

The 368th meeting of the State Expert Appraisal Committee (SEAC) was held on 02nd May, 2019 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Dr. Sonal Mehta, Member.
4. Shri Prashant Srivastava, Member.
5. Dr. Jai Prakash Shukla, Member.
6. Dr. R. Maheshwari, Member.

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

1. **Case No. - 5647/2018 M/s V.S. Industries, Shri Vihar Colony H.No. 2, Infront of Sagartalk Road, Bahodaur, Gwalior, (M.P.) Prior Environment Clearance for Proposed Clinker Grinding Processing Unit at Plot No. – F6 and F11 of Industrial Area, Jaderua, Distt. - Morena, (M.P.) Capacity – Clinker Grinding Processing Unit – 60,000 MT/Annum (Cement Production). Cat. 3(b) Cement Plants Project. Environment Consultant-In Situ Enviro Care.**

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 standalone grinding unit and hence requires prior EC from SEIAA before commencement of any activity at site. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

The project is proposed in the at Industiral area – Jaderua, Distt. - Morena, (M.P.).The application pertaining to EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. Project proponent and his consultant presented the salient features of the project, PFR, baseline data and the proposed TOR before the committee. The presentation and the submissions made by the PP reveals following:

SALIENT FEATURES OF PROJECT

S.No.	Particulars	Details
1	Name of the project	Proposed Clinker Grinding Processing Unit
	Location:	Plot No. F-6 and F-11 of Industrial Area, Jaderua, Distt. - Morena, (M.P.)
2	Name of the Company,	M/s V.S. Industries
	Address	Shri Vihar Colony H. No. 2, Infront of

		Sagartalk Road, Bahodaur, Gwalior, (M.P.)	
	Tele No.	9329478488	
	E-mail :	viabhavshrivastava1978@gmail.com	
3	Latitude and Longitude of the project.	26°25'22.74"N, 78° 1'36.45"E 26°25'23.53"N, 78° 1'36.98"E 26°25'24.78"N, 78° 1'34.88"E 26°25'23.94"N, 78° 1'34.35"E	
4	If a Joint venture, the names & addresses of the JV partners including their share.	N.A. We have been allocated land by Industrial Infrastructure Development Corporation (Gwalior) M. P. Ltd. in its Industrial Area meant for setting up of Polluting Industries.	
5	Project brief: nature of proposal (new/expansion,)	New	
	Total area - land use	Total plot area: 2039.22 Sq.Mt. (0.2039 Hect.)	
	Project components		
		Covered	824.7010842
		Open	336.4951365
		Green Belt	878.0274807
		Total	2039.223701
		Machine Shed	278.7093897
		Finish Product Shed	464.5156495
6	Cost of the project	Rs. 184 Lakhs	
7	Whether the project is in Critically Polluted area.	No	
8	If the project is for EC under EIA Notification, 2006	Yes	
	a) For the first time appraisal by EAC	Yes	
	(i) Date of ToR:	(i) To be considered on 23.03.2018	
	(ii) Date of Public Hearing, location	(ii) Not Applicable, As the land falls under Notified Industrial Area, Jaderua, Morena (M.P.)	
	(iii) Major issues raised during PH and response of PP	(i) Not Applicable, As the land falls under Notified Industrial Area, Jaderua, Morena (M.P.) (ii)	
	b) Second appraisal	N.A.	
	(i) Date of first /earlier appraisal		
	(ii) Details of the information sought by the EAC with the response of the PP.		
9	If the project involves diversion of forest land	NO	
	(i) extend of the forest land	Not Applicable. Not Applicable.	

	(ii) status of forest clearance.	
10	If the project falls within 10 km of eco-sensitive area	No
	(i) Name of eco- sensitive area and distance from the project site,	Project does not fall under eco-sensitive area.
	(ii) status of clearance from National Board for wild life	Not Applicable.
11	Waste Management	Zero Discharge from the Plant, solid/liquid wastes.
	(i) Water requirement, source, status of clearance	
	(ii) Waste water quantity, treatment capacity, detail	(ii) Dry Process based unit.
	(iii) Recycling / reuse of treated water and disposal	Not Required.

	(iv) Solid Waste Management	Not Required.
	(v) Hazardous Waste Management	No.
12	Other details	(i) N.A.
	(i) Noise Modelling with noise control measures for airports	
	(ii) Details of water bodies, impact on drainage if any	(ii) No water bodies passing through the project area
	(iii) Details of tree cutting	Not Required.
	(iv) Energy conservation measures with estimated saving	Energy Efficient equipments for auxiliary,/ minor operations will be used. The project planning is under process all standards measures will be taken for the energy conservation.
	(v) Green belt development (20 % of construction projects and 33 % for others)	Green Area - 878.02 Sq.mt. (43% of total area)
	(vi) Parking requirement with provision made	Not Required.
13	If the project involves foreshore facilities	N.A.
	(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	

14	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 (iii) location of intake / outfall. Quantity, (iv) detail of monitoring at outfall (v) Any other relevant information:	N.A.
15	Other information (i) Investment/Cost of the project	Rs.184 Lakhs
	(ii) Employment potential	10 Nos.
	(iii) Benefits of the project	<ul style="list-style-type: none"> Project will provide employment opportunities, both direct and indirect, thus improving the economic status of the villagers. Improved communication & education facilities to local community.
16	Date of Ground water clearance:	N.A.
17	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost.	CSR implementation budget would be 2% of the annual average profit of the project. EMP Capital Cost Rs. 12,00,000/- (Dust Extraction System with Bag Filter, Automatic Monitoring facilities etc.) & Recurring Cost Rs. 4,00,000/-
18	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions.	Details are given below.
	Green Area	878.02 Sq.mt.
	Additional Green Area (Periphery of the project premises)	=196 X 1 = 196 M.
	No. of trees in Green Area = Periphery of Green Area/ Gap in M. X Dual Row= Total No. of trees	=63.56 Sq.mt./ 5 X 2 = 25 Nos.
	Trees on Periphery of the project = Periphery of Green Area/ Gap in M. X Dual Row= Total No. of trees	=196 M. / 5 X 2 = 78 Nos.

Species of proposed trees		
<i>Gravillea robusta</i> (Silver Oak), <i>Casuarina equisetifolia</i> (Casuarina), <i>Polyalthia longifolia</i> (Ashok), <i>Dendrocalmus strictus</i> (Bamboo), <i>Azardirachta indica</i> (Neem), <i>Dalbergia Sissoo</i> (Sheesham), <i>Mangifera indica</i> (Mango), <i>Delonix regia</i> (Gulmohar), <i>Cassia fistula</i> (Amaltas), <i>Phyllanthus emlica</i> (Amla), <i>Pongamia pinnata</i> (Karanj), <i>Prosopis cineraria</i> (Khejri), <i>Terminalia arjuna</i> (Arjun), <i>Terminalia bellerica</i> (Baheda), <i>Ziziphus mauritiana</i> (Ber), <i>Nerium oleander</i> , <i>Thevetia peruviana</i> , <i>Nerium indicum</i> (Kaner)		
Budgetary provision for plantation approximately Rs. 25,000/-		
1 9	Any river/Nallha flowing near or adjacent to the proposed project. If yes, please give details.	No water bodies passing through the project area.

The case was presented by the PP in 309th SEAC meeting dated 23/03/2018 for issuing of TOR to carryout EIA studies with site specific details. Committee after deliberations recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. NOC from Gram Sabah should be obtained and annexed with the EIA report.
2. Ambient Air Quality Monitoring Stations should be located in all the villages which are within 01 kms radius of the project site and incremental GLC should be predicted in all such villages.
3. Concerned Regional Officer, MP Pollution Control Board must be informed about the monitoring locations and monitoring should be carried out under intimation to him.
4. In EIA study the mode of transportation, storage of fly ash, all raw materials and products should be discussed along with their impacts.
5. Hydro geological studies should be carryout and reported in the EIA report.
6. Public Hearing to be carried out as per the MoEF&CC, OM J-11013/36/2014/1 A-I dated 04/04/2016.
7. Protection Plan for surface run off should be discussed in EIA report.
8. 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.
9. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
10. 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.
11. 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.

12. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
13. The EIA document shall be printed on both sides, as far as possible & all documents should be properly indexed, page numbered.
14. Period/date of data collection should be clearly indicated.
15. The letter /application for EC should quote the SEIAA file No. and also attach a copy of the letter prescribing the TOR.
16. 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.
17. 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.
18. Grant of TOR does not mean grant of EC.
19. 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.
20. 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.
21. 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.

PP has submitted the EIA report vide letter dated 15/04/2019, which was forwarded by the SEIAA vide letter no. 313 dated 23/04/19 which was placed before committee.

EIA was presented by the PP and their consultant. After presentation, PP was asked to submit response on following:

1. Revised plantation details with proposal for four rows of plantation all along periphery as suggested during presentation.
2. Undertaking from PP that they will explore the possibility of using renewable source of energy.

3. Mass balance chart of the products.
4. Ornoqram of environmental management cell.
5. Revised CER by adding distribution of furniture in schools, awareness camp for traffic rules.
6. Revised EMP by adding budget for solar lights, RWH pits and reassess the cost of bag filter in capital expenditure.
7. Revised number of proposed fire extinguishers.
8. Results of all the heavy metals are to be annexed as present analysis shows results of Iron and Zinc only.
9. Analysis of heavy metals in soil samples are to be done and results are to be annexed.

2. **Case No. - 3324/2015 Shri Ajay Kumar Tiwari, E.E MPH & IDB Dn No.4, Satellite Plaza, 1st floor, Avodhya Nagar, Bhopal M.P.-462041. Prior E.C for Proposed Group Housing Scheme at Khasra No. -57, 58, 59, 60, 69, 70 ,Vill.- Khajuri Kalan, Bhopal, (M..P.) Total Plot Area - 105622.13sq.m. Build up Area - 1,27,368.94 sq. meter, Area development project-For-Building Construction. Env Consultant:Insitu Envirocare, Bhopal.**

PROJECT OVERVIEW

<u>Project Name</u>	<u>Group Housing Scheme, Khajuri Kalan , Bhopal</u>							
<u>Population (no.)</u>	<u>6,630</u>							
<u>Land Requirement (in m²)</u>	<u>Plot Area</u>	<u>Ground Coverage</u>	<u>Green Area</u>	<u>Sub Station</u>	<u>Road</u>	<u>Parking</u>	<u>Incident al Open Space</u>	<u>Area under Nala and DP road</u>
	<u>1,05,622.13</u>	<u>25,472.82</u>	<u>11,827.02</u>	<u>946.82</u>	<u>18,730.9</u>	<u>8,559.5</u>	<u>33,322.70</u>	<u>6,762.35</u>
<u>Built-up Area (in m²)</u>	<u>FAR</u>		<u>Non-FAR</u>				<u>Total</u>	
	<u>1,33,410.0</u>		<u>94,688.4</u>				<u>2,28,098.4</u>	
<u>Total units (no.)</u>	<u>1,326 Dwelling units and 45 Shops</u>							
<u>Proposed Parking (ECS)</u>	<u>1,329 ECS</u>							

<u>Water Requirement</u>	<u>Phases</u>	<u>Fresh Water in KLD</u>	<u>Treated Water in KLD</u>	<u>Total Water in KLD</u>
	<u>Construction</u>	<u>10</u>	<u>379</u>	<u>389</u>
	<u>Operation</u>	<u>468.7</u>	<u>533.9</u>	<u>1,002.6</u>
<u>STP</u>	<u>960 KLD based on FAB Technology (1x310 KLD + 1x150KLD + 1x375 KLD)</u>			
<u>Solid Waste Generation</u>	<u>4,782 kg/day</u>			
<u>Power Requirement</u>	<u>250 kVA (construction phase); 10,566 kVA (operational phase), M.P State Electricity Board</u>			
<u>Emergency Power Back-up</u>	<u>Through DG sets (3*2000 kVA + 4*1000 kVA)</u>			

AREA STATEMENT

FAR Details		
Description		Area (m²)
Permissible FAR	1.31	1,38,610.3
Proposed FAR	1.26	1,33,410.0
Residential		1,27,197.5
Convenient Shopping		1,705.9
Club House		1,401.6
Amenities (Nursing Home)		3,105.0
Non FAR		94,688.4
Service Areas		22,717.5
Basement Area		37,827.5
Stilt Area		16,715.6
LMR, OHT and Dome		5,280.0
Balcony Area		12,147.8
Total Built-up Area		2,28,098.4

S.no	Description	% age	Area (m²)

	Total Plot Area	100	1,05,622.10
	Permissible Ground Coverage	30.0	31,687.00
1	Proposed Ground Coverage	24.1	25,472.82
	<i>Residential High Rise</i>	-	14,143.00
	<i>Residential Row House</i>	-	4,468.50
	<i>Convenient Shopping</i>	-	4,278.45
	<i>Club House</i>	-	1,837.67
	<i>Amenities (Nursing Home)</i>	-	745.20
2	Landscape Area	11.2	11,827.02
3	Road Area	17.7	18,730.90
4	Open Parking Residential	5.9	6,208.36
5	Open Parking Commercial	2.2	2,351.16
6	Sub-Station	0.9	946.82
7	Nallah	1.4	1,496.25
8	DP Road	5.0	5,266.10
9	Incidental Open spaces	31.5	33,322.70

POPULATION DETAILS

<u>Description</u>	<u>Rate</u>	<u>Unit</u>	<u>Values</u>	<u>Population</u>
Residential High Rise	@ 5pph	No	1,276	6,380
Row Houses	@ 5pph	No	50	250
Commercial	1person/10 m ²	m ²	1,705.9	171
Visitors	10 % of Total Population	No	6,630	663
Service Staff	1person/1000 m ²	m ²	2,28,098	228
Total Population				7,692

The case was scheduled for the presentation of EIA in the 279th SEAC meeting dated 02/07/2016 wherein the PP and their consultant were present. During the presentation it was observed by the

committee that fresh water demand for this project will be 470 KLD. After the presentation, PP was asked to submit details on following for further consideration of the project:

1. Details of 152 KLD of water mentioned as miscellaneous and revised water balance should be submitted incorporating the demand for fresh water swimming pool.
2. Complete dimensions of proposed FAB based STP's including the capacities of holding tanks for equalization and treated waste water along with details of FAB reactors proposed in three individual STP's.
3. Measures proposed to reduce water consumption in the project.
4. A nursing home is also proposed in the project thus PP should provide the estimated volume of Bio-medical waste generated from this unit and its management plan.
5. A nallah is bisecting the project thus PP was asked to provide protection measures proposed for this nallah and details of inter block assessability over the nallah.
6. Specific mitigative measures proposed to reduce incremental PM2.5 and PM 10 for this project.
7. Revised parking plan with sector wise details.
8. Plantation layout on the map for proposed 450 trees with details of rational of choosing their specific species number.

PP has submitted the reply vide their letter dated 27/09/2016 and the case was scheduled for the presentation in 282nd SEAC meeting dated 10/10/2016. The case was presented by the PP and their consultant wherein the EMP and other submissions made by PP were found adequate and satisfactory thus the case is recommended for grant of prior EC subject to the following special conditions:

1. Fresh water requirement for the project shall not exceed 470 KLD.
2. The excess treated water will be used for watering of municipal road side green area or efforts shall be made to supply this water to the construction sites for use in the construction works.
3. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 450 no of trees will be planned in residential area. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
4. STP sludge shall be filter-pressed and the de-watered sludge shall be disposed off with the MSW.

5. PP should provide additional equalization tank in proposed STP to enhance the retention time by at least 16 hours.
6. Power back-up for un-interrupted operations of STP shall be ensured.
7. CFL/LED should be preferred over of tube lights.
8. Fund should be exclusively earmarked for the implementation of EMP.
9. MSW storage area should have 48 hours storage capacity.
10. Dual plumbing should be provided.
11. Provision for physically challenged persons be made so that they easily excess pathway/derive way for their vehicles.
12. 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.
13. PP will obtain other necessary clearances/NOC from respective authorities.
14. PP will comply with all the commitments made in by the letter dated 27/09/2016.

SEIAA vide letter no 2581 dated 08/03/2019 has forwarded this case file to SEAC by stating that:

“The case was discussed in depth and it is noted that the prior EC issued vide letter dated 13.12.16 was for the built-up area of 228098.4 sq.m however vide letter 30.01.19 PP has informed that in new planning the built- up area of the project will be reduced upto 100729.46 sq.m i.e. 1,27,368.94 sq.m.It is decided that the case may be referred to SEAC for appraising the changes, if any, in the environment impacts and prior EC conditions with respect to change in water requirement, waste water discharge, MSW, parking area, green area, road width, etc due to reduction in the built-up area”.

The case was scheduled for the presentation in 354th SEAC meeting dated 28/03/2019, 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. Committee decided to call the PP in subsequent meetings.

The case was presented by the PP and their consultant wherein it was recorded that prior EC issued vide letter dated 13.12.16 was for the built-up area of 228098.4 sq.m however vide letter 30.01.19 PP has informed that in new planning the built- up area of the project will be reduced upto 100729.46 sq.m i.e. 1,27,368.94 sq.m.After presentation and discussion PP was asked to submit following informations:

1. Explore the possibility of Bio-toilets during construction phase.

2. Revised CER as per O.M of MoEF&CC F.No. 22-65/2017-IA.III dated 01/May/2018
3. Revised plantation scheme as suggested by committee.
4. Revised parking area details

PP vide letter dated 02/05/2019 submitted reply of the above query. The query reply was presented by the PP and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior E.C for Proposed Group Housing Scheme at Khasra No. -57, 58, 59, 60, 69, 70, Vill. - Khajuri Kalan, Bhopal, (M.P.) Total Plot Area – 1,05,622.13sq.m. Build up Area - 1,27,368.94 sq. meter, Area development project. Category: 8(a) Building & Construction Project subject to the following special conditions and NBWL clearance:

I. Statutory Compliance

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- iii. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.
- iv. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- v. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- vi. All other statutory clearances such as the approvals for storage of diesel from Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- vii. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016 and the Plastics Waste (Management) Rules, 2016 shall be followed.
- viii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.

II. Air Quality Monitoring and preservation

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF & CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. Total Power Requirement for the proposed project is 250KVA for construction phase and 10,566 KVA for operational phase (from MPEB).
- v. Diesel power generating sets proposed during construction phase of Capacity – 1 X 150 KVA and for operational phase 1 X 1000 KVA+ 1 X 630KVA + 1 X 825 KVA as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG Sets should be equal to the height needed for the combined capacity of all proposed DG sets. Low sulphur diesel shall be used on DG Sets. The location of the DG sets may be decided with in consultation with MP Pollution Control Board.
- vi. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vii. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- viii. Wet jet shall be provided for grinding and stone cutting.
- ix. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- x. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- xi. The gaseous emission from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.

- xii. For indoor air quality, the ventilation provisions as per National Building Code of India shall be provided.

III. Water quality monitoring and preservation

- i. The natural drain 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 (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii. Total fresh water use shall not exceed 570.18 KLD, and treated water available for reuse 139.23KLD.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be monitored and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. PP should explore the possibility of providing water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. Rain water harvesting recharge pits 3 nos. shall be provided for ground water recharging as per the CGWB norms.
- xii. All recharge should be limited to shallow aquifer.

- xiii. No ground water shall be used during construction phase of the project.
- xiv. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xv. Sewage (502 KLD) shall be treated in the STP 610 KLD based on Fluidized Aerobic Bed Reactor (FAB) Technology. The sludge will be used as manure in landscaping areas.
- xvi. No sewage or untreated effluent water would be discharged through storm water drains.
- xvii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problems from STP.
- xviii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitoring during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. Acoustic enclosures for DG sets noise barriers for ground run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures.

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Building in the State which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Energy conservation measures like installation of LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

- iv. Solar, wind or other Renewable Energy shall be installed in meet electricity generation equivalent to 1% of the demand load or as per the state level/local building bye-law's requirement, whichever is higher.
- v. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power.

VI. Waste Management

- i. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- ii. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (4782 kg/day) shall be segregated into wet garbage and inert materials.
- iii. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- iv. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the MP Pollution Control Board.
- v. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- vi. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- vii. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- viii. Used CFLs, TFLs and other e-waste should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid contamination.

VII. Green Cover

- i. Not tree can be felled/transplant unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department.
- ii. 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 plantation scheme minimum of 750 no's of trees to be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

- iii. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iv. The 2485 hectare (7.6%) of total area shall be provided for green belt development as per the details provided in the project document.
- v. As proposed, the green belt development / plantation activities should be completed within the first three years of the project and the proposed species should also be planted in consultation with the forest department.
- vi. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stack plied appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

VIII Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points.
 - d. Parking norms as per local regulation.
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Parking's for 596 ECS as proposed by PP out of which 95 are Surface parking, 243 Cars in Podium, &258 Cars for stilt parking.
- iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

IX. Human health issues

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation, provisions as per National Building Code of India shall be provided.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implementation.
- iv. Provision shall be made for the housing of construction labor 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 structures to be removed after the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

X. Corporation Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated: 1st May 2018, as applicable, regarding Corporate Environment Responsibility. PP has proposed 1.5% of project cost for CER which is as follows:

Phase-I	35% of total CER budget	1. Improvement of surrounding infrastructure like road and drains. 2. Avenue plantation in neighborhood colonies. 3. Road side plantation.
Phase-II	30% of total CER budget	
Phase-III	35% of total CER budget	

- ii. In the EMP PP have proposed Rs. 127 lakh/year as capital cost and 41.10 lakh/year for recurring expenses.
- iii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The Environmental policy should prescribe for standard operating procedures to have proper checks and balance and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the Environmental/forest/wildlife

norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six monthly reports.

- iv. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- v. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

XI. Miscellaneous

- ii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- iii. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- iv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

3. **Case No. - 5687/2018 Chief Executive Officer, Jabalpur Development Authority, 7A, Circle Center, Marahacal, Jabalpur, (M.P.) – 482002. Prior Environment Clearance for Proposed Residential cum Commercial Scheme No. - 65 at Village - Basha, Kachnari, Mohania and Garha, Jabalpur (M.P.) Plot Area – 951621.33 sqm. Area under College & Railway Boundary – 40,000 Sqm., Net Plot Area – 911621.33 sqm., Total No. of Plotted Housing Plots/DU's – 2166, Total No. of Group Housing DU'S- 2318. Cat. - 8(b) Township and Area Development Projects. Reference No. for online tracking of project Details SIA/MP/NCP/22247/2017. Env. Con. – Ind. Tech House Consult, Delhi.**

This is case of Prior Environment Clearance for Proposed Residential cum Commercial Scheme No. - 65 at Village - Basha, Kachnari, Mohania and Garha, Jabalpur (M.P.) Plot Area – 951621 sqm. Area under College & Railway Boundary – 40,000 Sqm., Net Plot Area – 911621.33 sqm., Total No. of Plotted Housing Plots/Du's – 2166, Total No. of Group Housing DU'S - 2318. Cat. - 8(b) Township and Area Development Projects.

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

EXECUTIVE SUMMARY

1. Name of the Project & its location: This is plotted development project, Proposed Residential cum Commercial Scheme No. 65 at Village Basha, Kachnari, Mohania & Garha of Jabalpur Development Authority, Jabalpur, M.P is being developed by Jabalpur Development Authority having registered address 7A, Circle Center, Marhatal, Jabalpur.

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

Jabalpur Development Authority
7-A, Marhatal, Civic Center, Jabalpur,
Madhya Pradesh - 482 001.
Tele. No: 076124 04590.
E-mail: ceojda@gmail.com

3. Latitude & Longitude of the project: The latitude and longitude of the project of plot boundary follows:

S.NO.	Latitude	Longitude
A	23°10'44.89"N	79°53'30.28"E
B	23°10'51.88"N	79°53'28.37"E
C	23°10'57.51"N	79°53'29.37"E
D	23°10'58.21"N	79°53'25.45"E
E	23°10'53.44"N	79°53'19.14"E
F	23°10'54.25"N	79°53'11.28"E
G	23°11'6.23"N	79°53'6.47"E
H	23°11'7.30"N	79°52'48.28"E

I	23°10'48.03"N	79°52'42.92"E
J	23°10'45.68"N	79°52'44.82"E
K	23°10'31.68"N	79°53'20.89"E

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

NA

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

This is plotted development project, Proposed Residential cum Commercial Scheme No. 65 at Village Basha, Kachnari, Mohania & Garha of Jabalpur Development Authority, Jabalpur, M.P for all sections of society including Economic Weaker Section (EWS) & Low Income Group (LIG). The group housing project (EWS & LIG) will be developed separately and separately EC will be sought. Total plot area of the proposed development is 9,51,621.33 Sqm. area. Area under College & Railway boundary() to be deducted is 40,000 Sqm. Net plot area available is 9,11,621.33 Sqm.

The site is proposed to be connected to NH-7: 1.37 KM (West) and SH-37A: 1.70 KM (North).

6. Cost of the project:

The total cost of the project is 69 Crores.

7. Whether the project is in Critically Polluted area. NA

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

a) For the first time appraisal by EAC

(i) Date of ToR: Standard TOR for the project was granted by MoEF&CC vide letter no. 21-245/2017-IA-III dated 7th Sep 2017.

(ii) Date of Public Hearing, location: NA

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

b) Second appraisal

(i) Date of first /earlier appraisal : NA

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

9. If the project involves diversion of forest land

- (i) Extend of the forest land: NA
- (ii) Status of forest clearance: NA

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

- (i) Name of eco- sensitive area and distance from the project site: Not within 10 KM
- (ii) status of clearance from National Board for wild life: NA

11. Waste Management

(i) Water requirement, source, status of clearance: Total water demand of the project is 1,928 KLD out of which the fresh water demand will be 1,018 KLD and sourced by Nagar Palika Nigam, Jabalpur. Treated water will be met through on site STP.

(ii) Waste water quantity, treatment capacity, detail: Total waste water generated from the project is 1,389 KLD, which will be treated on site STP (SBR design) having capacity of 1,700 KLD. Group Housing plots will have their own STP, Waste collection/ Treatment system.

(iii) Recycling / reuse of treated water and disposal: 910 KLD recycled waste water will be used for flushing and green belt development and rest 201 KLD treated water will be discharged into public sewer.

(iv) Solid Waste Management: 4.99 TPD solid waste will be generated from the proposed project and will be disposed through Nagar Nigam Jabalpur.

(v) Hazardous Waste Management: 0.12 l/day hazardous waste will be generated from the DG operation and will be disposed through authorized vendor.

12. Other details

- (i) Noise Modeling with noise control measures for airports: NA
- (ii) Details of water bodies, impact on drainage if any: NA

- (iii) **Details of tree cutting:** Involved (Tree cutting survey not done)
- (iv) **Energy conservation measures with estimated saving:** Solar energy will be used for Street and parks lighting.
- (v) **Green belt development (20 % of construction projects and 33 % for others):** As this is plotted development project, 10.52% of entire plot area will be considered for green belt area development as per the norms.
- (vi) **Parking requirement with provision made:**

13. If the project involves foreshore facilities

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

14. If the project involves Marine disposal

- (i) NOC from PCB in case of marine disposal: NA
- (ii) details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters 9: NA
- (iii) location of intake / outfall. Quantity: NA
- (iv) detail of monitoring at outfall: NA
- (v) Any other relevant information: NA

15. Other information

- (i) Investment/Cost of the project is Rs. 69 (in crore).
- (ii) Employment potential: About 100 labors will be employed during the construction of the project.

(iii) Benefits of the project:

- Improvement in the social infrastructure;
- Improvement in the physical infrastructure;
- Employment potential - skilled; semiskilled;
- Other tangible benefits unskilled.

16. Date of Ground water clearance: NA

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

EMP cost of the project during operation phase are following.

S. No.	Component	Capital Cost in Lacs	Recurring Cost in Lacs
1	STP 1700 KLD	120 L	20 L
2	RWH 130 Pits	260 L	13 L
3	Horticulture, Tree/ Shrubs/ Lawn 23.5 Acres	56.4 L	15 L
Total		4.36 Cr.	48 L

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

Landscape plan is still under process

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

Storm water drain of Municipal Corporation is adjacent to the proposed project.

The case was presented by the PP and their consultant in 316th SEAC meeting dated 19/06/2018, wherein during presentation PP was unable to provide clear details regarding which part of the scheme is covered under the EC and areas which are not part of this application. After presentation, PP was asked to submit information on following and also to again represent the case for consideration of EC as per the TOR issued by MoEF&CC :

1. Clear justification with all details the parts covered under the EC applicability on layout map with area details.
2. Details of proposed surface drainage with contour pattern of the site to address the issues of surface runoff.
3. Inventory of trees existing on the site and details if any tree falling is proposed.
4. Details of proposed ETP are with their locations on layout map and various components and sizes.
5. How dual plumbing will be carried out as it's a plotted development.
6. A commitment that no construction is initiated on site till date.

The case was discussed in 340th SEAC meeting dated 30/01/2019 wherein it was recorded that: Since PP has not submitted the desired information and case is pending since June, 2018 thus case may be delisted as per MoEF&CC OM J-11013/5/2009-IA-II (Part) dated 30/10/2012

SEIAA vide letter no 337 dated 24/04/2019 has forwarded this case file to SEAC by stating that: PP has submitted the desired information vide letter dtd. 02.04.19. Hence it is decided to Relist the case and send the information to SEAC for appraisal along with technical file.

Based on above submission this case was scheduled for presentation and discussion wherein following details were asked by the PP:

1. Commitment from the PP that if any building exceeds 20,000 sq. meters will obtain their individual EC.
2. Storm water drainage pattern is to be submitted by the PP.
3. Data of peak rainfall is to be submitted.
4. Commitment that STP shall be proposed in Scheme 65.
5. Details of proposed ETP with their locations on layout map and various components and sizes.
6. Revised plantation details as suggested during presentation.

4. Case No. – 6145/2019 Shri Ramnaresh Singh Parmar, Panchvati Colony, AB Road, Bhaorapur, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 3.00 ha. (75,000 cum per annum) (Khasra No. 386/2/KA/3, 386/2/KA/4), Village - Gaadha, Tehsil - Hanumana, Dist. Rewa (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 386/2/KA/3, 386/2/KA/4), Village - Gaadha,

Tehsil - Hanumana, Dist. Rewa (MP) 3.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 3345 dated: 01/04/19 has reported that there is 01 more mines operating or proposed within 500 meters around the said mine with total area of 12.50 ha. including this mine.

PROJECT AT A GLANCE

Project Proponent	Shri Ramnaresh Singh Parmar , Resi.- Village : Gaadha, Tehsil- Hanumana, District- Rewa (M.P.)
Project Name	Gaadha Stone Quarry of Shri Ramnaresh Singh Parmar
Location	Khasra NO.- 386/2/KA/3,386/2/KA/4. Village – Gaadha, Tahsil – Hanumana, Dist. – Rewa, Madhya Pradesh
Latitude & Longitude	(A) 24°40'37.79"N 82° 4'9.55"E (B) 24°40'37.77"N 82° 4'13.35"E (C) 24°40'31.43"N 82° 4'13.23"E (D) 24°40'31.41"N 82° 4'6.08"E (E) 24°40'34.44"N 82° 4'5.89"E (F) 24°40'34.48"N 82° 4'9.55"E
New/ existing / Renewal mine/Lease Period	New Project
Life of Mines	Approx. 5 years @ Max. 75,000 M3/year
Reserve Depth & Total Geological Reserve-Stone	23 meter BGL / 690,000 M3
Available Movable Reserve-Stone	368,473 M3
First Five Year Depth	18 m
Water Requirement	4.0 KLD (Source: Tanker water/ mine pit water)

Manpower Requirement	30-35 Nos.
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Committee after deliberations decided that being it's a case of stone quarry mine with total area of 12.50 ha, including this mine, and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. PP should explore the possibility of using SME (site mixed explosives) in blasting.
2. Detailed study of ground vibration and fly rocks shall be done.
3. Level of mechanization should be discussed in the EIA report.
4. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA (if any).

5. Case No. 6153/2019 Shri Ramnaresh Singh Parmar, S/o Shri Munna Singh Parmar, Panchawati Colony, AB Road, Bhahorapur, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 3.40 ha. (2,00,000 cum per annum) (Khasra No. 8, 9), Village - Lakhanpura, Tehsil - Gwalior, Dist. Gwalior (MP).EIA Consultant: Green Circle Inc. Vadodara.

This is case of Stone Quarry and application is for expansion. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 8, 9), Village - Lakhanpura, Tehsil - Gwalior, Dist. Gwalior (MP) 3.40 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. QL 111 dated: 09/04/19 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total area of 19.13 ha., including this mine.

PROJECT AT A GLANCE

Project Proponent	Shri Ramnaresh Singh Parmar , Resi.- Panchvati Colony, A.B. Road, Bhahorapur , Gwalior, Dist. Gwalior (M.P.).
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Project Name	Lakahanpura Stone quarry of Shri Ramnaresh Singh Parmar
Location	Khasra NO.- 8, 9, Village – Lakhanpuraa Tahsil – Dabra, Dist. – Gwalior, Madhya Pradesh
Actual Latitude & Longitude	26° 3'10.86"N 78°21'19.28"E 26° 2'58.47"N 78°21'17.03"E 26° 2'58.73"N 78°21'13.89"E 26° 3'4.07"N 78°21'15.17"E 26° 3'4.27"N 78°21'12.23"E
New/ existing / Renewal mine/Lease Period	Expansion / 10 years Collector Sanctioned letter
Life of Mines	Approx. 5 years @ 2,00,000 M3 /year
Reserve Depth & Total Geological Reserve-Stone	10 /5m AGL (slop factor) / 1,70,000 M3 26 meter BGL / 8,84,000 M3
Available Movable Reserve-Stone	8,92,860 M3.
Conceptual Depth	26m BGL
Water Requirement	7.0 KLD (Source: Tanker water/ mine pit water)
Manpower Requirement	40-45 Nos.

Committee after deliberations decided that being it's a case of stone quarry mine with total area of 19.13 ha, including this mine, and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Compliance of earlier EC conditions from competent authority is to be annexed in EIA report.
2. PP should explore the possibility of using SME (site mixed explosives) in blasting.
3. Address mine discharge in EIA report.
4. Detailed study of slope stability & ground vibration shall be done.

5. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA (if any).
6. Level of mechanization should be discussed in the EIA report.
7. Hydro geological study should be carried out if ground water intersection is proposed.
8. Status of all court cases (with summery of all the directions and compliances made) issued by honorable Courts.
9. A list of all the mines located in the Billaua, Rafadpur and Chirpura cluster along with their lease area, lease period, existing production, proposed production as per approved mine plan, production for which the EC is desired (Form 1), available minable reserve, proposed ultimate depth, post mining land use, details of crusher if located within the lease area, if crushing is done outside the lease area its location and details, details of any habitation, water body, road, school, or hospital or any other public place within 500 m of the cluster.
10. A satellite Image of the area showing all the mines and crusher located in the cluster, mineral evacuation route, all important features like water body, habitation, roads, industry and other mines etc located within 5 km radius of the cluster.
11. A surface plan of the entire cluster area (contour interval not more than 3.0 m) with maximum and minimum RL of each mine of cluster.
12. Air pollution control measures adopted by each mine and crusher in the cluster.
13. An evacuation plan for entire cluster with evacuation route shown on a map, location of school, hospital, habitation etc falling on the route should also be shown on the map. The plan should also include the type and condition of the road and a justification that road network is adequate to evacuate the proposed production from the cluster.
14. Ambient Air Quality Monitoring on following locations be conducted for one season :-
 - (a) Three monitoring station one each at three nearby villages i.e. Lakhanpura, Rafatpur & Chirpura.
 - (b) Two monitoring station one each at main evacuation road and cluster area road.
 - (c) Three monitoring station i.e. one at windward direction and two at leeward direction.
 - (d) Three monitoring station within the cluster area near installed crushers.
7. Furnish the name and production of the each mine within 01 kms radius that were in operation during the base line data collection.
8. Photography and Videography should also be done during collection of baseline data.
9. Noise Monitoring on following locations be conducted for one season :-

- (e) Three monitoring station one each at three nearby villages i.e. Lakhanpura, Rafatpur & Chirpura.
 - (a) Two monitoring station one each at evacuation road and cluster area road.
 - (b) Three monitoring station within the cluster area near installed crushers.
10. Discuss in EIA report the present scenario of OB management with locations of OB dump marked on map, measures taken for stabilization of dump, photographs of OB dump and proposed OB management plan for entire cluster.
 11. Provide information regarding mine wise requirement of water, mine wise source of water and total water requirement of entire cluster.
 12. A blast induced ground vibration and air over pressure study for the mines located within 500 m of any dwellings or any other important structure. The study should clearly recommend a site specific square root predictor equation for determining the maximum charge/delay that can be safely used.
 13. A drainage plan for entire cluster and surface run off management plan.
 14. Hydrological studies be carried out to address the impact of existing mining activities on ground water. The report shall clearly mention the maximum depth up to which mining can be allowed in the cluster without causing any adverse impact on ground water and extent up to which mining can be allowed near surface water body.
 15. Proposed plantation scheme and If plantation is proposed outside the lease area also, commitment of district administration is also required.
 16. Public consultation be conducted as per EIA Notification, 2006.
 17. In addition to EMP for entire cluster in the EIA report a site specific EMP for each mine should also be prepared and submitted separately.
 18. Provide details of court cases/ litigations pending, if any.
6. **Case No. – 6114/2019 M/s B.C.C.Project Pvt. Ltd, Ram Nagar, Baradari Chouraha, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 1.599 ha. (80,000 cum per annum) (Khasra No. 222/1, 222/2), Village - Jignia, Tehsil - Gwalior, Dist. Gwalior (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 222/1, 222/2), Village - Jignia, Tehsil - Gwalior, Dist. Gwalior (MP) 1.599 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. NIL dated: NIL has reported that there

is 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.219 ha., including this mine.

The case was presented by the PP and their consultant. During presentation as per Google image based on coordinates provided by PP it was recorded that the lease is in three parts and following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remark
Kachha road	125	N-W	

During presentation and discussion after perusal of the documents submitted by the PP it was observed by the committee that DFO certificate is signed by SDO, committee asked PP should submit revised DFO certificate with signed by concerned DFO. After presentation the committee asked to submit following details:

- Revised DFO certificate is needed.
- Revised plantation scheme as suggested during presentation.
- Method of mining with dimension of benches is to be submitted.
- Revised EMP as suggested during presentation.
- Revised CER by adding smart classes, furniture in school and drainage maintenance, traffic awareness camp for villagers as by suggested during presentation.
- Revised location of crusher of surface Map.

7. Case No. 6155/2019 M/s Agrawal Builders & Colonizers Co., E-4/231, Arera Colony, Bhopal, MP – 465001 Prior Environment Clearance for Proposed Residential Project "Sagar Lake View Homes" (Total Plot Area = 32480.0 sqm, Total Built-up Area = 48354.67 sqm), Village - Hathaikheda, Tehsil - Huzur, Dist. Bhopal (MP).

This is case of Proposed Residential Project "Sagar Lake View Homes" (Total Plot Area = 32480.0 sqm, Total Built-up Area = 48354.67 sqm), Village - Hathaikheda, Tehsil - Huzur, Dist. Bhopal (MP).The project requires prior EC before commencement of any activity at site.

Neither the Project Proponent (PP) nor his authorized 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

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.

8. Case No. – 6134/2019 Smt. Laxmi Singh, Ward No. 16, Adarsh Nagar, Bara, Dist. Rewa, MP – 486886 Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (15,091 cum per annum) (Khasra No. 50, 52, 53), Village - Banjari, Tehsil - Sarai, Dist. Singrauli (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 50, 52, 53), Village - Banjari, Tehsil - Sarai, Dist. Singrauli (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, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1706 dated: 18/03/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

As per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

Sr. No	Sensitive Feature	Approximate aerial distance from the lease area in meters	Direction	Remarks.
1.	Railway line	300	South side	10 meter setback shall be left.

The case was presented by the PP and their consultant. During presentation it was observed that DFO vide letter no 6262 dated 22/10/2018 has certified that the lease is 3440 meters away from the ESZ. PP stated that method of mining will be open cast semi mechanized. The quarrying operation will be carried out with developing benches. After presentation the committee asked to submit following details:

- Revised EMP by adding provisions for VT.
- Commitment of PP that crusher will not be installed on this lease as submitted by him during presentation.
- Revised plantation budget as suggested during presentation.

- Revised CER by incorporating distribution of sports items, sliding, and swings in schools.

PP has submitted the response of above quarries same date vide letter dated 02.05.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that 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 shall be as per mine plan with quantity not exceeding for Stone 15,091 cum/annum.
2. 10 meters setback shall be left in the lease on the southern side considering railway line.
3. A budgetary provision for Environmental management Plan of Rs. 08.50 Lakh/year as capital and Rs 0.70 Lakh/year and under CSR Rs. 0.20 Lakh/years has proposed.

9. Case No. – 6116/2019 Shri Suryapratap Yadav, Gram - Indore, Tehsil - Isagarh, Dist. Ashoknagar, MP – 473338 Prior Environment Clearance for Crusher Stone Quarry in an area of 2.00 ha. (10,830 cum per annum) (Khasra No. 477), Village - Pipariyarai, Tehsil - Ashoknagar, Dist. Ashoknagar (MP).

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 477), Village - Pipariyarai, Tehsil - Ashoknagar, Dist. Ashoknagar (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, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 210 dated: 18/03/19 has reported that there is 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.00 ha., including this mine.

The case was presented by the PP and their consultant wherein during presentation and discussion it was observed as per the Google image that a stop dam like structure is in existence in the lease area and if 100 meters area to be left as non-mining zone as per the MMR, the lease become un-operationable. Hence after detailed discussion committee

recommends that in this situation, this case cannot be considered for grant of EC and case file be sent to SEIAA for further necessary action.

10. Case No. – 6124/2019 Shri Ram Singh, Gram - Teliya Thad, Tehsil - Khaknar, Dist. Burhanpur, MP – 450331 Prior Environment Clearance for Crusher Stone Quarry in an area of 1.00 ha. (5,130 cum per annum) (Khasra No. 192/1), Village - Teliya Thad, Tehsil - Khaknar, Dist. Burhanpur (MP).

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 192/1), Village - Teliya Thad, Tehsil - Khaknar, Dist. Burhanpur (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, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 187 dated: 18/03/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

As per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

Sr. No	Sensitive Feature	Approximate aerial distance from the lease area in meters	Direction	Remarks.
1.	Kaccha Road	20	East side	Thick rows of plantation

The case was presented by the PP and their consultant.. PP stated that method of mining will be open cast semi mechanized. The quarrying operation will be carried out with developing benches. After presentation the committee asked to submit following details:

- All the approved Maps are to be submitted by the PP
- Location of crusher on surface map (100 meters away from road) is to be submitted by the PP

PP has submitted the response of above quarries same date vide letter dated 02.05.2019, which was placed before the committee and the same found satisfactory. The EMP and other

submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that 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 shall be as per mine plan with quantity not exceeding for Stone 5,130 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 05.42 Lakh as capital and Rs 0.99Lakh/year and under CSR Rs. 0.50 Lakh/years has proposed.

11. Case No. – 6139/2019 Shri Brajesh Sharma, Village - Lahri Baba Ashram, Dist. Jabalpur, MP – 482001 Prior Environment Clearance for Sand Quarry in an area of 1.30 ha. (33,550 cum per annum) (Khasra No. 1554, 1541), Village - Kaserua, Tehsil - Seondha, Dist. Datia (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1554, 1541), Village - Kaserua, Tehsil - Seondha, Dist. Datia (MP) 1.30 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease’s within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 314 dated: 18/03/2015 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is khodu bharu mine and this lease was obtained under temporary permit (TP) for two years period, method of mining will be open cast semi mechanized. During presentation as per Google image based on coordinates provided by PP it was recorded that the lease is in three parts and following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remark
Trees	Within lease		No tree falling shall be done without permission of competent authority.

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ng appraisal of the case, it was observed by the committee that some trees are in existence in the lease area. PP submitted that they will not uproot these trees during course of mining. After presentation the committee asked to submit following details:

- Revised plantation species by replacing अंजन with अर्जुन specie as suggested during presentation.
- Revised CER adding provision of lab and library in schools as suggested during presentation.

PP has submitted the response of above quarries same date vide letter dated 02.05.2019, which was placed before the committee. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that 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 'C':

1. Production of Sand as per mine plan with quantity not exceeding 33,550 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 7.41 Lakh as capital and Rs 1.17 Lakh/year and under CSR Rs.1.00 Lakh/years.

12. Case No. 6151/2019 M/s Sarthi Construction, 102, Dream Apartment, 369, Jiwaji Nagar, Thatipur, Dist. Gwalior, MP – 474001 Prior Environment Clearance for Stone Quarry in an area of 1.410 ha. (50,000 cum per annum) (Khasra No. 915), Village - Kheroda, Tehsil - Khaniyadhana, Dist. Shivpuri (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 915), Village - Kheroda, Tehsil - Khaniyadhana, Dist. Shivpuri (MP) 1.410 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 3628 dated: 03/04/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

As per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

Sr. No	Sensitive Feature	Approximate aerial distance from the lease area in meters	Direction	Remarks.
1.	Some trees	Within lease area	--	No tree falling shall be done without permission of competent authority.
2.	Canal	100	East side.	
3.	Kachcha road	15	West side.	NIL
4.	Habitation	270	North side	Thick rows of plantation

The case was presented by the PP and their consultant. PP stated that this lease was obtained under temporary permit (TP) for three years period, method of mining will be open cast semi mechanized. The quarrying operation will be carried out with developing benches. After presentation the committee asked to submit following details:

- Revised EMP by adding VT as suggested during presentation.
- Revised CER by incorporating distribution of sports items, sliding, and swings in schools.

PP has submitted the response of above quarries same date vide letter dated 02.05.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that 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 shall be as per mine plan with quantity not exceeding for Stone 50,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 12.22 Lakh as capital and Rs 3.51Lakh/year and under CSR Rs. 1.00 Lakh/years has proposed.

13. Case No. 6152 M/s Sarthi Construction, 102, Dream Apartment, 369, Jiwaji Nagar, Thatipur, Dist. Gwalior, MP – 474001 Prior Environment Clearance for Stone Quarry in

an area of 4.00 ha. (30,000 cum per annum) (Khasra No. 82), Village - Kali Pahadi, Tehsil - Khaniyadhana, Dist. Shivpuri (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 82), Village - Kali Pahadi, Tehsil - Khaniyadhana, Dist. Shivpuri (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 3629 dated: 03/04/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

As per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

Sr. No	Sensitive Feature	Approximate aerial distance from the lease area in meters	Direction	Remarks.
1.	Pucca road	120	East side.	
2.	Canal (under construction)	210	West side.	

The case was presented by the PP and their consultant. PP stated that this lease was obtained under temporary permit (TP) for three years period, method of mining will be open cast semi mechanized. The quarrying operation will be carried out with developing benches. After presentation the committee asked to submit following details:

- Revised Tehsildar certificate.
- Details of material evacuation as the lease are on hillock of 20 meters height.
- Revised EMP by adding VT as suggested during presentation.
- Revised CER by incorporating distribution of sports items in schools.

PP has submitted the response of above quarries same date vide letter dated 02.05.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee

after deliberation found that 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 shall be as per mine plan with quantity not exceeding for Stone 30,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 21.26 Lakh as capital and Rs 2.33 Lakh/year and under CSR Rs. 0.60 Lakh/years has proposed (for 3 years).

14. Case No. – 6117/2019 Shri Jitendra Singh S/o Shri Satya Prasad Singh, Village - Mahuriya, Tehsil - Chitrangi, Dist. Singrauli, MP – 486886 Prior Environment Clearance for Stone Quarry in an area of 3.75 ha. (1,30,370 cum per annum) (Khasra No. 269), Village - Mahuriya, Tehsil - Chitrangi, Dist. Singrauli (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 269), Village - Mahuriya, Tehsil - Chitrangi, Dist. Singrauli (MP) 3.75 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter No. 910 dated: 06/10/17 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

As per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

Sr. No	Sensitive Feature	Approximate aerial distance from the lease area in meters	Direction	Remarks.
1.	Trees (10-15)	Within lease	--	Commitment that no tree falling without permission.

The case was presented by the PP and their consultant. PP stated that method of mining will be Semi-Mechanized Method. The quarrying operation will be carried out with developing benches. After presentation the committee asked to submit following details:

- Readable copy gram sabha NOC is to be submitted.
- Revised EMP as suggested during presentation.

PP has submitted the response of above quarries same date vide letter dated 02.05.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that 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 shall be as per mine plan with quantity not exceeding for Stone 1,30,370 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 11.52 Lakh as capital and Rs 3.50 Lakh/year and under CSR Rs. 3.50 Lakh/years has proposed.

15. Case No. – 6106/2019 M/s Barbrik Project Ltd, Shri Kanhaiya Lal Agrawal, Ashoka Millennium, Ring Road No. 01, Near Rajendra Nagar, Raipur, CG – 492001 Prior Environment Clearance for Sand Quarry in an area of 4.00 ha. (39,200 cum per annum) (Khasra No. 01 Part), Village - Orgai, Tehsil - Singrauli, Dist. Singrauli (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 01 Part), Village - Orgai, Tehsil - Singrauli, Dist. Singrauli (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed

format duly verified in the Tehsildar Office letter No. 374 dated: 13/04/18 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant in 362nd SEAC meeting dated 15/04/2019. The PP stated that this lease was obtained under temporary permit (TP) for two years period. During presentation as per Google image based on coordinates provided by PP it was observed that lease area is falling in the flowing stream which later joins Rihand dam and two bridges are approx. 200 meters away. PP submitted that there is some problem with the co-ordinates as the entire lease area is dry and he can provide photographs of the lease. PP further submitted that concerned authority has allotted the lease after site investigation and he himself has visited the site. PP also submitted that as per the Khasra map the site is located near the river bank and as per the co-ordinates it is appearing in the middle of river. On perusal of Khasra map it was observed by the committee that in Khasra map, the distance from bridges and lease is shown > 400 meters while the distance of bridges from lease as per the given co-ordinate is just 200 meters. The PP requested that they may be allowed to submit the revised co-ordinates as this lease is allotted for road construction and valid only for 02 years. Committee after deliberations asked PP to submit revised co-ordinates as per the Khasra map duly authenticated by the competent authority and also recent photographs of the lease with PP showing dry sand area for further consideration of the project.

The case was presented by the PP and their consultant. After presentation the committee asked to submit following details:

- Revised plantation scheme to be submitted by the PP.
- Revised CER adding distribution of sports items see –saw, swings in schools as suggested during presentation.

PP has submitted the response of above quarries same date vide letter dated 02.05.2019, which was placed before the committee. During presentation, it was observed by the committee that as per the revised co-ordinates submitted by PP (PP has also obtained the approval of revised co-ordinates on mine plan and submitted the copy of relevant page issued vide letter no. 1983 dated 18/04/2019) the lease is now a 400 meters away from the bridge. However it was observed from the Google image that still 50% of lease is submerged in water for which PP submitted that this image is of December, 2018 and at present the lease is completely dry and as a proof submitted the recent photographs of the lease. Committee after deliberation recommends that no evacuation of sand shall be carried out from the area

submerged in water. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that 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 'B':

1. Production of Sand as per mine plan with quantity not exceeding 39,200 cum/year.
2. No evacuation of sand shall be carried out from the area submerged in water.
3. A budgetary provision for Environmental management Plan of Rs. 01.79 Lakh as capital and Rs 0.75 Lakh/year and under CSR Rs. 0.40 Lakh/years.

(Dr. Mohd. Akram Khan)
Member

(Dr. A.K. Sharma)
Member

(Dr. Sonal Mehta)
Member

(Dr. R. Maheshwari)
Member

(Prashant Shrivastava)
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. Heavy vehicles shall not be allowed for removal of sand.
7. The sand shall be transported by small trolleys up to the main transport vehicle.
8. Transport vehicles will be covered with tarpauline to minimize dust/sand particle emissions.
9. No Mining shall be carried out during Monsoon season.
10. PP shall take Socio-economic activity in the region through the 'Gram Panchayat'.
11. NOC of gram panchayat should be obtained for the water requirement.
12. EC will be valid for mine lease period/mine plan subject to a ceiling of 5 years.
13. The mining shall be carried out strictly as per the approved mining plan.

Annexure- 'D'

General conditions applicable for the granting of TOR

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

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

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

24. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
25. Detailed analysis of availability and quality of the drinking water resources available in the block.

26. A study by CPCB of the methodology of disposal of industrial waste from the existing industries in the block, whether it is being done in a manner that mitigate all health and environmental risks.
27. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtained.