

The 231st meeting of the State Expert Appraisal Committee (SEAC) was held on 27/10/2015 under the Chairmanship of Dr R.B. Lal for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. U. R. Singh, member
2. Dr. Manoj Pradhan, member
3. Shri. M. P. Singh, member
4. Dr. Srinivasan Krishnan Iyer, member
5. Shri. K. P. Nyati, member
6. Shri. R. Maheshwari, member

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

1. Case No. - 2889/2015 Commissioner, Indore Municipal Corporation, Indore (M.P.) – 452 009. Designing Engineering Procurement, Construction, Testing, Commissioning, Trial Run along with Operation & Maintenance of 4 MLD capacity effluent treatment plant for 3 years to treat sanwer Road Industrial area effluent and sewage flowing through Narval Nallah, Sanwer Road, Indore under Simshastha – 2016

This is a case of proposed Common ETP in the industrial area located on Sanwer road, Indore. The proposal pertains to setting up a CETP to treat the Domestic waste water contaminated with effluent being discharged from the Sanwer Raod Industrial Area. It was reported that the city sewage flowing through Narval Nallah further gets contaminated with the industrial waste-water. This nallah carries about 90% sewage and only 10% industrial waste-water. A treatment plant to treat this waste-water has been planned by the Municipal Corporation Indore before it reaches the city STP. The scheme has been taken up by the local body to ensure the clean water into river Khan which ultimately confluences into River Kshipra, Ujjain. A CETP with capacity of 4 MLD has been planned for the purpose.

It was reported by the PP tha this project is important and a priority project in view of coming Simhastha-2016 and therefore is required to be implemented

at a faster pace. PP has submitted that the baseline data and EMP for the construction as well as operation phase has already been prepared hence considering the case as B-2 category EIA may be exempted in this case.

The case was presented in 203rd dated 03.07.15 SEAC and after deliberations considering the facts committee was of the view that by virtue of its location and the type of waste-water treatment EIA has to be prepared for the project to ensure that the purpose of CETP is served without any negative impacts. Hence, PP was asked to carry out a rapid EIA and submit EMP vis-à-vis expected impacts from the project during construction and operation phase along with the mitigations where ever required. EIA / EMP have to be carried out addressing the following points:

1. Complete details of the proposed CETP to be furnished taking into account the future expansion of the industrial area and the population load of the city and the justification for selection of the proposed CETP.
2. An inventory of the industries operating in the said industrial area with details of the effluent (volume, quality etc.) being generated and disposed of from the industries.
3. An inventory of all the outfalls incorporating the discharge and quality of the waste being discharged shall be furnished.
4. Sampling shall be carried out across the length of the main sewer trunk at selected points to assess the quality (including toxic substances) of waste being carried by the sewer line. Analytical parameters should be selected on the basis of the nature of industries putting their wastes into the sewer line.
5. Based on the analytical results and the discharge rate worst-case scenario shall be evaluated and considering the same treatability studies for the proposed CETP shall be carried out to optimize the specifications.
6. Justifications for the selected concept of CETP shall be presented based on the out-come of point no. 5.
7. Impacts of CETP treated waste has to be assessed on the down streams where this waste is expected to join.
8. EIA report shall be prepared only by an accredited Environment Consultant.

9. As the CETP is proposed in Notified Industrial Area Public Hearing may not be required.
10. Existing baseline data may be used in the EIA report.
11. Other standard TORs as applicable shall be addressed in the EIA / EMP report.

The case was again placed in 231st SEAC meeting dated 27.10.15 for the presentation of EIA. The PP during meeting submitted that their presentation be postponed for other date in coming meeting. Considering the request of PP, The case may be scheduled in coming meeting of SEAC after getting the request from the PP.

2. **Case No. – 2626/2015 Shri Pradeep Kumar Mittal, Director, M/s Balaji Marble and Tiles Pvt. Ltd., 11-12, Dunne Market, Jabalpur Road, Bargawan, Distt.-Katni (M.P.)-483501. Chokra River Sand Quarry Lease Area - 5.500 ha., Capacity -1,56,750 cum/year, at Khasra No.-381, Vill.-Chokra, Teh.-Singrauli, Distt.- Singrauli (M.P.)**

This is case of **Chokra River Sand Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-381, Vill.-Chokra, Teh.-Singrauli, Distt.- Singrauli (M.P.) 5.500 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.-1608, dated: 22/08/15, has reported that there is no more mines operating or proposed within 1000 meters around the said mine.

The case was presented in 227th SEAC meeting dated 19/09/2015 wherein after deliberations it was observed that the production of 1,56,750 cum/year of sand is proposed but in mining plan evacuation of such excess quantity is not addressed properly. Thus PP was asked to submit revised evacuation plan with a copy of Khasra panchshala and recent photographs.

PP has submitted the desired documents and the case was presented and after deliberation and presentation by PP, it was observed by committee that >50% of lease area falls in the water as per the co-ordinates provided by the PP Google image which is of April 2014 (pre monsoon season) and in stream mining is not allowed and thus the entire area does not seem to be minable. Hence, committee after deliberations restricted the quantity to 75,000 cum/year.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure :-Bø

1. Production of Stone not exceeding 75,000 cum/year.

3. Case No. – 2659/2015 Shri Ramprasad Dangi S/o Shri Badi Lal Dangi, Vill.-Parsuliya, Teh.-Biaora, District-Rajgarh (M.P.)-465674. Basalt Stone Quarry Lease Area – 2.00 ha.,Capacity - 5,700 cum/year, at Khasra No.-422/1/1, Vill.-Parsuliya, Teh.-Biaora, District-Rajgarh (MP)

This is case of **Basalt Stone Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-422/1/1, Vill.-Parsuliya, Teh.-Biaora, District-Rajgarh (MP) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.420/418, dated: 01/06/15, has reported that there is 01 more mines operating or proposed within 500 meters around the said mine and total area-4.00 ha including this mine.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure :-Aø

1. Production of Stone not exceeding 5,700 cum/year as per mine plan.

4. **Case No. – 2667/2015 Shri Nitish Arjaria, M/s Khajuraho Stone (India) Pvt. Ltd., 6th Km., Sagar Road, Dhadari, P.O. & District-Chhatarpur (M.P.)-471001. Bila Granite Quarry Lease Area - 4.973 ha., Capacity - 10,000 cum/year, at Vill.-Bila, Teh.-Rajnagar, District-Chhatarpur (MP).**

This is case of **Bila Granite Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. ó 458/1/10, at Vill.-Bila, Teh.-Rajnagar, District-Chhatarpur (MP) - 4.973 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.1524, dated: 9/12/14, has reported that there is no more mines operating or proposed within 500 meters around the said mine.

PP on call for presentation verbally requested that their consultant has a presentation in MoEF&CC and thus they may be allowed for making presentation tomorrow. On the request of PP, case was deferred for 28/10/15

5. **Case No. – 2670/2015 Shri Vivek Shukla S/o Shri M.K. Shukla, 50, MIG, Govind Bhawan Colony, South Civil Line, Jabalpur (M.P.)-482004. Jamuniya Metal Stone Quarry Lease Area-2.00 ha., Capacity - 17,100 cum/year, at Vill.-Jamuniya, Teh.-Jabalpur, District-Jabalpur (M.P.)**

This is case of **Jamuniya Metal Stone Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. ó 164 (P), at Vill.-Jamuniya, Teh.-Jabalpur, District-Jabalpur (M.P.) ó 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.1933, dated: 14/10/15, has reported that there is no more mines operating or proposed within 500 meters around the said mine. No crusher proposes in ML area.

After presentation & deliberations, PP was asked to submit:-

- Evaluation plan with available road network.
- A seasonal nallah is at about 100 meters from the site for which protection plan be submitted.
- PP's commitment for construction of nearby road.

6. **Case No. – 2754/2015 Shri Satya Narayan S/o Shri Bhawar Lal Ji, Town & District-Mandsaur (MP)-458002. Damdam & Alawdakhedi Group River Sand Auction Quarry Lease Area- 10.796 ha., Capacity - 15,000 cum/year, at Khasra No. – 24, 598, 108, 167, 394, 90, 870 Vill.- Damdam & Alawdakhedi Group, Teh.-Mandsaur, District-Mandsaur (M.P.).**

This is case of **Damdam & Alawdakhedi Group River Sand Auction Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. ó 24, 598, 108, 167, 394, 90, 870 Vill.- Damdam & Alawdakhedi Group, Teh.-Mandsaur, District-Mandsaur (M.P.) 10.796 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.994, dated: 02/07/15, has reported that there is no more mines operating or proposed within 1000 meters around the said mine.

As per the record submitted, it was observed that it was group comprising of six mines all at distant locations. However, it has been sanctioned as one unit by the mining department. PP has submitted single mining plan for all six mining sites. The submitted mine plan has few discrepancies also for example in Ch.-2 óLOCATION & ACCESSIBILITYö, the grant area is mentioned as 10.796 ha., while the given area breakup is of 12.00 ha. for sand mining & 2.00 ha. for stone mining. Similarly, sitewise production details are not given.

As environmental appraisal is site specific, the proposal can not be appraised in the present form. The committee was therefore of the view that PP has to submit

mine plan, including EMP and other relevant documents separately for each site. The proposal, is therefore, returned to SEIAA.

7. **Case No. – 2755/2015 Shri Balu Singh S/o Shri Gulab Singh, Vill.-Pipalya Vijay, Teh.-Badod, District-Agar-Malwa (MP)-465441. Basalt Stone Quarry Lease Area - 2.00 ha., Capacity - 20,580 cum/year, at Khasra No. – 995, Vill.-Jamli, Teh.-Badod, District-Agar-Malwa (M.P.)**

This is case of **Basalt Stone Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. ó 995, Vill.-Jamli, Teh.-Badod, District-Agar-Malwa (M.P.) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.622, dated: 17/12/2015, has reported that there is no more mines operating or proposed within 500 meters around the said mine. Crusher is proposed in ML area.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure :-Aø

1. Production of Stone not exceeding 20,580 cum/year as per mine plan.

8. **Case No. – 2803/2015 Shri Rajendra Sahu S/o Shri Bhagwan Das Sahu, Jawahar Ward, Teh.-Devri, District-Sagar (MP)-470226. Stone Quarry Lease Area - 1.80 ha., Capacity - 14,700 cum/year, at Khasra No. – 01, Vill.-Chewla, Teh.-Devri, District-Sagar (M.P.)**

This is case of **Stone Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. ó 01, Vill.-Chewla, Teh.-Devri, District-Sagar (M.P.) - 1.80 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.1042, dated: 06/08/15, has reported that there is 08 more mines operating or proposed within 500 meters around the said mine and total area-17.80 ha including this mine.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -A.

1. Production of Stone not exceeding 14,700 cum/year as per mine plan.

9. **Case No. – 2605/2015 Shri Anubhav Shukla S/o Shri Santosh Shukla, Vill.-Kanna Bahera, Teh.-Pali, Distt.-Umariya (M.P.)-484552. Sand Quarry Lease Area - 1.895 ha., Capacity - 5,000 cum/year, at Khasra No.-145, Vill.-Kanna Bahera, Teh.-Pali, Distt.-Umariya (M.P.).**

This is case of **Sand Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-145, Vill.-Kanna Bahera, Teh.-Pali, Distt.-Umariya (M.P.) - 1.895 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO.

Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

10. Case No. – 2740/2015 Shri Shiv Bansal S/o Shri Kailash Chandra, M/s S.R. Traders, 15/978, Rudra Enclave, Infront of Collector Banglow, Hoshangabad (MP)-461001. Approved Mining Plan Submit. Sand Quarry Lease Area - 10.00 ha., Capacity - 2,90,000 cum/year, at Khasra No. – 01, Vill.-Udaipur, Teh.-Ajaygarh, District-Panna (M.P.)

This is case of **Sand Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 01, Vill.-Udaipur, Teh.-Ajaygarh, District-Panna (M.P.) - 10.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.983, dated: 27/05/2015, has reported that there is no more mines operating or proposed within 1000 meters around the said mine.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable. It was observed that some part of lease area falls in the water channel as per the co-ordinates provided by the PP and Google image. Thus targeted production is not possible. PP agreed in reduction of production quantity of 2,10,000 cum/year. Hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Bø

1. Production of Sand not exceeding 2,10,000 cum/year.

11. Case No. - 1714/2013 M/s Unichem Laboratories Ltd. , Plot No. – 197, Sector-1, Industrial Area - Pithampur, Distt. – Dhar (M.P.). Drug Intermediate Plant of M/s UNICHEM Laboratories Ltd. at Pithampur Industrial Area, Distt. – Dhar (M.P.) Proposed Capacity: 400MT/Year of different API'S, Existing Capacity: 155 TPA, Area – 79819 m2. (ToR issued vide letter No. 730 dt 11/10/13.)

This is Bulk Drug production project comprising expansion and modification in an existing unit. Plot area of the project is 79819 m2. Proposed Capacity is 400MT/Year of different API'S, The existing capacity is reported to be 155TPA.

The project is covered under the provisions of EIA Notification as item no. 5(f). Hence requires prior EC before commencement of activity at site. TOR was issued for the project to carry out EIA / EMP vide letter dated 11/10/2013. The EIA report submitted by the PP was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The salient features and EMP were presented by the PP before the committee.

Project Background:

Item	Detail
Project Name	Expansion of Bulk Drug Intermediate Manufacturing Unit.
Location	Plot No. 197, Sector 6 1, Pithampur Industrial Area, Dhar, Madhya Pradesh (Lat: 22° 37'20" N; Long.: 75° 41'59"E).
Type of Project	Expansion (Increase in Production Capacity & No. of APIs)
Production Capacity	Existing: 155 MTPA. Proposed Expansion: 245 MTPA. After Expansion: 400 MTPA.

Status of EC/ Consent for the Existing Unit

- The existing unit was established in 2003. Hence, Environmental Clearance was not required.
- The existing production capacity is 155 MTPA, which was issued with Air and Water Consent for the production of 16 APIs. Of which the production of four APIs have been stopped.

Production Details – Existing and Proposed

Category I (Bulk Drug) 6 25 No.		
Product Name	Existing (MTPA)	Proposed (MTPA)
Setraline Hydrochloride	30	1 (Production Reduced)
Losartan Potassium	20	7
Telmisartan/		8
Eprosartan Mesylate		35
Phenylphrine Hydrochloride/	20	30
Biaryl alcohol (Production Stopped)		-
Phthaloyl Amlodopine	40	-
Amlodopine Besylate		30
Tamsulosin hydrochloride (Production Discontinued)	15	-
Atomoxetine hydrochloride		2
Nateglinide		20
Leuflomnomide/ Venlafaxine	10	-

hydrochloride (Production Discontinued)		
Lamotrigine	20	60
Alfuzosin hydrochloride		2
Zolpidem tartarate		1
Memantine hydrochloride	-	5
Bupirone hydrochloride	-	2
Irbesartan	-	5
Olmesartan	-	4
Valsartan	-	2
Quetiapine	-	36
Ranolazine	-	30
Candesartan	-	1
Dronadarone	-	2
Cinacalcet	-	2
Citrizine	-	10
Divalproate	-	15
Glipizide	-	5
Category II (Bulk Drug Intermediates) - 3 No.		
Diamine	-	2
Taxol	-	3
Phthaloyl amlodopine	-	60
Category III		
R & D /Validation/Pilot Plant Product	-	20
TOTAL	155	400

Area Statement

Item	Detail	
Total Plant Area	79,819 m2	
Area Requirement		
Purpose	Existing (m2)	Proposed (m2)
Process Area	4,000	Expansion of the existing unit :- 2,248
Raw Material Storage	750	
Finished Good Storage	287	
Open Area	11,285	

Green belt 26,341 m ² (33% of total area)	15,000	11,341
Total	31,322	13,589
Project Cost		INR 40 Cr.

Water & Power requirement / Source:

Items	Existing Unit	Proposed Expansion
Water Requirement	50 KLD Source: AKVN	Construction Phase: 25 KLD Operation Phase: Proposed: 175.5 KLD (Existing + Proposed Expansion) Fresh water requirement ó 130.5 KLD Source: AKVN
Power Requirement	800 KVA Source: MPSEB	Construction Phase: 100 KVA Operation Phase: Proposed: 1300 KVA Source: MPSEB
Power Backup (DG Sets)	500 KVA × 2 Nos.	1000 KVA × 1 No.

The case was presented in 172^{ed} SEAC meeting dated 22/02/2015 and after deliberations PP was asked to submit response to the follow queries within 15 days:

- Point-wise compliance of the TOR.
- Worst case scenario in context to the waste water expected to generate from the process vis-à-vis treatment system to handle the same.
- Product wise inventory for all the waste-water streams and the management thereby.
- Product wise inventory for all types of solvents proposed to be used in the process and the management thereby along with the estimates of solvent expected to escape in environment & the mitigations planned to prevent the same.
- Domestic waste-water and other lighter effluents may be planned for separation & treatment so as to check their suitability for use in irrigation (land application).
- Hazardous waste inventory mentioning proposed disposal for each of the hazardous wastes as per the provisions of the relevant rules to be furnished.
- Complete details of the scrubbing system ensuring more than 95% solvent recovery from the emissions to be furnished.

The case was again placed in the 213th SEAC meeting dated 08/08/2015 wherein the response to the above queries submitted by the PP was scrutinized by the committee. It was observed that the response to all the queries is satisfactory and acceptable, however the explanation furnished for Worst case

scenario in context to the waste water expected to generate from the process vis-à-vis treatment system to handle the same is not satisfactory, hence it was decided by the committee to call the PP in coming meetings for presentation on the issue.

The case was scheduled in this meeting for presentation of Worst case scenario. The presentation & submission made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of prior EC subject to the following special conditions:

1. All the process effluent should be treated in MEE & ATFD and the generated sludge should be disposed off in CTSDf.
2. Zero discharge condition should be maintained.
3. Efforts should be made for solvent recovery upto 99% as PP is proposing a new solvent recovery plant.
4. As the 65 KL/D treated waste water will be available and being zero discharge unit, PP should carryout additional plantation efficient utilization of water.
5. Explore the possibility of having two modules of MEEø aggregating to 50 cum/day.

12. Case No. 1833/14 Shri V.K. Hamirwasia, President, Barnagar, Sector-Madhav Nagar, Chanderia, Chittorgarh (Raj.)-312021. Environmental Clearance of proposed Cement Grinding Units proposed capacity 2 x 1.0 MTPA Phase-I, 1.0 MTPA Phase-II total project area 26.87 ha at Vill.-Karadiya & Khedamdhav, Teh.-Barnagar, District-Ujjain.

This is case of **Cement Grinding Units**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Vill.-Karadiya & Khedamdhav, Teh.-Barnagar, District-Ujjain- **26.87** Ha. The project requires prior EC before commencement of any activity at site.

Environmental Clearance For Cement Grinding Unit (2x1 MTPA) at village karadaia & kheda mahadev Tehsil Badnagar, Dist Ujjain (MP) : Environment Consultant óM/S Creative Enviro Services, Bhopal (MP).

This is a case of grinding unit for production of cement. The project is covered as item 3(B) in the schedule of EIA notification as stand alone grinding unit and hence requires prior EC from SEIAA before commencement of any activity at site. The project is proposed in the at village ó karadia & Kheda mahadev, teshil Badnagar Dist Ujjian (MP) The land for the project has been acquired and diverted for the industrial purposes. The application pertaining to EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. PP and their consultant presented the case before the SEAC in this meeting. The submissions and the presentation made by the PP and his consultant revealed following:

Project at a Glance

S. No.	Particulars	Details
1	Project	2X1.0 MTPA Cement Grinding Units Phase ó I ó 1.0 MTPA Phase ó II ó 1.0 MTPA
2	Total Power requirement for process	7.5 MW for Phase ó I, 5.0 MW for Phase - II
3	Total Land available	26.87 Hact
4	Raw material required	Clinker, Fly Ash and Gypsum
5	Source of Power	Madhya Pradesh State Electricity Board (MPSEB).
6	Water Requirement	Phase ó I ó 95KLD Phase ó II - 70 KLD
7	Source of Raw water	Ground water / Rainwater Harvesting
8	Major Plants / Equipment	Cement Grinding & Packing Unit
9	Capacity of Cement Mill	160 TPH
10	Pollution control equipment	Bag Filters & Water Sprinklers
11	Level of particulate Matter after APCE	Less than 30 mg /NM ³
12	Cost of Pollution Control Equipments	Approx 4.0 Crores
13	Number of employment generation	50 persons for Operations and 350 persons for Project execution
14	Fund for CSR activities	As per guidelines.

Land break up:

Land Use of the Core Zone		
S.	Section	Area (m ²)

No.		
1	Plant machineries	20000
2	Material storage	15000
3	Roads	40000
4	Offices	3200
5	Future expansion and RWH infrastructure	36600
6	Railway track & siding	63900
7	Green Belt	90000
	Total	268700

Environmental Setting of Project

Particulars	Details
A. Village	Khedamadhav & Karadia
B. Tehsil	Barnagar
C. District	Ujjain
D. State	Madhya Pradesh
Toposheet No.	46 M/8
Latitude	23°28'36.96" to 23°30'15.84" N
Longitude	75°23'41.28" to 75°24'07.2" E
General ground level	497m above MSL
Nearest National/ State Highway	Ujjain-Barnagar - SH-18 ó 1.75km - NW
Nearest Railway Station	Barnagar ó 2.75km - WNW
Nearest Airport	Indore- 54km
Nearest Tourist Place	None within 10km radius
Archaeological Important Place	None within 10km radius
Ecological Sensitive Areas (Wild Life Sanctuaries)	None within 10km radius
Reserved / Protected Forest within 10km radius	None within 10km radius
Nearest major city <50000 population	Barnagar ó 2.0km ó W
Nearest Town / City within 10km radius	Barnagar ó 2.0km ó W
Surrounding village within 1 km area of the project.	Khedamadhavó 1.0km - NE
Nearest village	Khedamadhav ó 1.0km - NE
Nearest River	Chamla River ó1.10 km ó W
Nearest Lake/ Ponds	Seasonal nallah along the west & east boundary
Nearest Hill Ranges	None within 10 km radius
Other industries	None within 10 km radius

Raw Material Requirement

S.	Particulars	Quantity in LTPA	Source	Mode of
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No.		Phase -I	Phase -II		Transportation
1	Clinker	6.5	6.5	BCL, Chanderia	Rail/Road
2	Fly Ash	3.0	3.0	MPPGENCO, Mundi (M.P.)	Rail/Road
3	Gypsum	0.50	0.50	Rajasthan / Import	Rail/Road

S.N	Material	No. of days storage	Capacity (Tons)	Type of Storage
1.	Clinker	10	20,000	RCC silo.
2.	Gypsum	15	2,500	Covered stockpile
3.	Cement	5	15,000	RCC silo
4.	Bags	7		Covered storage
5.	Flyash	4	4,000	RCC silo.

Air Pollution Control Measures

The mitigation measures recommended in the plant are:

- Installation of bag filters of efficiency of 99.99% to control the TPM concentrations below 30 mg/Nm³;
- Provision of stacks with adequate height for wider dispersion of gaseous emissions;
- Provision of closed silo system for storage of clinker, gypsum and fly ash
- Asphaltting of the roads (40% + fly ash CC based) within the plant area and provision of pucca road from plant boundary to PWD Road (approx 400 meter). The plan should follow the details as given below:
 - Normal construction of road consists of cement, sand & grit. The top concrete layer is approximately 200mm thick. It is laid over the macadam filling and on murrum.
 - The high flyash road of 40% flyash will be designed keeping the macadam layer over flyash evenly spread. The flyash content will be atleast 40%. Concrete will be consisting of cement, sand, flyash and grit. The content of the flyash will be minimum 40%. The road design for heavy loaded vehicle will be done. If required, tor steel may be added as per design. The minimum width of the road shall be 10m with pathways and drains.
- Provision of dust extraction systems at dust generating source;
- Developing of Greenbelt (15 m all around the periphery of the plant and 10 m on both side of bank of gully/nalla (passing through the site) to arrest the fugitive emissions.
- É Green belt will be developed between main railway track and proposed railway siding.
- Online emission monitors shall be provided for major stacks.
- Preventive maintenance of valves, flanges, joints, roof vents of storage vessels. The fugitive dust emissions shall be controlled by installation of closed conveyor system along with suitable dust suppression measures:
- É Dust collectors system shall be provided at various material transfer points.
- É Ambient air quality and stack emission would be regularly monitored to ensure that ambient air quality standards and suggested limits on stack emission loads would be met honestly at all the time.

- É All the unpaved roads as well as paved roads, which are exposed to high dust concentrations within plant, must be sprinkled with water.
- É Idle running of vehicles will be minimized during material loading / unloading operations.
- É Implementation of recommendations of on Green Belt with the help of local area development authorities.
- É Storage area shall be clearly earmarked.
- É Enclosure shall be provided for all the loading & unloading operations, if possible.
- É All transfer points shall be fully enclosed.
- É Preventive measures shall be implemented to minimize dust build up on road.
- É Conveyors shall be provided with conveyor cover.
- É Maintenance of air pollution control equipment shall be done regularly.
- É Provision of dust mask for all workers.
- É Regular training shall be given to the personnel operating and maintaining fugitive emissions control systems.

S. N.	Description	Emission source	Pollution control system	TPM concentration - mg/Nm ³	Peak Particulate emission rate from stack(g/s)	Stack Height * in mtrs	Stack Gas Temp. (oC)	Stack Gas Velocity (m/s)	Stack Tip Diameter (m)
1	Clinker Silo dedusting	Clinker silo	Bag Filter	<30	0.16	30	40	20	0.60
2	Flyash silo dedusting	Flyash silo	Bag Filter	<30	0.15	30	50	20	0.60
3	Flyash bin dedusting	Flyash bin	Bag Filter	<30	0.08	30	50	20	0.50
4	Cement silo-1 dedusting	Cement silo	Bag Filter	<30	0.07	30	70	20	0.50
5	Cement silo-2 dedusting	Cement silo	Bag Filter	<30	0.07	30	70	20	0.50
6	Roller Press Elevator dedusting	Elevator & air slide	Bag Filter	<30	0.07	30	70	20	0.50
7	Separator venting	Separator	Bag Filter	<30	0.13	30	100	20	0.60
8	Mill venting	Ball mill	Bag Filter	<30	0.20	30	100	20	0.80
9	Packer dedusting	Packer Machine no. 1	Bag Filter	<30	0.07	30	60	20	0.50
10	Packer dedusting	Packer Machine no. 2	Bag Filter	<30	0.07	30	60	20	0.50

* Stack height shall be minimum 30 mtrs. From ground and atleast 10 mtrs. above respective building.

Water Environment

Water balance

Water Balance for the Proposed Grinding Phase -I &II					
Sr No	Consumption (m ³ /day)		Waste water Generation (m ³ /day)	Input source and quantity In (m ³ /day)	
1	Cooling Tower	8	Nil	Ground water	136
2	Mill water spray	120	Nil	Rain water	26.5
3	P&V system + road spray + laboratory + fire fighting	11	1	STP	2.5
4	Domestic	8	6	-	-
5	Green belt	18	Nil		
	Total	165	7	Total	165
Treated water from STP 2.5 KLD shall be utilized for green belt development					

The air cooled system is proposed for the grinding process and no industrial waste water generation is envisaged. Being a grinding unit, potential of water pollution is not envisaged at larger level, however storm water drainage system need to be taken care preciously to prevent the flow of silt and other contaminant towards nalla, river and agricultural land outside of the site. It can be inferred from the water balance presented except sewage generation , no other wastewater will be generated from the proposed facility.

The recommended measures to minimize the impacts and conservation of fresh water are:

- The raw water requirement shall be optimized. The COC in cooling system shall be maximized
- É Wastewater will be generated from domestic use and shall be given in STP of 15 KLD..
- É The STP shall be provided up to tertiary system i.e. inclusive of ACF, MGF and other polishing unit.
- Utilization of treated domestic wastewater in toilet flushing, greenbelt development and dust suppression;
- The treated wastewater before disposal for land irrigation shall be checked for conformity of Environment Protection rules; and suitable rainwater harvesting structures will be constructed.
- É Boundary wall towards the direction of Chamla River shall be constructed to avoid storm water flow of factory premises.
- É A drain along the boundary wall should be made , which will join the settling tank/water reservoir to protect the flow of contaminant towards nearby agricultural land
- É Regular monitoring and analysis of inlet point and outlet point of nalla section is recommended.
- “ Effective and strict implementation of recommendation of hydrogeology report.

Green Area Development:

Proposed Plantation Detail		
Description	Qty	Location

Forest Trees		
Neem	2000	Boundary Wall and rail way siding
Shesam	1000	
Putran Jeeva	1000	
Sagwan	1000	
Pulp Trees		
Eucalyptus	1500	Septic tank/soak pit & Western Side
Bamboo	500	Along With Nalla
Ornamental Trees		
Amaltash	500	Road Main Gate - Admin Block
Gulmohar	500	Road Main Gate - Admin Block
Ficus Venjamin	500	In Around Admin Block
Satparni	500	In Around Admin Block
Ashoka Tree	500	In Around Admin Block
Palm	500	Out Side Main Gate
Coconut	500	Around Water Reservoir
Fruit Trees		
Papaya	900	Near Main Gate
Mango	900	Near water reservoir
Guava	900	Near water reservoir
Lemon Grafted	900	Near water reservoir
Jamun	900	Boundary wall
Imly	900	Boundary wall
Jack Fruit	900	Boundary wall
Bushes		
Bugun Velia	1000	Boundary Wall
Peepal	100	Near pump house
Bargad	100	Near Pump House
TOTAL	18000	

Plantation Schedule					
Year	Area in Sq mt	No	Year	Area in Sq mt	No
1 st	9000	1800	5 th	9000	1800
2 nd	9000	1800	6 th	9000	1800
3 rd	18000	3600	7 th	9000	1800
4 th	18000	3600	8 th	9000	1800
Total Area : 90000 Sq Mt Total No. - 18000					

The case was presented for TOR in 154th SEAC meeting dated 10/11/2014 and after deliberations following additional TORsø have been prescribed for inclusion in the EIA report:

- Other technological options and justification for selection of the proposed technology to be furnished.
- Source of all the raw material including the fly-ash and clinkers along with the transportation route to be detailed out.
- Air quality modeling for point as well as line source to be depicted and presented considering the sources and the sensitive receptors.
- Hot spots within the premises and the transport route to be identified and specific EMP for the same has to be suggested with budgetary provisions.
- Detailed scheme for plantation to be submitted with areas demarked on layout for greening.
- Activity-wise annual budget for executing the EMP has to be furnished.
- Details of Environmental cell to be deputed in the project with the responsibilities assigned to each of the members of the cell.
- It was suggested by the committee to plan for high volume ash-concrete roads (more than 40% ash) within the premises; detailed plan for the same to be submitted with EIA.
- Public Hearing has to be carried out disclosing all the facts on process, possible disasters with proposed mitigations, expected air/water pollution from the project and the mitigations proposed thereby. All details of the proposed land (present land-use, ownership status diversion (if any) permissions etc. have to be disclosed before the public.

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

1. Wagon tippler should be supported by heavy duty bag dust collectors.
2. Clinker should be transported through rail network. In any case the transportation by road if carried out in emergency situation, it should not be beyond 5% of total quantity.
3. All the commitments made during public hearing should be addressed by the PP.
4. Height of all the stacks should be minimum 30 meters and PM10 from each stack should not exceed 30 mg/nm³.
5. Flay ash based road shall be made as proposed.

13. Case No. – 2939/2015 Shri Praveen Singh Bundela, Prop., M/s Balaji Granites, H-12, K.K. Colony, Teh. & District-Datia (M.P.)-473661. Granite Mine Lease Area - 21.00 Ha., Granite - 22140 cum/year, Gitty Stone - 26291 cum/year, at Khasra No. – 219, Vill.-Sunar, Teh.-Datia, District - Datia (M.P.).

This is case of **Granite Mine**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. ó 219, Vill.-Sunar, Teh.-Datia, District - Datia (M.P.) 21.00 Ha. The project requires prior EC before commencement of any activity at site.

It being a case of Granite mining of ML area 21.00 ha. committee considered the case under B-1 category and recommended for issuing standard TOR prescribed by MoEF&CC for EIA.

14. Case No. 1857/2014 M/s. Ujala Merchants & Traders Ltd., Dr. N.C. Misra, (Holder of Power of Attorney), Kohli Farm, House Campus, Near Rapta Petrol Pump Khirahni, Katni, . Gudha Dolomite Mine Lease Area – 8.094 Ha. Capacity – 2,50,000 Tonnes per Annum at Khasra No. 49 P, 51, 52 P, 53P, 73P, 81P, 82P, 83, 84P, 85 at Village – Gudha, Tehsil – Badwara, Distt. Katni (M.P.)

This is case of **Gudha Dolomite Mine**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 49 P, 51, 52 P, 53P, 73P, 81P, 82P, 83, 84P, 85 at Village ó Gudha, Tehsil ó Badwara, Distt. Katni (M.P.) 8.094 Ha. The project requires prior EC before commencement of any activity at site.

This is a mining project in an area of 8.094 Ha. The minerals proposed for mining is dolomite ore with production capacity of 2,50,000 TPA. The project falls under category B-1 of the schedule of EIA Notification and requires prior EC under the provisions of said notification. The application of the PP was forwarded by the SEIAA to SEAC for scoping so as to determine TOR(280/PS-MS/ MPPCB/ SEAC/ TOR (154)/ 2014 Bhopal date 20/12/2014) to carry out EIA and prepare EMP for the project.

Location and Approach

Site : Village - Guda
 Tehsil : Badwara
 District : Katni
 Location : Toposheet No. 64A/10
 Land Use : Private waste Land
 Khasra No. : 49P,51, 52P, 53P, 73P, 81P, 82P, 83, 84P, 85
 Latitude : 23⁰ 40' 34.9" 24⁰ 40' 49.9" North
 Longitude : 80⁰ 32' 14.1" 80⁰ 32' 31.3" East

Environment setting of project

Particulars	Details
Locations	
Village	Gudha
Tehsil	Badwara
District	Katni
State	MP
Latitude	23 ⁰ 40' 34.9" – 24 ⁰ 40' 49.9" North
Longitude	80 ⁰ 32' 14.1" – 80 ⁰ 32' 31.3" East
Co-Ordinate of the lease area	1. 23 ⁰ 40" 41.8" - 80 ⁰ 32' 14.2" 2. 23 ⁰ 40" 43.3" - 80 ⁰ 32' 28.5" 3. 23 ⁰ 40" 35.2" - 80 ⁰ 32' 19.2" 4. 23 ⁰ 40" 38.8" - 80 ⁰ 32' 14.1"
General ground level	458m
Elevation range	Highest - 468m RL Lowest - 458m RL
Nearest National/ State Highway	NH-78 - 9.0km
Nearest Railway Station	Rupond - 8.0 km

Nearest Airport	Jabalpur - 75.0km
Nearest Tourist Place within 10km radius.	None
Archaeological Important Place within 10 km radius.	None
Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	None
Reserved / Protected Forest within 10km radius	Jorapahar RF - 2.5km - S Bijhota RF - 8.0km - SW Kudra RF - 8.5km - S
Nearest major city with 100000 population	Nil
Nearest Town/City within 10km radius	None
Nearest Village	Gudha - 0.35 km - SW
Nearest River with 10km radius	None
Nearest Nalla/pond	Datla Reservoir - 3.75 km - NE Jirgiri Nalla - 5.0 km - SSE Bhabrar Nalaa - 1.0 km - WNW Local Nalla - 0.15km - E Jirgiri Tal - 5.20 km - SSE Jaranagar N - 8.75 km - NW Baragaon Nalla - 3.75km - NW Baragaon Canal - 4.0km - NW Stop Dam - 1.50km - ENE

Other mines within 10km radius	<ol style="list-style-type: none"> 1. Ultratech – Chhapparwah 2. Skyplast – Sejha 3. Smt. Saroj rani agrawal – Sejha 4. V. S. Minerals – Sejha 5. Kamal Lime Industries- Chandan 6. V. S. Mineral – Nanhwara 7. Gagan Sial – Sunahari 8. M/s Associate lime Co. Mission- Nanhwara 9. Ashok Goenka – Badagaon 10. M/s Kachhawaha Minerals Pvt – Badagaon 11. Ismile and sons- Bhatgaon sunehra 12. Arif Ahmed- Bhatgaon sunehara 13. Aslam Ahmed – Bhatgaon Sunehara
Industry within 10km radius	J. K. White Cement, (White cement based wall care Putty plant) – 6.00km- Proposed

Mining Method

- “ Proposed mining operations comprising development, drilling, blasting, loading and transport etc. will be done by opencast method by adopting benching system and deployment of suitable HEMM.
- “ Regular drilling for blasting will be done for facilitating the for heaving the material. Drill holes on well designed pattern of the depth of 2.8m will be done by drilling.
- “ Haul road will be constructed to reach every working bench and to the floor of the pit
- “ Initially the mining operation is proposed in southern part of lease area. In the ensuing years, there will be four to five development benches of 2-3m height and 5-6 production benches in Dolomite while the width of the benches will be 5-6m.
- “ RL wise development benches will reach from 467m-453m and production benches will be from 463m to 430m

Details of Exiting Pit		
Pit/Working pit	Size in ha	Location
Quarry-1	0.305 x 1-8	SW part of the ML area

Salient features of the project:

S. No.	Particulars	Details
1	Type of Mine	Open Cast
2	Mining Lease Area	8.094 ha
3.	Mineable Area	7.50 ha
4.	Existing Pits & Quarries	0.305 ha
5.	Existing Dumps	0.2 ha
6.	Infrastructure and road	0.27ha
7.	Mineral Storage	Nil
8.	Plantation	Nil
9.	Recoverable Reserve	3189303 MT
10.	Method of mining	OTFM
11.	Present depth of mining	8mbgl (450mRL)
12.	Ultimate Depth of Mining	39m bgl (419mRL)
13.	Ultimate Pit Slope	45°
14.	Expected Life of Mines	14 years from start of mine
15.	Lease Period	20 year from 1999 to 2019
16.	Thickness of lateritic soil	
	Minimum	0.0 m
	Maximum	3.0 m
17	Stripping Ratio	1 :0.35 to 1:0.69
18	Mode to transportation	Road
19	Area to be covered under dumps in conceptual	1.0125ha

	period	
20	Area covered under pit in conceptual period	6.4365 ha
21	Area to be reclaimed by conceptual period	1.50 ha
22	Area to be covered under plantation by conceptual period	3.375ha
23	Area to covered under water reservoir	3.8115 ha
24	MRL	468-458m
25	Ground water table	
	Monsoon period	45m bgl (413mRL)
	Dry month	50m bgl (408 mRL)

Conceptual plan of the project

Items	Existing	Conceptual period
Total lease area	8.094ha	
Ultimate depth of mining	8m bgl (450mRL)	39m bgl (419mRL)
Ultimate pit slope	45 degree	45 degree
Area under dumps	0.2ha	1.0125ha
Area under pits	0.305ha	6.4365ha
Area to be reclaimed	Nil	1.5ha
Infrastructure & Road	0.27ha	0.01ha
Mineral storage	Nil	Nil
Plantation	0.01ha	3.375ha
Water body	0.2ha	3.8115ha

Environment Management Plan:

Air pollution control measures

Following measures have been suggested for mitigation the effect of mining operation over ambient air environment:

- É Dust suppression over the haul roads by carrying out water sprinkling.
- É Old dumps have been temporary stabilized. It is desirable to that re-handling of the same dumps shall be started as soon as possible. Over burden dumps will not be left for longer period and will be used for reclamation purposes. As stated in scheme of mining that same will be used for maintenance of approach road, which should be complied strictly.
- É Haulage of ROM to the proposed wall care putty plant will be done by dumper. After excavation, mineral will be transported to the wall care putty plant by hired/own dumper (24t capacity). The approach road is kucha which is having distance of 3.60 km up to PWD road from lease area; hence water spraying is suggested on same road as a part of mitigation measures before movement of dumps.
- É It is expected that the same road will be made as paved road by the lessee under CSR activity with support of local administration.
- É One kachcha road passes through the lease area, for which lessee is in process to shift the road from the outside of the lease area with due consent from villagers and District authorities
- É Systematic plantation on the lease periphery is already undertaken. It will be done on benches and backfilled area in future at the appropriate time.
- É Proper maintenance of haulage roads, which shall be used for transportation of material
- É Dust mask will be provided to all workers and wearing of the same should be made compulsory.
- É Water sprinkling during the drilling will be done to arrest the dust emission
- É Techniques of controlled and muffle blasting will be adopted.

Water Pollution Control Measures

There is no water course in the lease area. The main drainage of the area is through local Nalla in east at 150m distance. The water table in the lease area varies from 45m to 50m, whereas mining will be done up to average depth of 39m, thus ground water table will not be touched during lease period. Hence ground water will not have any significant adverse impact. Surface water source will not be affected in the lease area.

The main drainage of the area is through nalla in east at 150m distance which confluences in Datla Reservoir at a distance of about 3.75km in NE direction. The pumped out mine water will be dropped in settling tank from where it will be utilized for

irrigation purpose. Water requirement of the project is estimated is 16kl per day, which will be met from the hand pump, settling tank and pit water. Following measures will be taken to mitigate the water pollution

- É Pump having required capacity will be installed to lift accumulated rain water from working pit.
- É During lease period out of 6.4365 ha excavated area, 3.8115ha area will be converted as a water reservoir.
- É Garland drain will also protect lease area from surface runoff of hillock, located in south direction
- É De-siltation of nalla, if required is proposed.
- É Water spraying before the movement of dumper is recommended for suppression of dust over the kachcha road.
- É Quality of water accumulated in the working pit and settling tank will be checked & analysed quarterly.
- É It shall be ensured that drinking water to qualify as potable will be provided. Good sanitation system will be made available.

Noise Pollution Control Measures

- “ Practice based on the existing rules and regulations for restricting the number of holes to be blasted at a time with the use of short delay detonators in combination with sequential blasting machine and also maintaining the charge per delay will be adopted;
- “ Hydraulic Rock Breaker shall be used for breaking boulders instead of conventional pop shooting;
- “ Blasting shall be practiced between 12 noon to 4 pm when temperature inversions are not likely to be there and air density is less.
- “ Row of trees shall be planted all around mine premises to reduce propagation of noise and dust due to blast outside the lease;
- “ The workforce working at the mining face, where high noise level is expected, shall be provided with protective device for occupational safety, however its wearing should be made compulsory to them.
- “ Noise generating machinery, should strictly be in compliance with the recommendations of the manufacturers. This would ensure an installation free from vibration and exhaust leaks which are also major contributors to increased noise levels
- “ Ground vibration study is recommended at least once a year to keep the precautionary paradigm implemented effectively.
- “ Preventive maintenance of machines and vehicles will be carried out regularly.

Solid Waste Management

Existing Dump Detail					
Dump no	Type/ Quality	Base Area	Avg. Ht-M	Quantity	Location
1	Weathered ferruginous argillaceous form	1424 m ²	4m	5696m ³	East
2.	Weathered ferruginous argillaceous form	374m ²	4m	1498m ³	North
3.	Weathered ferruginous argillaceous form	107m ²	3.25m	349m ³	North
4.	Weathered ferruginous argillaceous form	63m ²	1.5m	95 m ³	Central

Year wise generation of overburden and mine waste			
Year	Soil in m³	Over burden in m³	Mine waste 10% in m³
1 st	Nil	25100	5913
2 nd	Nil	46200	6227
3 rd	Nil	63051	8509
4 th	Nil	-	8745
5 th	Nil	64623	10498
Total	Nil	198974	39892

Waste dump management during first five year period								
A	B			C		D		
Year	Size of dump at the beginning of the year			Effective quantity dumped during the year M ³	Cumulative quantity dumped	Size of dump at the end of the year		
	Bottom area M ²	Top area M ²	Avg. height/ thickness-M			Bottom area M ²	Top area M ²	Avg. height/ thickness-M
1 st	-	-	-	28112	28112	14000	13950	2m
2 nd	14000	13950	2m	51744	79856	14000	13680	4m
3 rd	14000	13680	4m	70617	150473	14000	13680	4m
4 th	14000	13680	4m	-	150473	14000	11205	12m
5 th	14000	11205	12m	72378	222851	14000	9856	17m

Out of total conceptual OB 594213m³ about 267787m³ will be used for backfilling the pit bottom for an average 9m depth and 270000m³ will be used for complete backfilling and rest available 56424 m³ will be adjusted in barrier zone for bund building around the proposed water reservoir and maintenance of haul road, village road.

Backfilling through mine waste

In the conceptual period, about 6.4365ha area will be developed up to 39m below the ground level or ARL wise it will be up to 419m, while surface RL will be around 458m. After complete excavation of mineral, the western part of lease area will be fully backfilled for a depth of 18m (441mRL to 463mRL).

After complete excavation of mineral, the eastern part of lease area will be backfilled for an average depth of 9m (432ARL) & rehabilitated by plantation.

Proposed Water reservoir:

Total mined out area at the end of conceptual period = 6.4365ha

Bench afforestation = 1.125ha

Water reservoir = 3.8115ha (Average depth of water reservoir = 25m)

Volume of water reservoir = 3.8115ha x 25m = 952875m³

Proposed Afforestation plan

Environment impact & management: ecology: stage wise cumulative plantation								
Requirements of plants for afforestation/reclamation								
Year	Unworked area green belt (Along the road and boundary area)		Outside dumps (Reclaim area)		Inside dump (Around the water reservoir)		Total	
	Area (Ha)	Trees (No.)	Area (Ha)	Tree (No.)s	Area (Ha)	Trees (No.)	Area (Ha)	Trees (No.)
Present	0.01	100	-	-	-	-	0.01	100
1 st to 5 th	0.8525	1200	-	-	-	-	0.8525	100
6 th to conceptual period	-	-	1.5	2250	1.0125	1500	2.5125	3750
Total	0.8625	1300	1.5	2250	1.0125	1500	3.375	3950

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

1. A water body (nallah) is in existence about 150 meters in ML area. PP should carryout extensive plantation towards water body.
 2. No crusher be installed in ML area.
 3. Diverted road be constructed and maintained by the PP.
 4. All the commitments made during public hearing should be addressed by the PP.
 5. Channel should be made for management of over flow of seetling tank supernatent, so that it drains out in the nearby nallah only.
15. **Case No. – 2833/2015 Shri Arvind Singh Sikarwar S/o Shri Ramsingh Sikarwar, M-48, R.K. Puri, Thatipur, Gwalior (MP)-475001. Sand Quarry Lease Area- 7.31 ha., Capacity - 1,25,001 cum/year, at Khasra No. – 314, 2416, Vill.-Sonhar, Teh.-Narwar, District-Shivpuri (MP)**

This is case of **Sand Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. ó 314, 2416, Vill.-Sonhar, Teh.-Narwar, District-Shivpuri (MP) 7.31 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.289, dated: 01/04/2015, has reported that there is no more mines operating or proposed within 1000 meters around the said mine.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Bø

1. Production of Sand not exceeding 1,25,001 cum/year as per mine plan.
2. A bridge is about 200 meters away fro the ML area. Thus safe distance of 100 meters should be left.

16. **Case No.- 2855/2015 Shri Dinesh Mishra M/s Sharda Ma Enterprises Pvt. Ltd., Jaiswal Building, Behind Shankar Talkies, 1st Floor, Distt. - Katni (MP)-483501. Bhadawar Dolomite Mines Lease Area - 1.86 ha., Capacity - 67,000 TPA, at Khasra No.- 650, Vill.-Bhadawar, Teh.-Badwara, District-Katni (MP)**

This is case of **Bhadawar Dolomite Mines**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.- 650, Vill.-Bhadawar, Teh.-Badwara, District-Katni (MP) - 1.86 Ha. The project requires prior EC before commencement of any activity at site.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure :-A

1. Production of Dolomite not exceeding 67,000 TPA as per mine plan.
2. An existing kachha road of about 600 meters which will be used for the transportation of minerals be made pucca and maintained by the PP.

17. **Case No. – 2901/2015 Shri Shambhu Prasad Sahu, Vill.-Mohtara, Teh.-Bajag, Dindori (M.P.)-481882. Mohtara Metal Stone Mining Quarry Lease Area - 1.00 Ha., Capacity - 7,422 cum/year, at Khasra No.-69/2, 69/3, 83/1, 83/2, Vill.-Mohtara, Teh.-Bajag, District-Dindori (M.P.)**

This is case of **Mohtara Metal Stone Mining Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-69/2, 69/3, 83/1, 83/2, Vill.-Mohtara, Teh.-Bajag, District-Dindori (M.P.) 1.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.212, dated: 07/04/2015, has reported that there is 01 more mines operating or proposed within 500 meters around the said mine and Total Area-3.00 ha.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure :-Aø

1. Production of Stone not exceeding 7,422 cum/year as per mine plan.

18. Case No. – 2935/2015 Shri Abdulhafiz S/o Shri Ramjani Ji, Near Jama Masjid Garoth, Mandsaur (M.P.)-458880. River Sand Quarry Lease Area-18.00 Ha., Capacity -1,50,000 cum/year, at Khasra No.-Banjari 1, Banjari A 108, Banjari B 108, Banjari C-2, Amlı 443, Vill.-Banjari & Amlı, Teh.-Garoth, District-Mandsaur (M.P.)

This is case of **River Sand Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located, at Khasra No.-Banjari 1, Banjari A 108, Banjari B 108, Banjari C-2, Amlı 443, Vill.-Banjari & Amlı, Teh.-Garoth, District-Mandsaur (M.P.) 18.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.654, dated: 01/05/2015, has reported that there is no more mines operating or proposed within 1000 meters around the said mine.

As per the record submitted, it was observed that it was group comprising of four mines all at distant locations. However, it has been sanctioned as one unit by the mining department. PP has submitted single mining plan for all four mining sites.

As environmental appraisal is site specific, the proposal can not be appraised in the present form. The committee was of the view that PP has to submit mine plan, including EMP and other relevant documents separately for each site. The proposal is, therefore, returned to SEIAA.

19. Case No. – 2985/2015 Shri Pramod Sonpali, Vill.-Samnapur, Teh. & District-Dindori (M.P.)-481778. Jhanki Metal Stone Quarry Lease Area - 1.00 Ha., Capacity - 8,000 cum/year, at Khasra No. – 303, Vill.-Jhanki, Teh.-Dindori, District- Dindori (M.P.)

This is case of **Jhanki Metal Stone Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. ó 303, Vill.-Jhanki, Teh.-Dindori, District- Dindori (M.P.) 7.31 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.211, dated: 07/04/2015, has reported that there is 03 more mines operating or proposed within 500 meters around the said mine and Total Area-6.65 ha.

After deliberation and presentation, it was observed that existing features are not mentioned on surface plan being an old mine and having crusher installed, surface plan should have such details. PP was asked to get the revised surface plan duly approved by the mining department.

20. Case No. - 3052/2015 Shri Atul Gondal, Manager, M/s S.R. Traders, Rudra Enclave, Front of Banglow, Malakhedi Road, Hoshangabad (M.P.)-461001. Sand Quarry Lease Area - 5.193 Ha., Capacity - 1,03,860 cum/year at Khasra No.-1217 & 893, Vill.-Harri Barri, Teh.-Anuppur, District-Anuppur (M.P.)

This is case of **Sand Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-1217 & 893, Vill.-Harri Barri, Teh.-Anuppur, District-Anuppur (M.P.) - 5.193 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.525, dated: 15/04/2015, has reported

that there is no more mines operating or proposed within 1000 meters around the said mine.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Bø

1. Production of Sand not exceeding 1,03,860 cum/year as per mine plan.
2. Four railway bridges are in vicinity of ML area. Thus PP should leave 200 meters as safe distance from the ML area.

21. Case No. - 3056/2015 Shri Shiv Kumar Bansal, Manager, M/s A & A Enterprises, 15/978, Rudra Enclave, Front of Collector Banglow, Malakhedi Road, Hoshangabad (M.P.)-461001. Sand Quarry Lease Area - 5.200 Ha., Capacity - 16,000 cum/year at Khasra No.-01, Mohara, Teh.-Raipura, District-Panna (M.P.)

This is case of **Sand Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-01, Mohara, Teh.-Raipura, District-Panna (M.P.) - 5.200 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.966, dated: 27/05/2015, has reported that there is no more mines operating or proposed within 1000 meters around the said mine.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Bø

1. Production of Sand not exceeding 16,000 cum/year as per mine plan.
2. A bridge is in vicinity of ML area. Thus PP should leave 100 meters as safe distance from the ML area.

22. **Case No. - 3097/15 - Shri Nilesh Batukle S/o Shri Suresh Rao Batukale, Brahmanwada, Teh.-Chandurbazar, Amravati (MH)-44460. Prior Environment Clearance for approval of Ainkhedi Stone Quarry in Lease Area -1.250 ha. Capacity-14,250 cum/year at Khasra No.-315/1 & 315/3 (Part) Vill.-Ainkhedi, Teh.-Athner, District-Betul (MP)**

This is case of **Ainkhedi Stone Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-315/1 & 315/3 (Part) Vill.-Ainkhedi, Teh.-Athner, and District-Betul (MP) 1.250 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.152, dated: 09/02/2015, has reported that there is no more mines operating or proposed within 500 meters around the said mine.

After presentation and deliberations, it was observed that surface plan is not approved by the mining department. Thus PP was asked to get the surface plan approved by the mining department.

23. **Case No. - 3098/15 - Shri Arun Tiwari S/o Late Shri Chandra Gopal Tiwari, Station Road, Barbatpur, Shahpur, Betul (MP)-460440. Prior Environment Clearance for approval of Jampani Stone Quarry in Lease Area -1.214 ha., Capacity -9,500 cum/year at Khasra No.-42/1, & 43/3, Vill.-Jampani, Teh.-Shahpur, District-Betul (MP)**

This is case of **Jampani Stone Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-42/1, & 43/3, Vill.-Jampani, Teh.-Shahpur, District-Betul (MP)1.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO.

Concerned Mining Officer vide letter no.114, dated-31/01/2015, has reported that there is no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. During scrutiny of documents it was observed that DFO vide letter no. 7098 dated 07/08/2014 has not recommended the case as it is located within the 5 Km. radius of Pachmari Biosphere Reserve. After deliberations committee decided that since the DFO has not recommended, the case may not be considered for the grant of EC.

24. Case No. – 3110/2015 Shri Satish Jat S/o Shri Ramesh Jat, 65, Saravsuidh Nagar, Bicholi Road, Behind Jwala Mata Mandir, Indore . Crusher Stone Quarry Lease Area - 3.00 Capacity - 18,000 cum/year, at Khasra No.-198/1/1, Vill.-Matlabpura, Teh.-Mhow, District-Indore (M.P.)

This is case of **Crusher Stone Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-198/1/1, Vill.-Matlabpura, Teh.-Mhow, District-Indore (M.P.) 3.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.31, dated: 14/01/2015, has reported that there is 07 more mines operating or proposed within 500 meters around the said mine and Total Area-14.650 ha.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure ÷Aø

1. Production of Stone not exceeding 18,000 cum/year as per mine plan.

25. Case No. – 3159/2015 Shri Manish Bindal S/o Late Shri Santosh Kumar Bindal, E-7/18-B, Lala Lajpat Rai Society, Arera Colony, Bhopal (M.P.)-462016. Stone Quarry Lease Area - 2.250 Capacity - 3,200 cum/year, at Khasra No.-236, Vill.-Shahpur & Kuthar, Teh.-Huzur, Dist-Bhopal (M.P.)

This is case of **Stone Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-236, Vill.-Shahpur & Kuthar, Teh.-Huzur, Dist-Bhopal (M.P.) - 2.250 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.635, dated: 11/05/2015, has reported that there is 01 more mines operating or proposed within 500 meters around the said mine and Total Area-4.889 ha.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure :-Aø

1. Production of Sand not exceeding 3,200 cum/year as per mine plan.

26. Case No. 820/2012 M/s. Naman Equipments & Construction (India) (P) Ltd., 115, Diamond Trade Centre, Diamond Colony, Indore. Residential & Commercial Project “Nariman Point” Village – Pipliya Kumar, Tehsil & Distt. Indore (M.P.)

This is a building construction project proposed in a plot area of 18.89 hectare with total built-up area of 25,132.62 Sq.mt. The project requires prior EC under the provisions of EIA Notification 2006 & its amendments as it is mentioned at S.N. 8 (a) of the schedule of the said notification. The case was forwarded by the SEIAA to SEAC for appraisal.

Features of the project:

Railway	Indore Railway Station is about 8.5 km away from the site.
Road	Nearest Highway is NH-3 at a Arial distance of 1.2 Km away from the site.
Airport	Devi Ahillyabai Holkar Airport is approx. 16km away from the site.
Nearest Fire Station	Nearest fire station is 9.0 Km away from the site.

Area Statement:

Total land area	= 18890.00 sq.mt (1.889 hect)
Area under road widening	= 600.00 sq.mt
Net land area = 18890-600	= 18290.00 sq.mt
Green area	=1,829 sq.mt (10.0 %).
Proposed extra green area	= 2011.9 sq.mt(11 %)
Ground coverage	= 5487.00 sq.mt (30%)

Salient feature of the project

Total Area of the Plot	: 18890.00 SQ. MT (1.889 HECT)
Proposed Built Up Area	: 25132.62 sq.m.
Land Use	: Residential & Commercial
Total No. Of Units	: 684 flats (3 BHK: 252 nos., 2 BHK: 264 nos., 1BHK: 132 nos., EWS: 36 nos. Commercial Shop: 5 nos. and a Club house.
Total Number of Blocks	: 8
Maximum height of the building	:18 M (P+6)
Total Water Demand	: 548 KLD
STP Capacity	: 381 KLD for Residential
Solid Waste Generation	: 1.752 TPD
Power Demand	: 1.787 MW (1787.6 KW.)
Back Up Source	: 137 KW, 1 x 171.2 KVA

The case was presented in 104th SEAC meeting 28/09/2012. The presentation was made by the PP and his consultant. After deliberations PP was asked to submit response to the following queries raised by the committee:

1. A letter from TNCP & Municipal Corporation to be furnished stating that the permissions issued by these departments have been transferred in name of the present proponent of the project.
2. An affidavit has to be provided stating that all rights have been transferred to M/s Naman Equipments & Construction (India) Pvt. Ltd.
3. Memorandum of Article as Registered Private Company to be furnished.

4. Specification of MSW storage facility with provision to hold the MSW at least for 48 hours to be furnished.
5. Ground water recharging has been proposed in the project; in this context figures and calculations for net recharge / net drop-down to be furnished based on the hydro-geology of the region.
6. Car parking space has to be re-calculated comparing the norms of CPCB and State authority.
7. Water supply from ground as well as from Municipal Corporation has been opted in the project; in this context PP is required to submit permission from CGWA as well as from Indore Municipal Corporation along with the time line for completion of Narbada water scheme.
8. Locations of STP, MSW storage area and bins have to be relocated such that the transfer of wastes can be facilitated with minimum disturbance to the residents of the township.
9. Provision for play ground has to be explored and furnished.
10. Provision of corpus funds for O & M of STP and other environmental issues has to be made in the project.

PP has submitted the reply of above quarries vide their letter dated 08/04/2013. As the case was pending since long, SEAC in its 169th meeting dated 27/01/15 recommended the case for delisting.

SEIAA vide letter no. 1530 dated 01/06/15 asked that whether the query reply submitted by PP was considered in any of the meetings. The case was placed for the discussion in this meeting but 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. The PP may therefore be given another opportunity to present his case failing which the case may be recommended for delisting.

Dr. R. B. Lal
Chairman