19	Any river/Nallha flowing near or adjacent to the proposed project. If yes, please give details.	Saraswati river is passing through the project area. <b>Yeshwant Sagar</b> -15.3 Km, W from the project site

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

1. Commitment from the PP that: no R & R is involved in this project & no construction activity has been carried-out.
2. Quantification of MSW.

PP has submitted the reply on dated 25/10/2018 which was placed before the committee 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 Area Development Project of Scheme No. - 169A, Total Area – 150.146 Ha. Net Planing Area – 96.311 Ha. at Village - Sukhliya, Kumedi, Narval, Bhawasala, Tehsil - Indore, Dist. Indore, (M.P.) Cat. - 8(b) Township and Area Development Projects.

**(A) PRE-CONSTRUCTION PHASE**

1. During construction and demolition of old structures, the entire area should be covered with minimum 12 feet MS sheets and due care should be taken for noise and vibration control during construction & demolition work. Curtaining of site should also be carried out to protect nearby habitat.
2. For dust suppression measures such as regular sprinkling of water should be undertaken.
3. PP will obtain other necessary clearances/NOC from respective authorities.
4. Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.
5. Topsoil (approx upper 30 cm) will be removed prior to commencement of bulk earthwork and preserved onsite for reuse in landscape development within the project



area.

6. As proposed, the cut and fill plan should ensure that all the excavated earth material will be utilized within the project boundary for filling purpose during construction and no soil/muck shall be disposed of outside the project area.
7. Minimum clearance of vegetation shall be carried out and the vegetative cover shall be redeveloped wherever possible.
8. For dust mitigation measures following measures shall be adopted:
  - Roads leading to or at construction sites must be paved and blacktopped (i.e. metallic roads).
  - No excavation of soil shall be carried out without adequate dust mitigation measures in place (such as water sprinklers) and dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.
  - No loose soil or sand or Construction & Demolition Waste or any other construction material that causes dust shall be left uncovered.
  - Wind-breaker of appropriate height considering the quantum of construction work (minimum 03 meters) shall be provided.
  - Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste is prohibited.
  - No uncovered vehicles carrying construction material and waste shall be permitted.
  - Construction and Demolition Waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site.
9. The natural drainage system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems are allowed for maintaining the drainage pattern and to harvest rain water. Buildings shall be designed to follow the natural topography as much as possible for which minimum cutting and filling should be done.
10. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed within the project boundary taking the necessary precautions for general safety and health aspects of people.
11. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals from the MP Pollution Control Board.

## **(B) CONSTRUCTION PHASE**

12. Use of environment friendly materials in bricks, blocks and other construction materials, shall be used in the construction as per the provision laid down in Fly Ash Notification of September, 1999 and amended as on 27<sup>th</sup> August, 2003 and 25<sup>th</sup>

January, 2016.

13. During construction phase, a settling tank should be provided before final discharge of the effluent.
14. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to the standards prescribed for air and noise emissions under E(P) Act, 1986.
15. PPE's such as helmet, ear muffs etc should be provide to all the workers.
16. Fire extinguishers should be provided on site during construction period.
17. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
18. 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.
19. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 5,000 no's of trees will be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants. 96110 sq.m., land is earmarked for dedicated green belt development.
20. The proposed land use of the project is as follows:

<b>Area Details</b>	<b>Area In Ha</b>
<b>Tot Al Land Area Sch. No. 169 A</b>	<b>150.146</b>
Exempted Land By Ida Board	52.47
Land Exempted By Director T&Cp But Pending Before Ida Board	1.365
<b>Remaining Area Of Planning</b>	<b>96.311</b>
Area Under Railway & Railway Station	2.423
Area Under River & River Buffe'r	2.647
Area Under Master Plan Roads	11.25
Plot Area (Super Corridor)	27.667
Under Coordinated Plotted Area (Super Corridor)	0.549
Area Of Future Planning	6.237
Community Open Space (Park And Parking Area)	10.196
Public Utility (Mpeb,Public Toi.,Sw , Transfer Stn & Common Nodes)	3.446
Area Under Other Facilities (Petrol Pump & Cng St A Tion)	0.152
Area Under Isbt	6.542
Circulation Area (Roads & Pathways)	25.202
	<b>96.311</b>

21. MSW storage area should have 48 hours storage capacity and MSW should be disposed off at a designated place in consultation with the local authority.
22. Storm water drainage system shall be pervaded.
23. Provision for physically challenged persons is made so that they easily excess pathway/derive way for their vehicles.
24. For better traffic management optimum numbers of roads in the outskirts and within the city area should be provided. Since this project will attract huge inflow & outflow of traffic and to avoid traffic congestion flyovers at Jawahar chowk, Roshanpura and Mata Mandir traffic junctions shall be provided.
25. Provisions shall be made for Multi level car parking, Basement parking and Podium parking in an area of 5850 sq.meter. PP may also explore the possibility of providing mechanized parking.
26. Smart street lighting with solar street lights shall be provided.
27. 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.
28. Dual pipe plumbing system shall be provided for supplying fresh water (for drinking cooking and bathing etc) and recycled water for flushing, landscape irrigation etc..
29. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the all building plan.
30. The local bye-law provisions on rain water harvesting should be followed and incase of ground water abstraction approval shall be taken from the CGWA.

**(C) POST CONSTRUCTION/OPERATIONAL PHASE**

31. Fresh water requirement for the project shall not exceed 13.14 MLD.
32. For sewage and waste water treatment CSTP with total capacity of 245 MLD shall be use.
33. Suitable number of road sweeping machines (minimum 10) shall be provided.
34. Proper fire fighting arrangements in consultation with the fire department should be provided.
35. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
36. Complete automation using SCADA system (Supervisory Control & Data Acquisition) and active leakage control and detection system should be installed.
37. All building lighting will be designed as per Energy Conservation Building Code (ECBC) norms.

38. Sludge from the onsite sewage treatment, including septic tanks, shall be collected and disposed off as per the prevailing laws/rules,
39. As proposed in order to meet the standby power from the solar energy and sizing of solar water heating systems, 12% of total power shall be generated through roof top solar.

**(D) ENTIRE LIFE OF THE PROJECT**

40. PP has proposed Rs. 25,437 lacks for EMP.
41. The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016 and Solid Waste Management Rules, 2016 etc.
42. 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. - 5704/2018 Mr. Raman Mahajan, Executive Engineer, Indore Development Authority, 7, Race Course Road, Indore, (M.P.) - 452003. Prior Environment Clearance for Area Development Project of Scheme No. - 139A, Plot Area – 10,44,340 m<sup>2</sup> Planned Area – 5,76,120 m<sup>2</sup>, at Village - Sukhliya, Kumedi, Narval, Bhawrasala, Tehsil - Indore, Dist. Indore, (M.P.) Cat. - 8(b) Township and Area Development Projects. ENV. Con. – In Situ Enviro Care, Bhopal (M.P.).**

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Earlier this case was scheduled in 319th SEAC meeting dated 22/06/2018 wherein it was recorded that: It being a case of Area Development Project of Scheme No. - 139A, where total plot area 10,44,340 m<sup>2</sup> and Planned Area – 5,76,120 m<sup>2</sup> committee recommended to issue standard TOR as prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and as per Annexure-D:-

1. Project description, its importance and the benefits.
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map, layout map, land use, geological features and geo-hydrological status of the study area, drainage.

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The EIA was presented by the PP and their consultant and during presentation following details were provided by the PP:

<b>S. No.</b>	<b>Particulars</b>	<b>Details</b>
1	<b>Name of the project</b>	Area Development Project of Scheme No. 139 of Indore Development Authority.
	<b>Location:</b>	Sukhliya, Kumedi, Narval, Bhawrasala, Indore (M.P.)
2	<b>Name of the Company,</b>	Indore Development Authority.
	<b>Address</b>	Indore Development Authority, 7 Race Course

		Road, Indore-452003, (Madhya Pradesh.)																				
	<b>Tele No.</b>	9893699150																				
	<b>E-mail :</b>	idaindore7@yahoo.co.in																				
3	<b>Latitude and Longitude of the project.</b>	22°46'26.56"N, 75°51'41.01"E																				
4	<b>If a Joint venture, the names &amp; addresses of the JV partners including their share.</b>	Land is proposed for area development project (Scheme No. 139) as per Indore Development Plan - 2021 Indore Madhya Pradesh Public Semi Public (P.S.P.) use.																				
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6	<b>Cost of the project</b>	Rs. 21314 Lakhs																				
7	<b>Whether the project is in Critically Polluted area.</b>	No																				
8	<b>If the project is for EC under EIA Notification, 2006</b>	Yes																				

	<b>a) For the first time appraisal by EAC</b>	Yes
	<b>(i) Date of ToR:</b>	(iv) Applied for ToR
	<b>(ii) Date of Public Hearing, location</b>	(v) N.A.
	<b>(iii) Major issues raised during PH and response of PP</b>	(vi) N.A.
	<b>b) Second appraisal</b>	NO
	<b>(i) Date of first /earlier appraisal</b>	
	<b>(ii) Details of the information sought by the EAC with the response of the PP.</b>	
9	<b>If the project involves diversion of forest land</b>	NO
	<b>(i) extend of the forest land</b>	--
	<b>(ii) status of forest clearance.</b>	--
10	<b>If the project falls within 10 km of eco-sensitive area</b>	No Eco Sensitive Zone falls under 10 Km. radius of the project.
	<b>(i) Name of eco- sensitive area and distance from the project site,</b>	---
	<b>(ii) status of clearance from National Board for wild life</b>	---
11	<b>Waste Management</b>	<b>(ii) Approx. 10727 KLD Water requirement. Source: Indore Municipal Water supply</b>
	<b>(i) Water requirement, source, status of clearance</b>	
	<b>(ii) Waste water quantity, treatment capacity, detail</b>	(ii) Total Waste Water Generation: 7460 KLD. Treatment capacity: 8 MLD STP.
	<b>(iii) Recycling / reuse of treated water and disposal</b>	Recycled water will be used for landscaping and miscellaneous purpose.
	<b>(iv) Solid Waste Management</b>	Details are given below:

**SOLID WASTE QUANTIFICATIONS**

<b>Facilities Provided</b>	<b>Waste Generation Norms</b>		<b>Basis of Assumption</b>	<b>Unit</b>	
Residential	0.4	Kg/capita/day	CPCB	38496	Persons
Commercial	0.35	Kg/capita/day	CPCB	91798	Persons
Garden & Open Space	0.003	Kg/Sq m/day	Discussion with Horticulturist	57620	Sq.m
STP Sludge	0.33	Kg/MLD of wastewater treated	Manual for Sewerage and sewage treatment	7.46	MLD

			by CPHEEO		
Used/Waste Oil	100	Liters/MW/year	Assuming one maintenance per year	114.8	MW
<b>Total Waste Generated (TPD)</b>					
<b>Total Biodegradable 55 % of total (TPD)</b>					
<b>Total Non-Biodegradable 45 % of total (TPD)</b>					
	<b>(v) Hazardous Waste Management</b>	<p>The hazardous wastes along with other wastes in the project will be used oil from DG sets ( construction phase only) , which is classified as per The Hazardous Waste Category 5.1 as per The Hazardous Wastes (Management &amp; Handling) Rules, 2016.</p> <ul style="list-style-type: none"> <li>▪ Used oil from DG sets will be stored in HDPE drums in isolated covered facility. This used oil will be sold to authorized recyclers. Suitable care will be taken so that spills/leaks of used oil from storage are avoided.</li> </ul>			
12	<b>Other details</b>	(i) N.A.			
	<b>(i) Noise Modelling with noise control measures for airports</b>	--			
	<b>(ii) Details of water bodies, impact on drainage if any</b>	(ii) No water bodies passing through the project area			
	<b>(iii) Details of tree cutting</b>	<b>No trees have been proposed to be cut in the project area.</b>			
	<b>(iv) Energy conservation measures with estimated saving</b>	The project planning is under process all standards measures will be taken for the energy conservation.			
	<b>(v) Green belt development (20 % of construction projects and 33 % for others)</b>	Area under Landscaping = 50000 Sq.mt. Additional Green Area = All individual plots having their own green area as per the standard norms.			
	<b>(vi) Parking requirement with provision made</b>	For plotted development, the parking shall be within the plots by plot owners. <b>Parking Area Provided by IDA for Scheme No. 139 as per T &amp; CP = 7620 Sq.mt.</b> <b>In this area mechanized parking will be proposed by IDA.</b>			
13	<b>If the project involves foreshore facilities</b>	N.A.			
	<b>(i) Shoreline study</b>				
	<b>(ii) Dredging details, disposal of dredge material</b>				
	<b>(iii) Reclamation</b>				
	<b>(iv) Cargo handling with dust control measures</b>				
	<b>(v) Oil Spill Contingent Management Plan</b>				
14	<b>If the project involves Marine disposal</b>	N.A.			
	<b>(i) NOC from PCB in case of</b>				



	<p>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:</p>																											
15	<p><b>Other information</b> (i) Investment/Cost of the project</p>	Rs. 213.14 Crore																										
	<p>(ii) Employment potential</p>	200 Nos. (Approx.)																										
	<p>(iii) Benefits of the project</p>	<p>The Area Development Project to be developed by M/s Indore Development Authority. The project is being designed to be a self-sufficient which offers amenities that exhibit a modern lifestyle at par with international standards.</p> <table border="1"> <thead> <tr> <th colspan="2">Scheme 139 Residential/Commercial Area Development I</th> </tr> <tr> <th>S. No.</th> <th>Amenities</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Facilities of Daily Needs.</td> </tr> <tr> <td>2.</td> <td>Bank, ATM.</td> </tr> <tr> <td>3.</td> <td>Public Toilet.</td> </tr> <tr> <td>4.</td> <td>Police Station.</td> </tr> <tr> <td>5.</td> <td>Parking Facility</td> </tr> <tr> <td>6.</td> <td>Underground Sewage System.</td> </tr> <tr> <td>7.</td> <td>Common Sewage Treatment Plant.</td> </tr> <tr> <td>8.</td> <td>Fire Station.</td> </tr> <tr> <td>9.</td> <td>Over Head Tank.</td> </tr> <tr> <td>10.</td> <td>Electrification.</td> </tr> <tr> <td>11.</td> <td>Solid Waste Management Site.</td> </tr> </tbody> </table>	Scheme 139 Residential/Commercial Area Development I		S. No.	Amenities	1.	Facilities of Daily Needs.	2.	Bank, ATM.	3.	Public Toilet.	4.	Police Station.	5.	Parking Facility	6.	Underground Sewage System.	7.	Common Sewage Treatment Plant.	8.	Fire Station.	9.	Over Head Tank.	10.	Electrification.	11.	Solid Waste Management Site.
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16	<p>Date of Ground water clearance:</p>	N.A.																										
17	<p>Cost of proposed EMP and CSR (with detailed components &amp; proposed activities) with capitol cost and recurring cost.</p>	<p>It is an area development project of Indore Development Authority and CSR will be decided as per the IDA (Govt. of M.P.) norms. All EMP cost estimation is under process and it will be submitted with the EIA presentation.</p>																										
18	<p>Numbers of plantation with name of species proposed &amp; area allocated for plantation with budgetary provisions.</p>	<p>Total green area measures 50,000 m<sup>2</sup> of the plot area which will be in the form of Herbs &amp; Shrubs, Avenue plantation , Shelter belt and water body within the project. Trees like <i>Azadirachta indica</i>, <i>Delonix regia</i>, <i>Jacaranda mimosifolia</i>, etc. and flowering and ornamental plants have been proposed to be planted inside the premises. No. of proposed trees &amp; budgetary provision for the same will be</p>																										

		submitted with the EIA report. The following table indicates the list of trees to be planted within the project.
19	Any river/Nallha flowing near or adjacent to the proposed project. If yes, please give details.	Saraswati river is passing through the project area. <b>Yeshwant Sagar</b> -16.3 Km, WNW from the project site

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

1. Commitment from the PP that: no R & R is involved in this project & no construction activity has been carried-out.
2. Quantification of MSW.

PP has submitted the reply on dated 25/10/2018 which was placed before the committee 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 Area Development Project of Scheme No. - 139A, Plot Area – 10,44,340 m<sup>2</sup> Planned Area – 5,76,120 m<sup>2</sup>, at Village - Sukhliya, Kumedi, Narval, Bhawrasala, Tehsil - Indore, Dist. Indore, (M.P.) Cat. - 8(b) Township and Area Development Projects.

**(A) PRE-CONSTRUCTION PHASE**

1. During construction and demolition of old structures, the entire area should be covered with minimum 12 feet MS sheets and due care should be taken for noise and vibration control during construction & demolition work. Curtaining of site should also be carried out to protect nearby habitat.
2. For dust suppression measures such as regular sprinkling of water should be undertaken.
3. PP will obtain other necessary clearances/NOC from respective authorities.
4. Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.
5. Topsoil (approx. upper 30 cm) will be removed prior to commencement of bulk earthwork and preserved onsite for reuse in landscape development within the project area.
6. As proposed, the cut and fill plan should ensure that all the excavated earth material will be utilized within the project boundary for filling purpose during construction and no soil/muck shall be disposed of outside the project area.
7. Minimum clearance of vegetation shall be carried out and the vegetative cover shall be redeveloped wherever possible.

8. For dust mitigation measures following measures shall be adopted:
  - Roads leading to or at construction sites must be paved and blacktopped (i.e. metallic roads).
  - No excavation of soil shall be carried out without adequate dust mitigation measures in place (such as water sprinklers) and dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.
  - No loose soil or sand or Construction & Demolition Waste or any other construction material that causes dust shall be left uncovered.
  - Wind-breaker of appropriate height considering the quantum of construction work (minimum 03 meters) shall be provided.
  - Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste is prohibited.
  - No uncovered vehicles carrying construction material and waste shall be permitted.
  - Construction and Demolition Waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site.
9. The natural drainage system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems are allowed for maintaining the drainage pattern and to harvest rain water. Buildings shall be designed to follow the natural topography as much as possible for which minimum cutting and filling should be done.
10. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed within the project boundary taking the necessary precautions for general safety and health aspects of people.
11. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals from the MP Pollution Control Board.

**(B) CONSTRUCTION PHASE**

12. Use of environment friendly materials in bricks, blocks and other construction materials, shall be used in the construction as per the provision laid down in Fly Ash Notification of September, 1999 and amended as on 27<sup>th</sup> August, 2003 and 25<sup>th</sup> January, 2016.
13. During construction phase, a settling tank should be provided before final discharge of the effluent.
14. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to the standards prescribed for air and noise emissions under E(P) Act, 1986.

15. PPE's such as helmet, ear muffs etc should be provide to all the workers.
16. Fire extinguishers should be provided on site during construction period.
17. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
18. 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.
19. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP 96,110 sq.m. land is earmarked for dedicated green belt development.
20. The proposed land use of the project is as follows:

<b>Area Statement</b>	<b>Area in Hect.</b>
Total Land Area	104.434
Area of Exempted Land	002.901
Net Land Area 104.434 – 2.901	101.533
Area of Existing Slum	004.842
Green Belt in Major Road	001.900
Area of master plan roads	032.465
Area of railway line	003.005
Area of nalla	001.537
Area of bus stand	001.172
(101.533 – 43.921 Hect.)	57.612
Area of future planning area	12.484
Area of Pot Area (Super Corridor)	21.867
Area of Residential Plot	00.990
Area of Police Station	00.720
Area of Fire Station	00.416
Area of Park Parking	05.762
Area of Roads	13.911
Area of M.P.E.B. Gride	01.269
Area of Petrol Pump	00.193

21. MSW storage area should have 48 hours storage capacity and MSW should be disposed off at a designated place in consultation with the local authority.
22. Strom water drainage system shall be pervaded.
23. Provision for physically challenged persons is made so that they easily excess pathway/derive way for their vehicles.
24. For better traffic management optimum numbers of roads in the outskirts and within the city area should be provided. Since this project will attract huge inflow & outflow of

traffic and to avoid traffic congestion flyovers at Jawahar chowk, Roshanpura and Mata Mandir traffic junctions shall be provided.

25. Provisions shall be made for Multi level car parking; Basement parking and Podium parking in an area of 5850 sq.meter. PP shall also explore the possibility of Mechanized parking.
26. Smart street lighting with solar street lights shall be provided.
27. 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.
28. Dual pipe plumbing system shall be provided for supplying fresh water (for drinking cooking and bathing etc) and recycled water for flushing, landscape irrigation etc..
29. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the all building plan.
30. The local bye-law provisions on rain water harvesting should be followed and incase of ground water abstraction approval shall be taken from the CGWA.
31. Presently there are 6080 Trees and shrubs as per the tree survey conducted within the project site out of which some of the existing trees would be either protected or transplanted within the ABD area and other trees shall be cut and compensatory trees shall be planted. Thus prior tree cutting, permission of competent authority must be obtained and compensatory plantation shall carry out as per the approval of competent authority.

**(C) POST CONSTRUCTION/OPERATIONAL PHASE**

32. Fresh water requirement for the project shall not exceed 10.73 MLD.
33. For sewage and waste water treatment CSTP with total capacity of 245 MLD shall be use.
34. Suitable number of road sweeping machines (minimum 10) shall be provided.
35. Proper fire fighting arrangements in consultation with the fire department should be provided.
36. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
37. Complete automation using SCADA system (Supervisory Control & Data Acquisition) and active leakage control and detection system should be installed.
38. All building lighting will be designed as per Energy Conservation Building Code (ECBC ) norms.
39. Sludge from the onsite sewage treatment, including septic tanks, shall be collected and disposed off as per the prevailing laws/rules,

40. As proposed in order to meet the standby power from the solar energy and sizing of solar water heating systems, 12% of total power shall be generated through roof top solar.

**(D) ENTIRE LIFE OF THE PROJECT**

41. PP has proposed. 213.74 Crore for EMP.
42. The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016 and Solid Waste Management Rules, 2016 etc.
43. 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.

**3. Case No. - 5654/2018 Shri Shreelal Aanjana, S/o Shri Jorji Aanjana, R/o Aanjana Complex, Tagore Marg, Tehsil & District - Neemuch, MP Prior Environment Clearance for Laterite Mine in an area of 10.0 Ha. (50,000 MTPA) at Khasra no.-12/1, Village- Soniyana, Tehsil - Neemuch, Dist. Neemuch (MP) (EIA Consultant- Apex Mintech Consultants).**

This case is for Prior Environment Clearance for Laterite Mine in an area of 10.0 Ha. (50,000 MTPA) at Khasra no.-12/1, Village- Soniyana, Tehsil - Neemuch, Dist. Neemuch (MP).

PP has submitted EIA report vide letter dated 25/10/2017 which was forwarded by the SEIAA vide letter no. 1809 dated 28/02/2018. This case was again scheduled for EIA Presentation in the 312<sup>th</sup> SEAC meeting dated 17/04/2018 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 310<sup>th</sup> SEAC meeting dated 24/03/2018. 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.

This case was again scheduled in 315<sup>th</sup> SEAC meeting dated 18/06/2018, wherein PP and consultant were present. During discussion and perusals of the documents it was observed by the committee that the TOR to this project was issued by the MoEF & CC, vide its letter No. J-11015/340/2012-I A.II (M), dated- 23.01.2015 and in the TOR it is mentioned that it is a

case of violation of EIA Notification, 2006 as PP has already started mining activities by breaking 3.00 ha area and obtained production without obtaining the prior environmental clearance. Maximum production was obtained in the year 2010.

Committee considering the recent GoI, MoEF & CC Notification dated 8<sup>th</sup> 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 08<sup>th</sup> March 2018 along with TOR & standard TOR prescribed by the MoEF&CC vide letter dated 14<sup>th</sup> May, 2015 under following specific conditions for conducting the EIA along with following additional TOR's and as per Annexure-D:-

1. Inventory of operating / proposed mines within 2 Km around the said mine.
2. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
3. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
4. Hydro geological studies should be carried out and be discussed in the EIA report.
5. Detailed plantation scheme with budgetary allocations be provided in the EIA report.
6. Mine water management plan be provided in the EIA report.
7. Land use plan should be plotted on the map.
8. Assessment of Ecological damage by this project and its Remediation Plan should be discussed in the EIA report.
9. Natural and community resource augmentation plan should be discussed in the EIA report.
10. Year wise quantity of production carried out till date, quantity of product sold with its market value and royalty paid.

The EIA was presented by the PP and their consultant, during presentation PP has submitted the following details of this mine:

**Environment Setting**

Locations	
Village	Soniyana
Tehsil	Neemuch
District	Neemuch
State	MP
Nearest National/State Highway	SH – 31 @ distance of 10.00 km
Nearest Railway station	Neemuch @ distance of 8.00 km
Nearest Air port	Udaipur @ distance of 99.00 kms
Nearest Mobile telephone connectivity	Available
Nearest Tourist Place	None in 10 km radius
Archaeological Important Place	None in 10 km radius
Ecological Sensitive Areas (Wild Life Sanctuaries)	None in 10 km radius
Nearest major city	Neemuch
Nearest Town	Neemuch
Physiography	flat-topped mound sloping
Elevation (AMSL)	504-498 AMSL
Slope	flat-topped

**Salient feature of the lease area**

<b>Particulars</b>	<b>Details</b>
Type of Mine	Open Cast
Mining Lease area	10.00 Ha.
Existing Pits & Quarries	3.0256 Ha.
Existing Dumps	0.0 Ha.
Infrastructure and road	0.2352 Ha.
Plantation	0.0225 Ha.
Total Geological Reserve	717715 Tonne
Total Movable Reserves	717715 Tonne
Method of Mining	Open cast
Existing Depth of Pit	1 .00 meter
Expected Life of Mines	14 years
Stripping Ratio	1:0
Existing mode of transportation	Roads
Area to be covered under dumps in conceptual period	0.0 Ha.
Area covered under pit in conceptual period	8.9725 Ha.
Area to be rehabilitated by afforestation in conceptual period	1.0050 Ha. in 7.5 meter Barrier
Area to be covered under water reservoir	0.0
Monsoon Period	25 bgl (470 AMSL)



Dry	30 bgl (465 AMSL)
Production per day (Tonne)	167 Tonnes
Truck per day (24 T)	7 Trip
Supply location	Cement Plant

### **Method of Mining**

Mineral Laterite is soft in nature. The mining is carried out by semi-mechanized opencast method by deploying excavators/ tippers/trucks, air compressors and jack hammer drills. Laterite is excavated by forming 4.0m height benches.

The topography, occurrence of mineral from surface downwards justify the basis adopt mechanized opencast mining utilizing hydraulic shovels, tippers, tractor mounted air compressor and jack hammer drills etc. The mineral will be loaded directly in consumer's trucks. There is no mineral waste as entire produce will be sold.

### **Proposed Plantation Programme:**

Year	Green belt on statutory boundary		Outside the lease area		Total		Budgetary allocation of funds (In Rupees)
	Area (hect.)	Trees	Area (hect.)	Trees	Area (hect.)	Trees	
Existing	0.0225	22	-	-	0.0225	22	4400
1 <sup>st</sup> year	0.2010	201	0.4545	455	0.6555	656	147600
2 <sup>nd</sup> year	0.2010	201	0.4545	455	0.6555	656	164000
3 <sup>rd</sup> year	0.2010	201	0.4545	455	0.6555	656	180400
4 <sup>th</sup> year	0.2010	201	0.4545	455	0.6555	656	196800
5 <sup>th</sup> year	0.2010	201	0.4545	455	0.6555	656	213200
<b>Total</b>	<b>1.0275</b>	<b>1027</b>	<b>2.2725</b>	<b>2275</b>	<b>3.3</b>	<b>3302</b>	<b>906400</b>

### **Environment Management Plan**

S. No.	Particulars	Annual Cost (Rs.)
1.	Preparation & Maintenance of Catch drains, Garland Drains and Siltation Pond	25,000
2.	<b>Expenditure on dust suppression</b>	
	Overhead Sprinkling & Water Tanker & its maintenance (Share)	50,000

3.	<b>Plantation program</b>	
A	Plantation	1,25,000
4.	Medical examination (initial and periodical) of employees (15 labours)	50,000
5.	Personal Protective Equipments for workers	50,000
6.	Widening of Kaccha Road & maintenance (approx 1 km)	1,00,000
	<b>Total</b>	<b>4,00,000</b>
	<b>Monitoring cost</b>	55,000
	<b>Total EMP cost</b>	<b>4,55,000</b>

**Proposed expenditure for welfare of workmen employed at the mine**

<b>S.No.</b>	<b>Particulars</b>	<b>Annual expenditure in Rs.</b>
1.	Medical aid facilities/ Cost of Vehicles for transporting injured.	25,000
2.	Food, snacks, tea and drinking water.	50,000
	<b>Grand Total</b>	<b>75,000</b>

**Statutory expenditure for safety, health and skill familiarization of employees**

<b>S. No.</b>	<b>Particulars</b>	<b>Annual expenditure in Rs.</b>
1.	Personal protective equipments like dust mask, helmets, safety shoes, goggles, hand gloves ear plugs.	30,000
2.	Maintaining Vocational Training Centre*	10,000
3.	Medical examination (initial and periodical) of employees*	30,000
	<b>Total</b>	<b>70,000</b>

**Community Social Responsibility**

<b>S. No.</b>	<b>Proposed activity</b>	<b>Annual recurring expenses in Rs.</b>
1.	Making drinking water available to the nearby villages	30,000
2.	Making a computer available to the school	15,000
3.	Financial aid to village school for strengthening school camps.	20,000
	<b>Total</b>	<b>65,000</b>

As discussed earlier that the TOR to this project was issued by the MoEF & CC, vide its letter No. J-11015/340/2012-I A.II (M), dated- 23.01.2015 and in the TOR it is mentioned that it is a case of violation of EIA Notification, 2006 as PP has already started mining activities by

breaking 3.00 ha area and obtained production without obtaining the prior environmental clearance. Maximum production was obtained in the year 2010. It being the case of violation, following were also discussed by the committee:

1. Assessment of Ecological damage by this project and its Remediation Plan.
2. Natural and community resource augmentation plan.

During discussion, it was submitted by PP that 2,89,978 MT of laterite was mined out without EC since 2005 to 2011 which constitutes violation as per MO letter No. 1653 dated 22/11/2017. PP submitted that for this violation, a case has been filed by the MP Pollution control Board under E (P) Act, 1986 and same is under consideration in court of law. PP further submitted that since it has been brought in to the knowledge that mining without EC is a violation they have completely stopped the production and applied for the same and the mistake done by them will not be repeated in future. As per the plan submitted by PP, Rs.1.95 lacks was proposed for the remediation and resource augmentation plan. However, after details discussion certain amendments were suggested by the committee and following remediation and resource augmentation plan with cost is recommended by the committee:

S. No.	Environmental Attributes	Cost that would have been incurred, had the Environmental Clearance been obtained	Cost (in Rs.) already incurred by the PP even in the absence of EC	The additional amount (in Rs.) which the PP would have been required to spend as remedial measures.
1	Land use	Land degradation is inevitable. 3.0256 Hectare of land was degraded	No additional damage was caused in absence of EC	Nil
2	Fertile Top Soil	Under EC condition the topsoil would have been used for plantation work	On the basis of 10 cross section soil samples, we found only 40% top soil were fertile inside lease area, and being used for plantation purpose; 1.21024 Ha.(total broken up area 3.0256 Ha.) @7 cm 847 cu. m. which were used for the plantation purpose.	Nil
3	Air	Cost on Dust Suppression and Installation of overhead sprinkling system - 1,00,000 & and	Actual Cost incurred on Dust suppression- Rs.2,00,000/-	Rs.2,50,000/-

		recurring cost 50,000 per year) - Rs.4,50,000/-		
4	Health and Safety of Mine Workers	a) Medical Checkup- Rs.1,75,000/- (Rs. 25,000 per year for 15 workers) b) Expenditure on Monitoring- Rs.1,75,000/- (Rs. 25,000 per year)	a) Medical Checkup Nil b) Expenditure on Monitoring – Nil	a) Rs.1,75,000/- b) Rs.1,75,000/-
5	Plantation	As per EC Condition priority would have been given to undertake plantation over the boundary barriers & outside the lease area Cost that would have been incurred – 1000 X 250 = Rs.2,50,000/-	Actually, in the absence of EC the broken up land was 3.0256 Ha. and PP was imposed to do plantation over an area 0.99 Ha. say 1.00 Ha. (one third of the area). PP was planted only 22 samplings (at present) @ 250 = 5,500/-	Rs.2,44,500/-
6	Water	Expenditure likely to be incurred on construction & strengthen of Garland drains, catch drains and Siltation pond & Proper channelization of natural first order nallahs would have conserved more rain water- Rs.2,25,000/- (Capital cost Rs. 50,000/- & Rs. 25,000/- recurring cost)	Cost actually incurred on construction of Garland drains, catch drains and Filtration pond & proper channelization of rain water but, some rainwater was lost. – Rs.50,000/-	Extra capital cost incurred for the purpose of harvest rain water, strengthen & maintenance of catch drain, garland drain & siltation pond will be of Rs.1,75,000/-
7	Noise	Cost likely to be incurred on the maintenance of the machinery and providing Personal Protective Equipments – Rs.1,20,000/-	Cost actually incurred on the maintenance of the machinery and provided personal protective equipments - Rs.1,20,000/-	Nil
8	Road Strengthen	Strengthen of existing Kaccha road which was being use for transportation of mineral - Rs. 1,00,000/-	No expenditure was incurred in the strengthen of existing of Kaccha Road	Rs. 1,00,000/-
<b>Grand Total</b>				<b>Rs. 11,19,500/-</b>

Additionally, PP has proposed Rs.65,000/- for CSR and Rs. 75,000/- for labour welfare in EMP. After detailed discussion and presentation PP was asked to submit:

1. Revised remediation and resource augmentation plan as suggested by the committee during presentation.
2. Revised EMP as suggested by the committee during presentation.
3. An under taking stating that:
  - a) That the mine is not in operation closed since year 2011.
  - b) That during the period 2005 to 2011, mining operations was carried out without obtaining Environmental Clearance.
  - c) That in the course of mining during the period 2005 to 2011 no trees was felled by the Project Proponent.
  - d) That the top soil removed in the course of mining during 2005 to 2011 was used for plantation purpose.
  - e) That there were no external dumps in the area. A copy of the approved surface plan and photographs of the sites shall be provided.
  - f) That in the course of mining, the project proponent properly channelized the rain water by forming garland drains & catch pits etc.
  - g) That a medical camp was organized at the nearest village for assessing the status of health of the mine employees and local resident of mining project. Copy of medical checkup report shall be provided.
  - h) That no accidents, either minor or major, took place in the course of mining during the period of 2005 to 2011.
  - i) That 1 Km stretch of road connecting the mine to the main road is mostly used by the PP for transpiration of mineral. In future, the said road will be properly maintained and both side plantations will also be carried out by the PP.

PP has submitted the reply vide letter dated 25/10/2018 which was placed before the committee. Committee after considering the reply recommends that PP may be asked to deposit the bank gurantee (BG) of Rs.12,59,500/- (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board after approval of the SEIAA as per the procedure laid down in the MoEF&CC Notification dated 08/03/2018.

The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Laterite Mine in an area of 10.0 Ha. (50,000 MTPA) at Khasra no.-12/1, Village-

Soniyana, Tehsil - Neemuch, Dist. Neemuch (MP) subject to the following special conditions and after the submission of bank gurantee of Rs. 12,59,500/- to MP Pollution control Board:

**(A) PRE-MINING PHASE**

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. PP will obtain other necessary clearances/NOC from respective authorities.

**(B) MINING OPERATIONAL PHASE**

8. PP shall use the rock breakers for the mining pruposes and no drilling and blasting shall be deployed.
9. Reatining wall along with drain shall be provided all around the down side of the hillock with atleast 1 mtrs height.
10. PP shall carry out slope stability study onec in year and report shall be submitted MP, SEIAA/ SEAC.
11. PP shall contract a pucca road for transportation of material.
12. Provision of solar pumps shall be made for various pruposes during mining operation.
13. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
14. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 3302 no's of trees will be planted along and within the ML.
15. Transportation of material shall be done in covered vehicles.

16. Transportation of minerals shall not be carried out through forest area.
17. The OB as murum shall be utilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
18. No water shall be discharged out side the mine and “Zero Liquid Discharge” should be maintained.
19. Details of proposed garland drain an dsiltation pond.

<b>Details of Garland Drain, Catch Drain and Siltation Pond:</b>	
<u>Garland Drain &amp; Catch Drain</u>	<u>No. of Siltation Pond</u>
2 Garland Drains surrounding the lease area. 1. Garland Drain 361.55m. (Length) in the West Direction of the lease area. 2. Garland Drain 580m. (Length) in the NE & E Direction of the lease area.	4 Siltation Ponds. (Size of 1 Siltation pond is 6x5x3 m.)
1 Catch Drain surrounding the pit area. 459m. (Length)	

20. Water sprinkling through tankers should be provided on 500 meter long and 06 meter wide haul road. However, regular water spraying should also be practiced on 70 meters long and width 06 meters wide transport road for dust suppression.
21. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
22. The existing and proposed land use plan of the mine is as follows:

S. No.	Details	Area put on use at start of scheme (In Ha.)	Additional requirement during scheme period (In Ha.)	Total end of Scheme period (In Ha.)	End of life of the mine (In Ha.)
A	B	C	D	E	F
1	Area under mining	3.0256	2.6404	5.666	8.9725
2	Storage for top soil	0.0	0.0	0.0	0.0
3	Overburden/ waste dump	0.0	0.0	0.0	0.0
4	Mineral Storage	0.0	0.0	0.0	0.0

5	Infrastructure (Workshop, administrative building etc.)	0.0030	0.0	0.0030	0.0
6	Roads	0.2322	-0.0175	0.2147	0.0
7	Railways	0.0	0.0	0.0	0.0
8	Green Belt	0.0225	0.1000	1.0275	1.0275
9	Plantation outside the lease area*	0.0	2.2725*	2.2725*	2.2725*
10	Tailing Pond	0.0	0.0	0.0	0.0
11	Effluent Treatment Plant	0.0	0.0	0.0	0.0
12	Mineral Separation Plant	0.0	0.0	0.0	0.0
13	Township Area	0.0	0.0	0.0	0.0
14	Other to specify i.e. Kachha Rasta	0.0	0.0	0.0	0.0
15	Total land put in used	3.2833	2.7229	6.0062	0.0
16	Remaining area	6.7167	0.0	3.9938	0.0
Grand Total		10.00	0.0	10.00	10.00

23. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
24. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
25. The commitments made in the public hearing are to be fulfilled by the PP.
26. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
27. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

**(C) ENTIRE LIFE OF THE PROJECT**

28. The proposed EMP cost is Rs. 4.55 lacks and Rs. 10.75 lacks /year are proposed as recurring expenses and under CSR, Rs. 65,000 /year is proposed.



29. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented 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.
30. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
31. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
32. PP will comply with all the commitments made vide letter dated 25.10.2018.
33. 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.

**4. Case No. - 5655/2018 Shri Puran Mal Aanjana, S/o Shri Ram Lal Aanjana, R/o Aanjana Complex, Tagore Marg, Tehsil & District - Neemuch, MP Prior Environment Clearance for Laterite Mine in an area of 10.0 Ha. (50,000 MTPA) at Khasra no.-12/1, Village- Soniyana, Tehsil - Neemuch, Dist. Neemuch (MP).**

Prior Environment Clearance for Laterite Mine in an area of 10.0 Ha (50,000 MTPA) at Khasra no.-12/1, Village- Soniyana, Tehsil - Neemuch, Dist. Neemuch (MP)

PP has submitted EIA report which was forwarded by the SEIAA vide letter no. 1811 dated 28/02/2018.

This case was again scheduled for EIA Presentation in the 312<sup>th</sup> SEAC meeting dated 17/04/2018 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 310<sup>th</sup> SEAC meeting dated 24/03/2018. 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.

This case was scheduled 315<sup>th</sup> SEAC meeting dated 18/06/2018, as PP vide letter no.- PMA/17-18/25 dated 04/05/2018 has requested for extension in validity of TOR for one year as a delay has been caused in the process of obtaining NOC from Tehsildar as a result of which the validity of TOR has expired. The committee observed that the TOR was issued by MoEF & CC on dated 23/01/2015 its validity was up to 22/01/2018 and as per MoEF&CC OM No. J-11013/41/2006-IA-II (I) (Part) dated 08/10/2014 it can be further extended for one year by regulatory authority.

The case was presented by the PP and their consultant wherein PP informed that there is no change in the location and capacity of the project and thus their TOR may be extended for one year. The Committee recommends that since PP has applied for the TOR validity extension on dated 04/05/2018, the TOR's validity can be further extended for one more year with validity up to 21/01/2019 as per MoEF&CC OM No. J-11013/41/2006-IA-II (I) (Part) dated 08/10/2014.

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.

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8<sup>th</sup> 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.

Committee recommended to issue additional TOR as per notification dated 08<sup>th</sup> 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, SO<sub>2</sub>, NO<sub>x</sub> & 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.
5. **Case No. - 5749/2018 M/s Fortune Builders, 157, Zone-1, M. P. Nagar, Bhopal, (M.P.) – 462001. Prior Environment Clearance for Construction of Group Housing Project "Fortune Kasturi" (Total Project Area = 21120 sqm., Total Built up Area = 38370.4 sqm) Khasra No. – 8/1/13/K, 8/2/1/1, 11/1/2, at Village - Jatkhedi, Tehsil - Huzur & Dist. Bhopal, (M.P.) Category: 8(a) Building & Construction Project. ENV Developmental Assistance Systems Pvt. Ltd, Lucknow**

This is case of Prior Environment Clearance for Proposed Construction of Group Housing Project "Fortune Kasturi" (Total Project Area = 21120 sqm., Total Built up Area = 38370.4 sqm) Khasra No. – 8/1/13/K, 8/2/1/1, 11/1/2, at Village - Jatkhedi, Tehsil - Huzur & Dist. Bhopal, (M.P.) (Total Project Area = 21120 sqm., Total Built up Area = 38370.4 sqm) Cat. 8(a) Building and Construction Projects. 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.

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

**Construction Status:** The project is a case of violation on account of not securing prior environment clearance before starting the construction activities at site. The construction work was started at site and approximately 88% of construction work was completed before the application was submitted to MPSEIAA for grant of prior environmental clearance.

Type of dwelling units	Units proposed (Total 410)	Possession Given	Units incomplete	Units completed	Percentage
Flats	361	100	49	361	88%
LIG/EWS	42				
Commercial	7				

**Site Details:**

S. No	Items	Details
1.	<b>Type of Building</b>	Residential
2.	<b>Total Plot Area</b>	21,120 m <sup>2</sup>
3.	<b>Area of land under 24 m wide road</b>	2834.27 m <sup>2</sup>
4.	<b>Net Plot Area</b>	18285.73 m <sup>2</sup>
5.	<b>Total Ground Coverage</b>	Permission Ground Coverage= 30% of 18285.73 m <sup>2</sup> = 5485.72 m <sup>2</sup> <b>Proposed = 5449.47 m<sup>2</sup> (29.8%)</b>
6.	<b>FAR</b>	Permissible FAR @1.25 = 29942.84 m <sup>2</sup> (Additional FAR of area under 24 m wide road ) <b>Proposed FAR = 29942.84 m<sup>2</sup></b>
7.	<b>Total (Non- FAR area)</b> (Basement and other services)	Basement : 480 m <sup>2</sup> Stilt Area: 4564.72 m <sup>2</sup> Other Services: 182.85 m <sup>2</sup> LIG = 2994.28 m <sup>2</sup> Informal Sector = 685.71 m <sup>2</sup> <b>Total: 8907.56 m<sup>2</sup></b>
8.	<b>Built up area</b>	<b>33805.69 m<sup>2</sup></b> (FAR + Non FAR)
9.	<b>Dwelling units</b>	<b>Flats : 361 Units</b> <b>EWS/LIG: 42 Units</b> <b>Commercial : 7</b>
10.	Road and internal circulation space/	10093.26 m <sup>2</sup> (55.2% of net plot area)

	paved area	
11.	Landscape	2743 m <sup>2</sup> (15% of net plot area)
12.	No. of Trees	Total no. of trees required: 1 Tree/ 80 m <sup>2</sup> of Open Area = (Total Planning Area-Ground Coverage)/80 = 15542.88/80 =194.28 = <b>194 Trees</b> <b>Proposed: 700 Plants (647 Already planted)</b>
13.	Number of floors & basements	(S+6) Floors,
14.	Parking facilities	<b>Required</b> Total parking required = 299 Vehicle Space (@ 100 sqm FAR) Visitor's Parking (10% of residential parking): 30 Vehicle space Total : 329 Vehicle space <b>Provided - 330 Vehicle Space</b> Four wheeler in stilt parking @ 30 m <sup>2</sup> per Vehicle Space= 4564 m <sup>2</sup> / 30 m <sup>2</sup> = 152 Vehicle Space Four wheeler in open parking space @ 25 m <sup>2</sup> per Vehicle Space= 4450 m <sup>2</sup> / 25 m <sup>2</sup> = 178 Vehicle Space
15.	Power requirement & source	1640 kVA Source : Madhya Pradesh KshetraVidyutVitran Company Limited
16.	<b>Power Backup</b>	1 DG sets of 150 kVA
17.	<b>Water Requirement and Source</b>	<b>Total water requirement: 194 KLD</b> (Fresh water : 134 KLD, Recycled water: 60 KLD) <b>Source: Ground water</b>
18.	<b>Estimated Population (fixed + floating)</b>	Residential including LIG: 2015 Visitors: 200 Staffs: 100
19.	<b>Height of the Building</b>	18 m + Stilt
20.	<b>Connectivity</b>	Bhopal city as well as the proposed project site has a perfect central connectivity to India's all metro cities and other important markets. The proposed site is located on east of NH-12 (Hoshangabad Road). Hanuman Nagar Jatkhedi Road is 480 m (S) from project site. The nearest railway station is Misrod Railway and Habibganj Railway Station which are at an aerial distance of 1 km (SW) and 6 km (North) from the project site respectively. The nearest airport is the Raja Bhoj International Airport, which is about 18 km (North) from the proposed site. Apart from this, State Road Transport bus services provide regular and frequent connectivity to the people to and from Bhopal. The project complex will have traffic entry/exit from the service road of 24 m & 12 m wide road.

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8<sup>th</sup> 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.

Committee recommended to issue additional TOR as per notification dated 08<sup>th</sup> 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, SO<sub>2</sub>, NO<sub>x</sub> & 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.

**6. Case No. - 5752/2018 M/s Fortune Soumya Housing, Fortune Soumya Santoza, Bagli, Behind C-21 Mall, Bhopal, (M.P.) – 462023. Prior Environment Clearance for Construction of Residential Project "Tulip Green" (Total Project Area = 87100 sqm., Built up Area = 25976.10 sqm) Khasra No. – 235, 240/1/1, 241, 236, 237, 239, 240/2, at Village - Mahabadia, Tehsil - Huzur & Dist. Bhopal, (M.P.) Category: 8(a) Building & Construction Project. ENV Developmental Assistance Systems Pvt. Ltd, Lucknow (U.P.).**

This is case of Prior Environment Clearance for Proposed Construction of Construction of Group Housing Project "Tulip Green" (Total Project Area = 87100 sqm., Built up Area = 25976.10 sqm) Khasra No. – 235, 240/1/1, 241, 236, 237, 239, 240/2, at Village - Mahabadia, Tehsil - Huzur & Dist. Bhopal, (M.P.) Cat. 8(a) Building and Construction Projects. 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.

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

**Construction Status:** The project is a case of violation on account of not securing prior environment clearance before starting the construction activities at site. The construction work was started at site and before the application was submitted to MPSEIAA for grant of prior environmental clearance.

Type of units	Units proposed	Units completed	Possession Given	Not yet started	Completion Percentage
Duplexes	241	90	50	151	40%
Plots	232	232	10	0	
EWS/LIG	84	0	0	84	

**Site Details:**

S. No	Items	Details
1.	Type of Building	Residential
2.	<b>Total Plot Area</b>	<b>87100m<sup>2</sup></b>
3.	Deductible area (Area of land under road)	3937.1 m <sup>2</sup>
4.	<b>Net Plot Area</b>	<b>83162.9 m<sup>2</sup></b>
5.	Area under Plotted Development	Residential: 46886.08 m <sup>2</sup> (56.37%) Convenient shops: 2177 m <sup>2</sup> (2.6%) Informal sectors/ LIG: 2079.07 m <sup>2</sup> (2.5%) <b>Total area: 51142.15 (61.5%)</b>
6.	Ground Coverage	Plotted Development Permissible Ground Coverage (30%) Proposed ground coverage = 14,065.82 m <sup>2</sup> <b>Convenient shops</b> Permissible Ground coverage =30% of 2177 m=653.1 m <sup>2</sup> <b>LIG</b> Proposed ground coverage=467.79m(22.4% of plot area) Total permissible Ground coverage: 24948.87m (30%) Total Proposed Ground Coverage: <b>15186.17 m<sup>2</sup>(18.26% of Net Plot Area)</b>
7.	<b>Built Up Area</b>	<b>25,976.10 m<sup>2</sup></b>
8.	Total open area	(Total plot area – Ground coverage) 67976.73 m <sup>2</sup> (81.74%)
9.	Road and internal circulation space/ Paved area	55781.7 m <sup>2</sup> (67.7% of net plot area)
10.	Landscape	12195 m <sup>2</sup> (14% of net plot area)
11.	No. of Trees	Total no. of trees required: 1 Tree/ 80 m <sup>2</sup> of Open Area = (Total Planning Area-Ground Coverage)/80 =67976.73/80= 850Trees Proposed No. of trees: 1635
12.	No of units to be developed	No. of plots: 196 No. of Duplexes : 275 LIG/EWS: 84 Tower:1
13.	Construction Status	The project consists of Plots and Duplexes. About 40% of construction work has already been done.
14.	Parking facilities	Individual parking for plots/duplexes



15.	Power requirement & source	2152.5 kVA Source : Madhya Pradesh KshetraVidyutVitrان Company Limited
16.	<b>Power Backup</b>	1 DG sets of 25 kVA
17.	<b>Water Requirement and Source</b>	Fresh water: 187 KLD Flushing water : 64 KLD Horticulture water: 60 KLD Recycled water: 134KLD Total water: 311KLD Source: Ground water, till municipal supply is available.
18.	Sewage Treatment and Disposal	Amount of waste water generated : 226 KLD STP Capacity: 300 KLD Technology: FAB
19.	Solid Waste Generated	Domestic waste : 1472 kg/day Horticultural waste : 45 kg/day E- waste : <1kg/day
20.	Estimated Population (fixed + floating)	Residential: 2785 Staff : 150(including staff at shops) Visitors: 275
21.	Connectivity	Bhopal city as well as the proposed project site has a perfect central connectivity to India's all metro cities and other important markets. The proposed site is adjacent to Kolar road and is 10 km from NH-12. Bhojpur road is 14 Km (E) from project site. Proposed masterplan ring road is 1.5 km from the project site. The nearest railway station is Mandideep Railway, Habibganj Railway and Misrod railway Stations which are at an aerial distance of 11.5 km (E) and 12.5 km (NE) and 8 Km (NE) from the project site respectively. The nearest airport is the Raja Bhoj International Airport, which is about 20.0 km (N) from the proposed site. Apart from this, State Road Transport bus services provide regular and frequent connectivity to the people to and from Bhopal.

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8<sup>th</sup> 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.

Committee recommended to issue additional TOR as per notification dated 08<sup>th</sup> 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, SO<sub>2</sub>, NO<sub>x</sub> & 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 Environment (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.

- 7. Case No. - 5756/2018 M/s Fortune Builders, Fortune House 157, Zone-1, MP Nagar Bhopal (M.P.)-462016. Prior Environment Clearance for Construction of Group Housing Project "Fortune Singnature" Khasra No. 147/7/1/KA, 147/7/1/KHA, 147/5/3, 95/1/KH2, 147/7/3, 147/7/4, 147/7/5, 147/9/KH, 147/9/KHA, 147/9/JHA, 147/9/1/1/1, 147/9/1/2, 147/9/1/1/8, 147/7/2. at Village Bawadia Kala, Tehsil Huzur, District Bhopal (M.P.). Total Project Area- 36,070 m2 (8.9 acres) Total Built up Area – 45,583.75 m2., Category: 8(a) Building & Construction Project. ENV Developmental Assistance Systems Pvt. Ltd, Lucknow (U.P.).**

This is case of Prior Environment Clearance for Proposed Construction of Construction of Group Housing Project "Fortune Singnature" Khasra No. 147/7/1/KA, 147/7/1/KHA, 147/5/3, 95/1/KH2, 147/7/3, 147/7/4, 147/7/5, 147/9/KH, 147/9/KHA, 147/9/JHA, 147/9/1/1/1, 147/9/1/2, 147/9/1/1/8, 147/7/2. at Village Bawadia Kala, Tehsil Huzur, District Bhopal (M.P.). Total Project Area- 36,070 m2 (8.9 Acres) Total Built up Area – 45,583.75 m2, Cat. 8(a) Building and Construction Projects. 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.

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

**Construction Status:** The project is a case of violation on account of not securing prior environment clearance before starting the construction activities at site. The construction work was started at site and approximately 75% of construction work was completed before the application was submitted to MPSEIAA for grant of prior environmental clearance.

**Site Details:**

Items	Details
Total Plot area	<b>36,070 sqmt</b> (8.9 acres)
Deductable Area (eg; area under road widening) if any	5,357 sqmt

Items	Details
Net Plot Area	<b>30,713sqmt</b>
Ground Coverage	Permissible: 9,213.9 sqmt (30%) Proposed: 9,213.9 sqmt (30%)
FAR (a)	Permissible: 38,391.25 sqmt (@ 1.25) Compensatory FAR: 13,392.5 sqmt (5357 x 2.5) Total Permissible FAR: 51,783.75 sqmt Proposed Residential FAR: 45,383.75 sqmt
Service Area (b)	200 sqmt
Total Stilt Area (d)	7618 sqmt
Area for LIG/Informal Sector (e)	691.04 sqmt
<b>Total Built up area</b>	<b>45,583.75 sqmt (a + b)</b>
Total open area	21,499.1 sqmt
Green Area	Required: 3,071.3 sqmt (10% of plot area) Proposed: 6,227 sqmt (20.27% of plot area)
No. of Trees (Required-1 Tree/80 sqm of open area)	Required: 268 Trees <b>Provided: 532 Trees</b>
Total Dwelling Units	Residential: 534 LIG/EWS: 48 Commercial: 3
Road and internal circulation space/ paved area	15272.1 m <sup>2</sup> (49.72 % of net plot area)
Estimated Population	Residential – 2,670 (@ 5 person per unit) LIG/EWS- 240 (@ 5 person per unit) Floating – 267 Staff- 139
Area utilization	Ground/Stilt + 6 Floors
Maximum Height	Approx 20 m
Parking facilities	<b>Required</b> Parking required = 454 Vehicle Space (@ 100 sqm FAR = 45383 sqm/100) <b>Total Parking Required - 454 Vehicle space</b> <b>Provided:</b> Stilt Parking Area @ 30 sqm/ECS = 7618/30 = 254 ECS Open Parking = 221 ECS  <b>Provided – 475 Vehicle Space</b>
Power requirement & source	2258 kVA Source : Madhya Pradesh KshetraVidyutVitrana Company Limited
<b>Power Backup</b>	1 DG sets of 125 kVA
<b>Water Requirement and Source</b>	Fresh Water- 194 KLD

Items	Details
	Recycled Water- 97 KLD <b>Source:</b> Ground water till municipal supply is available
<b>Connectivity</b>	Bhopal city as well as the proposed project site has a perfect central connectivity to India's all metro cities and other important markets. The proposed site is located 6.5 km from NH-12. Bhojpur road is 6.5 Km (SE) from project site. The nearest railway station is Misrod Railway and Habibganj Railway Station which are at an aerial distance of 2.5 km (SE) and 5.5 km (N) from the project site respectively. The nearest airport is the Raja Bhoj International Airport, which is about 15 km (NW) from the proposed site. Apart from this, State Road Transport bus services provide regular and frequent connectivity to the people to and from Bhopal.

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8<sup>th</sup> 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.

Committee recommended to issue additional TOR as per notification dated 08<sup>th</sup> 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, SO<sub>2</sub>, NO<sub>x</sub> & 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.
8. **Case No. - 5759/2018 M/s Fortune Soumya Housing Bhopal, Fortune Soumya Santoza C/o Fortune Soumya Housing Bagli, Behind C-21 Mall Bhopal (M.P.)-462016. Prior Environment Clearance for Construction of Group Housing Project "Fortune Soumya Atlantis" at Khasra No. 160/2, 161, 162, 163/2, 163/3, 163/4, 164/1, 164/2, 171/1, 171/2, 326, at Village - Bagli, Barrai, District - Bhopal (M.P.). Total Plot Area – 75,743.94 m<sup>2</sup>, Total Built up Area – 62,525.99 m<sup>2</sup>., Category: 8(a) Building & Construction Project. ENV Developmental Assistance Systems Pvt. Ltd, Lucknow (U.P.).**

This is case of Prior Environment Clearance for Proposed Construction of Construction of Group Housing Project "Sterling Globe Grand" of M/s Sterling Globe Builders, Total Plot Area -12600.00 sq.mt. (1.26 hect.), Total Built up Area – 29845.64 Sq. mt., at Village - Opposite Hanumar Nagar, Jatkheri Road Near Hoshangabad Road, Tehsil -Huzur, District -

Bhopal (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.

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

**Construction Status:** The project is a case of violation on account of not securing prior environment clearance before beginning the construction activities at site. The construction work was started at site and approximately 60% of construction work was completed before the application was submitted to MPSEIAA for grant of prior environmental clearance.

Type of units	Units proposed	Units completed	Possession Given	Not yet started	Completion Percentage
Flats	642	342	130	300	60%
Duplexes/Plots	287	231	150	56	
LIG/EWS	64	0	0	32	

**Site details**

S. No	Items	Details
1.	Type of Building	Residential
2.	Total Plot Area	75,743.94 m <sup>2</sup>
3.	Area of land under 24 m wide road	3,675.22 m <sup>2</sup>
4.	Net Plot Area	72,068.72 m <sup>2</sup> Duplex development: 51,406.34 m <sup>2</sup> Multi-dwelling unit: 20,662.38 m <sup>2</sup>
5.	Total Ground Coverage	Permissible Ground Coverage for duplexes (30%)=15,421.9 m <sup>2</sup> <b>Proposed = 15,421.90 m<sup>2</sup> (30%)</b> Permissible ground coverage for Multi dwelling units (30%) = 6,198.71 m <sup>2</sup> <b>Proposed= 6,198.71 m<sup>2</sup> (30%)</b> <b>Total proposed ground coverage = 21,620.61 m<sup>2</sup></b>
6.	FAR	<b>Proposed FAR for Multiunit development = 27139.75 m<sup>2</sup></b> <b>Proposed FAR for duplexes = 29,263.48 m<sup>2</sup></b> <b>Proposed FAR for residential development = 56,403.23</b>

		m <sup>2</sup>
7.	<b>Total (Non- FAR area)</b>	Stilt Area: 4,500 m <sup>2</sup> LIG /informal sectors : 1,622.76 m <sup>2</sup>  <b>Total: 6,122.76 m<sup>2</sup></b>
8.	<b>Built up area</b>	<b>62,525.99 m<sup>2</sup></b>
9.	<b>Total open area</b>	<b>50448.104 m<sup>2</sup></b> (Net Plot Area – ground Coverage)
10.	<b>Dwelling units</b>	<b>Flats : 642 units</b> <b>Duplexes: 287 units</b> <b>LIG/EWS: 64 units</b>
11.	Road and internal circulation space	39638.1 m <sup>2</sup> (55% of net plot area)
12.	Landscape	10,810 m <sup>2</sup> (15% of net plot area)
13.	No. of Trees	Total no. of trees required: 1 Tree/ 80 m <sup>2</sup> of Open Area = (Total Planning Area-Ground Coverage)/80 = 50448.104/80 =630 Trees  <b>Proposed: 950 Trees</b>
14.	Number of floors	(S+6) Floors (25 towers +1 EWS tower)
15.	Height of Building	Approximately 21m
16.	Parking facilities	<b>For duplex development :</b> Individual parking  <b>For Multi-dwelling unit Development:</b> <b>Required</b> Parking required = 271 Vehicle Space @ 100 m <sup>2</sup> / ECS Visitor's parking = 20 Vehicle Space  <b>Total parking required= 291 Vehicle space</b>  Four wheeler parking in stilt @ 30 m <sup>2</sup> per Vehicle Space = 150 Vehicle Space  Open parking = 145  <b>Provided parking – 295 Vehicle Space</b>
17.	Power requirement & source	3544 kVA  Source : Madhya Pradesh KshetraVidyutVitrان Company



		Limited
18.	<b>Power Backup</b>	1 DG sets of 125 kVA
19.	<b>Water Requirement and Source</b>	<b>516 KLD</b> <b>Source: Ground water</b>
20.	<b>Estimated Population (fixed + floating)</b>	Residential including LIG: 3530 Duplexes : 1435 Visitors: 500 Staffs: 50 School : 500

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8<sup>th</sup> 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.

Committee recommended to issue additional TOR as per notification dated 08<sup>th</sup> 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, SO<sub>2</sub>, NO<sub>x</sub> & 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.
9. **Case No. - 5750/2018 M/s K. L. Sharma, Regal Homes, 157, C-Sector, Indrapuri, Bhopal, (M.P.) – 462026. Prior Environment Clearance for Construction of Residential & Commercial Project "Regal Town" (Total Plot Area = 27860 sqm., Built up Area = 49678.50 sqm) at Village - Khajuri Kalan, Tehsil - Huzur & Dist. - Bhopal, (M.P.) Category: 8(a) Building & Construction Project.**

This is case of Prior Environment Clearance for Proposed Construction of Construction of Residential & Commercial Project "Regal Town" (Total Plot Area = 27860 sqm., Built up Area = 49678.50 sqm) at Village - Khajuri Kalan, Tehsil - Huzur & Dist. - Bhopal, (M.P.) **Cat. 8(a) Building and Construction Projects.** 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.

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

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8<sup>th</sup> 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.

PP during presentation stated that they have already carried-out the monitoring and requested to use that monitoring data, committee allow to use that data along with one month validation data. Hence committee recommended to issue additional TOR as per notification dated 08<sup>th</sup> 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, SO<sub>2</sub>, NO<sub>x</sub> & 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. - 5751/2018 M/s Macker Real Ventures, 501, 5th Floor, Ashima Corporate Zone, Ashima Mall, Hoshangabad Road, Bhopal, (M.P.) – 462026. Prior Environment Clearance for Construction of Group Housing Project "Silver Estate Vertica" (Plot Area = 16700 sqm. Built up Area = 28451.33 sqm) Khasra No. – 60, 61, 62, 63, 64/1, 66/1, at Village - Katara, Tehsil - Huzur & Dist. Bhopal, (M.P.) Category: 8(a) Building & Construction Project.**

This is case of Prior Environment Clearance for Proposed Construction of Construction of Group Housing Project "Silver Estate Vertica" (Plot Area = 16700 sqm., Built up Area = 28451.33 sqm) Khasra No. – 60, 61, 62, 63, 64/1, 66/1, at Village - Katara, Tehsil - Huzur & Dist. Bhopal, (M.P.) Cat. 8(a) Building and Construction Projects. 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.

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

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8<sup>th</sup> 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.

PP during presentation stated that they have already carried-out the monitoring and requested to use that monitoring data, committee allow to use that data along with one month validation data. Hence committee recommended to issue additional TOR as per notification dated 08<sup>th</sup> 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, SO<sub>2</sub>, NO<sub>x</sub> & 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.

**11. Case No. - 5743/2018 M/s Satya Infrastructures Ltd, Through Mr. Mayank Pathak, Director 34, Babar Lane, Bengali Market, New Delhi – 110001. Prior Environment Clearance for Proposed Residential Development (Total Plot Area = 4,42,890 sqm, Net Planning Area = 4,37,915 sqm, Built up Area = 1,48,895.85 sqmt.) at Village - Raukhedi, Tehsil – Sanwer, Distt. - Indore, (M.P.) Category: 8 (a) Building & Construction Project. ENV Developmental Assistance Systems Pvt. Ltd, Lucknow (U.P.).**

This is case of Proposed Residential Construction Project (Total Plot Area = 4,42,890 sqm, Net Planning Area = 4,37,915 sqm, Built up Area = 1,48,895.85 sqmt.) at Village - Raukhedi, Tehsil – Sanwer, Distt. - 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. PP has submitted the following details of this project:

**Salient features of the project:**

Particulars	Details
Location	Village Raukhedi, Tehsil Sanwer, Distt, Indore, Madhya Pradesh
Coordinates	22°49'32.69"N; 75°56'37.80"E
Type of Industry	Building & Large Construction project
Category	A, Type- 8(a) Under violation cases as per notification on 14.03.2017.
Current status of land Use	Residential Land use as per Indore Master Plan, 2021
Type of facilities	Residential, Commercial, Parks, Club House, Primary School & Lush green open spaces
Nearest Road Connectivity	NH 3- Agra Mumbai Road- Adjacent (W) SH-27-9 km (W) M.R 10: 9 km (SW)
Nearest railway station	Barlai Railway station - 8 km (NE)
Nearest airport	Devi Ahliyabai Holkar Airport: 18 km (SW)
Protected areas as per Wildlife Protection Act, 1972 (Tiger reserve, Elephant reserve, Biospheres, National parks, Wildlife sanctuaries, community reserves and conservation reserves)	Rala Mandal Sanctuary: 20 km (SW)
Reserved/Protected Forests	▪ Ralamandal- Devgurariya forest: 20 km (SW)
Rivers/Lakes	▪ River Khan: 4.5 km (W) ▪ River Shipra: 7 km (NE) ▪ Bilawali lake: 20 km (SW)
Industrial Area	▪ Sanwer Road Industrial Area: 20 KM (NW)
STP/ Landfill site	▪ Kabir Khedi STP: 10 km (SW) ▪ Landfill site Indore: 17 km (S)
Archaeological important places	Krishnapura Chhatries, Lalbaug Palace, Khajrana Temple, Rajwada, Annapurna Temple, Geeta Bhavan, Kanch Mandir & Bada Ganpati lie within 15 km from proposed site.
Seismic zone	Seismic Zone II
Defense installations	Indore Cantonment Area: 14 km* (SW)

**Area Statement details**

S.NO	Particulars	Total Area(m <sup>2</sup> )
1	Total land area	4,42,890

2	Area Under Road	4,975
3	<b>Net Planning Area</b>	<b>4,37,915</b>
4	Total green area	1,52,956 (@35.18%)
5	<b>Land use</b>	
<b>A</b>	<b>Area for Plotted Development</b>	<b>86,370.89</b>
<b>B</b>	<b>Group housing: (block A,B,C1, C2, E,&amp; F)</b>	<b>18,873.0</b>
	➤ Permissible FAR (1.5)	28,309.5
	➤ Proposed FAR (1.49)	28,131
	➤ Services	10,696.5
<b>C</b>	<b>Group housing: (block C3, D)</b>	<b>1,330.74</b>
	➤ Permissible FAR (1.5)	1,996.11
	➤ Proposed FAR (1.37)	1,823.11
	➤ Services	605.48
<b>D</b>	<b>Row housing area (Malwa Jewels)</b>	<b>3,381.37</b>
	➤ Permissible FAR (1.5)	5,072.06
	➤ Proposed FAR (1.365 )	3,836.12
<b>E</b>	<b>Space for E.W.S</b>	<b>10,372.0</b>
	➤ Permissible FAR 1.3	13,483.6
	➤ Proposed FAR 1.01	10475.72
<b>F</b>	<b>Club house area</b>	<b>4,375.0</b>
	➤ FAR Permissible (1)	4,375.0
	➤ Proposed FAR ((0.37)	1621.03
	➤ Services	661.14
<b>G</b>	<b>Primary school</b>	<b>5,854.0</b>
	➤ FAR Permissible 1.5	8,781.0
	➤ FAR Consumed 1.2	7,024.8
<b>H</b>	<b>Local shop and milk parlor</b>	<b>2,093.0</b>
	➤ Permissible FAR 1.5	3,139.5
	➤ Proposed FAR 1.5	3,139.5
<b>I</b>	<b>Commercial area</b>	<b>46,965.00</b>
	➤ Permissible FAR 1.5	70447.5
	➤ Proposed FAR 1.45	68099.25
<b>J</b>	<b>Nursing home area</b>	<b>2,486.00</b>
	➤ Permissible FAR 1.5	2,486.00
	➤ Proposed FAR 1.4	3,729.00
6	Over head water tank area	778
7	Space for M.P.S.E.B.	1150
8	Stilt area	9,053.20
9	Road area	100930
10	Total proposed FAR	1,27,879.53
11	Total Non-FAR	21,016.32



12	<b>Total Built-up area</b>	<b>1,48,895.85</b>
<b>Water/Waste Water Details</b>		
	Fresh Water	698 KLD
	Flushing	279 KLD
	Horticulture / Landscape	460 KLD
	Other low end uses	14 KLD
	<b>Total Water Requirement</b>	<b>1451KLD</b>
<b>Source of water</b> - Groundwater till municipal supply is available		
Waste water - 928 KLD STP Capacity - 1100 KLD		

**Population Details:**

S.No.	Unit Type	Area/Unit	PPU	Total Population
1.	Plots	963 DU	5	4,815
	Flats	460 DU	5	2,300
	Row House	29 DU	5	145
	EWS	351 DU	5	1,755
	Staff	-	-	450
	Visitor	-	-	902
2.	Club House • Staff • Visitor	4375 sq.m.	(@10m <sup>2</sup> /person)	437
3.	Primary School Staff Students	5845sq.m	(@10m <sup>2</sup> /person)	585
4.	Commercial Area Staff Visitors	46,965 Sq.m	(@10m <sup>2</sup> /person)	4697
5.	Nursing Home	20 Bed		-
	In Patient			20
	Out Patient			30
	Visitor			25
	Staff			28
6.	Local Shop and Milk Parlor	2093 Sq.m	(@10m <sup>2</sup> /person)	209
<b>Grand Total</b>				<b>16,398</b>

This case was presented by the PP and their consultant wherein it was recorded that it is a case of violation. After deliberation, Committee considering the recent GoI, MoEF & CC Notification

dated 8<sup>th</sup> 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.

Committee recommended to issue additional TOR as per notification dated 08<sup>th</sup> 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, SO<sub>2</sub>, NO<sub>x</sub> & 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.

**12. Case No. - 5745/2018 M/s Virasha Infrastructure, Through Partner Shri Vivek Chauhan, 25-6, Walmi Road, Chunna Bhatti, Bhopal, (M.P.) – 462016. Prior Environment Clearance for Construction of Residential Project "Virasha Heights" on Khasra No. 401/4/1(kha), 401/4/2(kha), 401/2, 401/3, 401/4/4/4(gh), 401/4/3(ga), 401/4(ka), 401/4/3(kha), 400/2, 401/1 & 400/1), (Total Plot Area = 29914.72 sqm.) at Village - Banjari, Tehsil - Huzur & Dist. - Bhopal, (M.P.). Total Plot Area- 29914.72 m<sup>2</sup> (2.99 Ha. Or 7.39 Acre) Total Built up Area – 44591.3 m<sup>2</sup>, Category: 8(a) Building & Construction Project. ENV Developmental Assistance Systems Pvt. Ltd, Lucknow (U.P.).**

This is case of Proposed Residential Construction Project (Total Plot Area = 29914.72 sqm.) at Village - Banjari, Tehsil - Huzur & Dist. - Bhopal, (M.P.). Total Plot Area- 29914.72 m<sup>2</sup> (2.99 Ha. Or 7.39 Acre) Total Built up Area – 44591.3 m<sup>2</sup>. 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.

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

**Construction Status:** The project is a case of violation on account of not securing prior environment clearance before starting the construction activities at site. The construction work was started at site and before the application was submitted to MPSEIAA for grant of prior environmental clearance.

Type of dwelling units	Units proposed	Units completed	Units Incomplete/Not yet started	Possession Given	Percentage
Flats	384	288	96	140	
Duplex	24	7	17	7	
EWS/LIG	33	0	33	0	

**Site Details:**

S. No	Items	Details
1.	<b>Type of Building</b>	Residential
2.	<b>Total plot area</b>	29914.72 m <sup>2</sup>
3.	<b>Net plot area</b>	29914.72 m <sup>2</sup>
4.	<b>Ground Coverage Details</b>	<b>Permissible</b> Multiunit @40% Plotted @60% <b>Proposed =11850.1 m<sup>2</sup></b>
5.	<b>Permissible FAR</b>	Permissible FAR @1.25 = 37393.4 sqm <b>Proposed FAR</b> Total – 37393.4 m <sup>2</sup>
6.	<b>Non- FAR details</b>	Stilt = 6524.80 m <sup>2</sup> Informal Sector = 673.1 m <sup>2</sup>
7.	<b>Total Built-up area</b>	<b>44591.3 m<sup>2</sup></b> including Non-FAR (MoEF)
8.	<b>Open/ Park Area (Landscape)</b>	<b>3239.76 m<sup>2</sup> (10.83% of net plot area)</b>
9.	<b>Road and internal circulation space/ Paved area</b>	<b>12059 m<sup>2</sup>(40.31%)</b>
10.	<b>No. of Trees</b>	Total no. of trees required: 1 Tree/ 100 m <sup>2</sup> of Open Area = (Total Planning Area-Ground Coverage)/100 = 18064.6/100=181 Trees <b>Proposed: 185 Trees</b>
11.	<b>No of units to be developed</b>	No. of multi units: 384 Duplex : 24 EWS : 33
12.	<b>No of multi dwelling units</b>	8 Towers (16 Blocks)
13.	<b>Height of Building</b>	21 m
14.	<b>Area Utilization</b>	(S+6)
15.	<b>Estimated Population (fixed + floating)</b>	Multiunit:1920 (@ 5 person per unit) Duplex : 120 (@ 5 person per unit) EWS : 165 (@ 5 person per unit) Floating: 221 (10% of total population) Staff: 110 (5% of total population)

16.	Parking facilities	<p><b>Required</b>                      Parking as per T&amp;CP=250 Vehicle spaces                      Visitors Parking @10% = 25 Vehicle spaces  <b>Total = 275 Vehicle spaces</b>  <b>Provided:</b>  <b>Stilt Parking = 217 Vehicle Space</b>  <b>Open Parking =167 Vehicle Space</b>  <b>Total Provided Parking = 384 Vehicle Space</b></p>
17.	Power requirement &source	1896 kVA Source : MPMKVVCL, Bhopal
18.	<b>Power Backup</b>	1 DG sets of 165 kVA for common services
19.	<b>Water Requirement and Source</b>	Fresh water: 148 KLD Recycled treated water: 70 KLD Total water: 218 KLD Source: Municipal water supply
20.	<b>Sewage Treatment and Disposal</b>	Amount of waste water generated : 178 KLD STP Capacity: 270 KLD (~20% higher capacity) Technology: MBBR
21.	<b>Solid Waste Generated</b>	Domestic waste : 1554 kg/day Horticultural waste : 29 kg/day E- waste : <1kg/day
22.	<b>Connectivity</b>	Bhopal city as well as the proposed project site has a perfect central connectivity to India's all metro cities and other important markets. The proposed site is located 11 km from the Bhopal city and 8.5 km from NH-12 (Bhopal Bypass Road). Kolar road is 1.75 Km (West) and BRTS Corridor is 2.75 Km in east direction from project site. The nearest railway station is Misrod Railway and Habibganj Railway Station which are at an aerial distance of 2.5 km (S) and 5.5 km (N) from the project site respectively. The nearest airport is the Raja Bhoj International Airport, which is about 16 km (NW) from the proposed site. Apart from this, State Road Transport bus services provide regular and frequent connectivity to the people to and from Bhopal

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8<sup>th</sup> 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.

Committee recommended to issue additional TOR as per notification dated 08<sup>th</sup> 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, SO<sub>2</sub>, NO<sub>x</sub> & 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.

**(Dr. Mohd. Akram Khan)**  
**Member**

**(Dr. A.K. Sharma)**  
**Member**

**(Prashant Shrivastava)**  
**Member**

**(Dr. R. Maheshwari)**  
**Member**

**(Sonal Mehta)**  
**Member**

**(Dr. J.P. Shukla)**  
**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/Murrum 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. 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.
2. An inventory of flora & fauna based on actual ground survey shall be presented.
3. Risk factors with their management plan should be discussed in the EIA report.
4. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
5. The EIA document shall be printed on both sides, as far as possible.
6. All documents should be properly indexed, page numbered.
7. Period/date of data collection should be clearly indicated.
8. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
9. 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.

10. 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.
11. Grant of TOR does not mean grant of EC.
12. 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.
13. 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.
14. 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.
15. All the necessary NOC's duly verified by the competent authority should be annexed.
16. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
17. 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.
18. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
19. 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.
20. 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.
21. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
22. 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.**

23. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
24. Detailed analysis of availability and quality of the drinking water resources available in the block.
25. 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.
26. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtained.