

The 317th meeting of the State Expert Appraisal Committee (SEAC) was held on 20 June, 2018 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram Khan, Member.
2. Dr. Sonal Mehta, Member.
3. Shri Prasant Srivastava, Member.

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

1. **Case No. – 5680/2018 Bhopal Smart City Development Corporation Limited, Mr. Chandramauli Shukla, Zone-14, near Tatpar Petrol Pump, BHEL Govindpura, Bhopal, MP – 462023 Prior Environment Clearance for Area Based Development Project for Bhopal Smart City (Plot Area: 138.5 Ha, Total Built-up Area (in consideration with FAR): 19.32 lakhs sqm) at village - Kotra Sultanabad,, Tehsil - Huzur, Dist. Bhopal, MP. (Cat. 8(b) Project. Env. Con. – Tata Consulting Engineers, Mumbai.**

This is case of Prior Environment Clearance for Area Based Development Project for “Bhopal Smart City” Plot Area: 138.5 Ha, Total Built-up Area (in consideration with FAR): 19.32 lakhs sqm at Khasra No. – 34, 35, 36, 37, 109, 110, 112, 113, 114, 108, 115, 102, 101, 119, 120, 126, 127,128, 129, 130, 133, 121, 122, 123, Village - Kotra Sultanabad, Bhopal Sehar, Tehsil - Huzur, Distt. - Bhopal, (M.P.) Cat. 8(b) Project.

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

Sr. No.	Details	Information						
1.	Name of the project & its location:	Area Based Development under Bhopal Smart City <table border="1" data-bbox="695 1587 1430 1864"> <tr> <td data-bbox="695 1587 875 1665">Location</td> <td data-bbox="875 1587 1430 1665">North & South T.T. Nagar</td> </tr> <tr> <td data-bbox="695 1665 875 1791">Village</td> <td data-bbox="875 1665 1430 1791">Bhopal Shaher & Kotra Sultanabad</td> </tr> <tr> <td data-bbox="695 1791 875 1864">Tehsil</td> <td data-bbox="875 1791 1430 1864">Huzur</td> </tr> </table>	Location	North & South T.T. Nagar	Village	Bhopal Shaher & Kotra Sultanabad	Tehsil	Huzur
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Tehsil	Huzur							

Sr. No.	Details	Information																	
		District	Bhopal																
		State	Madhya Pradesh																
2.	Name of the Company, Address Tele No. & E-mail :	Bhopal Smart City Development Corporation Limited, (Near Tatpar Petrol Pump), Zone 14, Bhopal Municipal Corporation, BHEL, Govindpura, Bhopal - 462023, Madhya Pradesh. Phone: 0755-2477770 Email- bscdcl@smartbhopal.city.																	
3.	Latitude and Longitude of the project.	North: 23°14'18.63"N, 77°23'47.62"E East: 23°13'58.93"N, 77°24'10.39"E South: 23°13'28.21"N, 77°24'6.93"E West: 23°13'51.82"N, 77°23'36.77"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.	<p>Nature of Project: New project.</p> <p>Total Plot Area- 138 Ha.</p> <p>Total Built up Area – 193.27 Ha. (19,32,694.38 Sq. m)</p> <p>Proposed Land Use</p> <table border="1"> <thead> <tr> <th>S No</th> <th>Land Use Categories</th> <th>Area (Ha)</th> <th>Proposed Land Use (%)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Residential</td> <td>45.67</td> <td>33.2</td> </tr> <tr> <td>2</td> <td>Commercial</td> <td>22.14</td> <td>16.1</td> </tr> <tr> <td>3</td> <td>PSP+Utility</td> <td>11.07</td> <td>7.9</td> </tr> </tbody> </table>		S No	Land Use Categories	Area (Ha)	Proposed Land Use (%)	1	Residential	45.67	33.2	2	Commercial	22.14	16.1	3	PSP+Utility	11.07	7.9
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		4	Green/Open Spaces	23.53	16.7
		5	Roads	35.98	26.1
		Total		138.40	100.0
6.	Cost of the project.	Rs. 1500 crore			
7.	Whether the project is in Critically Polluted area.	No			

- The Project area includes North and South TT Nagar starting after new market in the north and extending till Mata Mandir chowk in the south.
- The Site is next to existing BRT corridor passing through New Market from Roshanpura Square in to MP Nagar on the east.
- Bhopal Railway Junction is the nearest railway station to the site which 4.5 km away.
- Nearest airports to the sites is Raja Bhoj International Airport which is 10.5 km from site.

Key Infrastructure Components:

- 24 x 7 Water Supply Network
- 100% coverage with Sewer Network and STPs
- Recycled water distribution network & Pumping .
- Dual plumbing system.
- Storm Water drainage including connectivity to natural ponds.
- Road networks, NMT and parking facility. Strong pedestrian connectivity.
- ICT infrastructure.
- Smart street lighting
- 24X7 uninterrupted power distribution.
- Underground utility corridor.
- Landscaping.

Sr. No.	Details	Information
8.	If the project is for EC under EIA Notification, 2006	Yes
a	For the first time appraisal by EAC	Yes, under Item 8(b) i.e. Township and Area development Category -B
(i)	Date of ToR:	TOR was approved in 19th Meeting of Expert Appraisal Committee (Infra 2) dated 29 th June 2017. File No: 21-202/2017-IA-III
(ii)	Date of Public Hearing, location	Not Applicable
(iii)	Major issues raised during PH and response of PP	Not Applicable
b)	Second appraisal	
(i)	Date of first /earlier appraisal	Not Applicable
(ii)	Details of the information sought by the EAC with the response of the PP.	Not Applicable
9.	If the project involves diversion of forest land	No forest land
(i)	extend of the forest land	No/ Not Applicable
(ii)	status of forest clearance	No/ Not Applicable
10.	If the project falls within 10 km of eco- sensitive area	Yes
(i)	Name of eco- sensitive area and distance from the project site,	Van Vihar National Park (1.5 KM NW direction)
(ii)	Status of clearance from National Board for wild life.	Not Applicable (As per Notification S.O.3777(E)dt 30.11.2017 the eco sensitive zone is reduced to 100 m.

Sr. No.	Details	Information
11.	Waste Management	
(i)	Water requirement, source, status of clearance	Total water demand for the ABD area comes around 20.74 MLD. Source of water will be Kolar water dam followed by water treatment at Kolar plant.
(ii)	Waste water quantity, treatment capacity, detail	Total waste water generation will be 12.28 MLD, Treated water shall be reused for flushing, gardening, road washing, landscape & irrigation of plants, shrubs etc. so tertiary treatment is recommended along with the SBR technology for primary and secondary treatment.
(iii)	Recycling / reuse of treated water and disposal	The treated water from 2 STP's to be pumped to 2 recycles water distribution lines and used for flushing and landscape purposes.
(iv)	Solid Waste Management	<p>The basis for "municipal" solid waste classification into bio-degradable, recyclable and inert wastes is considered as per CPHEEO Draft SWM Manual 2014. Total estimated waste generation in ABD area is 58.97 TPD. Segregation of waste will be proposed at source in order to provide suitable treatment process and attain sustainable SWM approach. The automated waste collection (AWC) system shall support in having waste streaming which will further be collected at dedicated Waste Collection Station.</p> <p>Segregated waste will be diverted to systematic treatment as per the category of waste. The wet waste is proposed to be treated using bio-methanization technology.</p>
(v)	Hazardous Waste Management	House hold Hazardous waste will be segregated from municipal solid waste and treated separately in accordance with the Hazardous Waste (Management and Handling) Rules, 2016
12.	Other details	

Sr. No.	Details	Information
(i)	Noise Modeling with noise control measures for airports	Not Required
(ii)	Details of water bodies, impact on drainage if any	The proposal does not involve the alteration of natural drainage pattern.
(iii)	Details of tree cutting	Presently there are 6080 Trees and shrubs as per the Tree survey conducted within the project site.
(iv)	Energy conservation measures with estimated saving	<ul style="list-style-type: none"> - Characteristics of glass which will be used by the individual developer, should be in line with E.C.B.C. guidelines & IGBC guidelines - The passive solar architectural features will be developed by individual plot developer in-line with E.C.B.C guidelines - Solar panels over the light posts, bus stands and toilets within the street section allow capturing of solar energy - The shading will be provided by individual developers in line with E.C.B.C guidelines. - Individual developers would be using CFC and HCFC free chillers, if required
(v)	Green belt development (20 % of construction projects and 33 % for others)	About 23.53 ha land is earmarked for dedicated green belt development. Some of the existing trees would be either protected or transplanted within the ABD area. Other trees shall be cut and compensatory trees shall be planted as per the BMC guidelines. Over and above the dedicated green belt, each plot will also have green and open spaces as per the project DCR. It is proposed to have native species for plantation only.
(vi)	Parking requirement with provision made	<p>Total parking area calculated for ABD area is 5,28,026 sqm distributed as:</p> <p>Commercial- 261725 sq.m, Residential- 212571 sq.m, PSP/Utilities- 53731 sq.m.</p> <p>Multi level car parking, Basement Parking, Podium Parking are the provisions made for parking.</p>

Sr. No.	Details	Information
13.	If the project involves foreshore facilities	
(i)	Shoreline study	Not Applicable
(ii)	Dredging details, disposal of dredge material	Not Applicable
(iii)	Reclamation	Not Applicable
(iv)	Cargo handling with dust control measures	Not Applicable
(v)	Oil Spill Contingent Management Plan	Not Applicable
14.	If the project involves Marine disposal	
(i)	NOC from PCB in case of marine disposal	Not Applicable
(ii)	details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters 9	Not Applicable
(iii)	Location of intake / outfall. Quantity,	Not Applicable
(iv)	detail of monitoring at outfall	Not Applicable
(v)	Any other relevant information	Not Applicable

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15.	Other information																												
(i)	Investment/Cost of the project is Rs.....(in crore).	Capital cost of infrastructure in 3 years is Rs. 637.13 Crore.																											
(ii)	Employment potential.....	<p>Comprehensive development will improve quality of life, employment and enhance incomes for all. Modern commercial zone would provide better economic & employment. Estimated employment from proposed development is as follows:</p> <table border="1"> <thead> <tr> <th>Sr. No</th> <th>Type of employment</th> <th>Numbers</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Employment Generation Approx</td> <td>68,000</td> </tr> <tr> <td>2</td> <td>Household Support</td> <td>12,000</td> </tr> <tr> <td>3</td> <td>Retail</td> <td>2,000</td> </tr> <tr> <td>4</td> <td>Offices</td> <td>10,000</td> </tr> <tr> <td>5</td> <td>Stadium and Events</td> <td>100</td> </tr> <tr> <td>6</td> <td>Public Facilities</td> <td>43,200</td> </tr> <tr> <td>7</td> <td>Hospitality</td> <td>140</td> </tr> <tr> <td>8</td> <td>City Maintenance</td> <td>195</td> </tr> </tbody> </table>	Sr. No	Type of employment	Numbers	1	Employment Generation Approx	68,000	2	Household Support	12,000	3	Retail	2,000	4	Offices	10,000	5	Stadium and Events	100	6	Public Facilities	43,200	7	Hospitality	140	8	City Maintenance	195
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(iii)	Benefits of the project	Area- based development will transform existing areas (retrofit and redevelop), including slums, into better planned ones, thereby improving livability of the Bhopal City. New areas (Greenfield) will be developed around cities in order to accommodate the expanding population in urban areas. Application of Smart Solutions will enable cities to use technology, information and data to improve infrastructure and services.																											
16.	Date of Ground water clearance:	Not Applicable																											
17.	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring	Annual environment monitoring cost is 22.74 lakhs. Cost of environmental cell is 21 lakhs per month.																											
18.	Numbers of plantation	According to the spacing requirements provided in																											

Sr. No.	Details	Information
	with name of species proposed & area allocated for plantation with budgetary provisions	below plant list, approximate numbers of trees/plants need to be installed along the roads and green areas within the project site are: along trunk roads – 6000 nos.
19.	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details.	Not Applicable

During presentation it was submitted by PP that the site was selected based on the Smart City Proposal prepared by Bhopal Municipal Corporation submitted to GoI under the Area Based Development Component of Smart City Mission. Site consists of developed government owned land along with trees and bushes. Government housing and small shops shall be relocated to existing clear parcels of land within the site. After which the buildings shall be cleared for further development. It was also submitted by PP that approx.6080 trees falling is proposed in this project and master plan approval is obtained. PP further submitted that about 23.53 ha land is earmarked for dedicated green belt development. Some of the existing trees would be either protected or transplanted within the ABD area. Other trees shall be cut and compensatory trees shall be planted as per the BMC guidelines. Over and above the dedicated green belt, each plot will also have green and open spaces as per the project DCR. It is proposed to have native species for plantation only. During discussion it was observed that several high rise buildings are proposed in this project for which necessary high rise building permissions shall be obtained from the competent authority. Apart from the area development and Iconic building which will be developed by the PP under smart city project, there are other 99 plots which will be developed during course of time. When enquired by committee, PP submitted that this proposal of EC will cover entire project including these 99 plots and if so PP was asked to submit complete details of these 99 plots and proposed developmental plan/conceptual plan. After presentation, PP was asked to submit following details for further consideration of the project:

1. Copy of master plan approval obtained by PP.
2. Declaration of PP that no construction initiated till date on site.
3. Complete details of Iconic building and other structures which will be erected by the PP with conceptual plan & copy of high rise building permission if obtained.

4. Presently there are 6080 Trees and shrubs as per the tree survey conducted within the project site. As proposed by PP during presentation, some of the existing trees would be either protected or transplanted within the ABD area. Other trees shall be cut and compensatory trees shall be planted. Thus please submit the details of trees which will be protected/relocated out of 6080 and number of tree which will be uprooted and scheme of compensatory plantation. Prior tree cutting, permission of competent authority must be obtained.
 5. Road swapping machines should be provided in this project to control fugitive emission for which a proposal shall be submitted by PP.
 6. Details and volume of top soil and excavated earth with their disposal plan be submitted.
 7. Details of proposed fire stations and facilities within the project shall be submitted along with the safety measures proposed for bio-mentanization plant.
 8. Complete details of parking facilities provided for the entire project.
 9. This project will attract huge inflow & outflow of traffic and to avoid traffic congestion at crossings such as New Market, Mata Mandir, Banganga etc thus proposal for providing flyovers on all major traffic junctions shall be submitted.
 10. Details and dimensions of all the components of STP's proposed in the project.
 11. During presentation PP informed that no R&R is involved in the project for which a declaration should be submitted by PP.
 12. During presentation it was observed that some figures in presentation are not as per the submitted EIA report for which it was submitted by PP that during finalization of presentation some changes have taken place for which PP was asked to submit the complete details with revised details which are differing with the EIA report.
2. **Case No. - 5561/2017 Executive Engineer, Narmada Development Division No. - 4, Sihora, Dist., Jabalpur, (M.P.) Prior Environment Clearance for Dhimerkheda Micro Lift Irrination Scheme Cultivable Command Area- 15,000 ha, Gross ommand Area- 37,879 ha at Dist. Katni, (M.P.) Cat. 1(c) River Valley and Hydroelectric Projects. Reference No. for online tracking of project details- SIA/MP/RVP/19374/2017. Env. Con. – R. S. Envirolink Technologies Pvt. Ltd. Guggaon.**

This is a irrigation project not involving submergence hence shall be appraised by SEIAA as category B projects in accordance with Government of India , MoEF&CC notification no. S.O.367 dated 01.012.2009. The application for EC was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP.

The salient features of the Project are given below:

AIM OF THE PROJECT

DHIMARKHEDA MICRO IRRIGATION is a **new concept** Project comprises of 4 micro irrigation projects at selected suitable places from the RBC Canal. In this scheme water will be lifted from Bargi RBC Canal through pumps, Rising Main and Pipe Distribution networks for 15000 hectare of area. A piped system will be laid upto 2.5ha chuck.

LOCATION

This project is proposed on RBC Canal of BDP being first micro lift irrigation schemes on right bank of RBC of BDP in Katni district located Near Umariya Pan. All these 4 sites are approachable by village roads.

ACCESS & OTHER COMMUNICATION FACILITIES

The supply source and lifting point of first scheme is about 1 km from village Khamha, district Katni situated on 30 Km. away from NH7 Jabalpur-Katni National Highway. The supply sources are lying in RBC of BDP near village Khamha District Katni to Village Bamhani Tehsil Dheemarkheda of District Katni. All 4 Micro Irrigation Schemes are approachable by village Road, State Highway and National Highway No.7 .

The command area has been selected for irrigation of 15,000 ha in Katni district and well connected by a Network of District Road and village Roads connecting every corner of command area.

- | | | | |
|-----|---|---|--|
| 1. | Name of the Project. | : | DHIMARKHEDA Micro Lift Irrigation Scheme Distt-Katni |
| 2. | Type of Project
(Irrigation or Multipurpose) | : | Micro Irrigation Scheme |
| 3. | Location | : | |
| | i) Supply Source | : | From Right Bank Main Canal of BDP in Katni District. |
| | ii) Lifting Point ; | : | Various locations on the right bank RBC. from R.D. 85 to 102 Km. |
| | iii) Command | : | In Katni district (M.P.) |
| 3.1 | River Basin | : | |
| | a) Name | : | |
| | i) Lifting | : | Narmada Basin |
| | ii) Command | : | Narmada Basin, Katni District. |
| | b) Located in | : | Madhya Pradesh |

3.2 River / Tributaries : Bargi Right Bank Canal of BDP

3.3 State(s) / District(s) or Tehsil in which following are located.

	State	District	Tehsil
(a) Reservoir (Supply Source):	M.P	Katni	Dhimarkheda

- (Supply direct from river)
 (b) Lifting Point / Rising Main :
 (c) Command Area :

3.4 Name of Village near the Head-works

- (i) Lifting Point : 4 points as per list annexed.

3.5 Location of Head-Works :

- (i) Lifting Point : Between 85 to 102 Km. of Bargi Right Bank Canal (Distt. Katni)

- 3.6 Project area reference** : As detailed below

Topo sheet No. 64 A/6
64 A/

3.7. Access to the Project.

- a) Nearest Airport : 1) Dumna Airport, Jabalpur 71 Km.
 b) Nearest Rail Head : Sleemnabad District Katni
29 Km.
from Lifting point/ Piped Canal Outlet.

4. Estimated life of the project (years) : 50 Years

5. Irrigation (ha.)

- (a) Gross command area (GCA) : 37879 ha.
 (b) Cultureable command area (CCA) : 15000 ha.

- (c) Area under irrigation (break up)
 (i) Rabi : 15000Ha

(D) Cost per hectare of gross area irrigation : 1.71 Lacs/Hact

6. Project Performance

- a. Irrigation : 15000 ha. In Narmada and Ganga Basin

7. Head Regulator(s) : Control structure shall be constructed at villages for individual scheme.

8. Canal System

8.1 Main pipe line : Main Pipe line -625 mm to 1150 mm Dia
Length 50 KM

8.1.1 Purpose of pipe line : Irrigation

8.1.2 Type : Piped Canal (main)
MS/DI
Disnet will be MS/DI/HDPE pipe

9. Distribution system : By lateral pipes

(a) Length : 78 KM.(Distributies)
(Distributaries & Minor)

(b) Length (km) upto 20ha
(110 mm dia to 63 mm dia pipe) : 288 km

10 Cost :

10.1. Cost of the project (Rs.Crore) total : 256.16 Crores

10.2 Allocation cost (Rs.lakhs)	Unit 1	:	12162 Lacs
	Unit 2	:	13454 Lacs
	Total	:	256.16 Crore
11. B.C. Ratio.		:	2.04

The case was presented by the PP and their consultant in 291st SEAC meeting dated 30/05/2017, wherein during presentation it was observed that approx. 35.00 Ha forest area is involved in the project for which PP have to obtain the Forest Clearance. After deliberations committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA study along with following additional TORs:

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

PP has submitted EIA vide letter no. 910 dated 04/05/18 which was forwarded through SEIAA vide letter no. 360 dated 09/05/2018. The EIA was presented by the PP and their consultant and stated that in this micro irrigation project neither tree felling is involved nor R&R are proposed. During presentation PP informed that forest area is involved in the project for which they have submitted the application for forest clearance and have also submitted a copy of the same and stage-1 forest clearance is still awaited. After presentation and discussion committee has asked PP to submit response on following:

- Revised EMP budget as discussed in the meeting.
- Details of temporary land acquisition.
- Details of top soil and its handling plan.

PP vide letter no. 1681 dtd 20.06.2018 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 EC for Dhimerkheda Micro Lift Irrigation Scheme Cultivable Command Area- 15,000 ha, Gross command Area- 37,879 ha at Dist. Katni, (M.P.) subject to to Stage I forest Clearance to be obtained by PP as per MoEF&CC OM dated 09/09/2011 & 19/06/2014 with following conditions:

(A) PRE-CONSTRUCTION PHASE

1. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
2. Adequate arrangement to prevent incidence of any endemic health problem due to water /soil borne diseases shall be provided.
3. Adequate provisions for re-vegetation, dressing, resurfacing of burrow pits etc. should be ascertained for protecting soil erosion due to runoff during rain.
4. Burning of firewood/fuel by the construction workers for their cooking may have minor impact on the local air quality, which however can be avoided with provision of alternate cooking fuel such as kerosene or LPG gas.
5. For dust mitigation measures following measures shall be adopted:
 - Roads leading to or at construction sites must be paved and blacktopped (i.e. metallic roads).
 - No excavation of soil shall be carried out without adequate dust mitigation measures in place.
 - No loose soil or sand or Construction & Demolition Waste or any other construction material that causes dust shall be left uncovered.

- Wind-breaker of appropriate height minimum 03 meters shall be provided.
 - Water sprinkling system shall be put in place.
 - Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.
 - Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.
 - No uncovered vehicles carrying construction material and waste shall be permitted.
 - Construction and Demolition Waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site.
6. PP will obtain other necessary clearances/NOC from respective authorities.
7. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter shall also be made available to local bodies, Panchayat, State Pollution Control Board and Regional Office, MoEF & CC GoI, Bhopal.
8. Provisions shall be made for the housing of construction/plant erection labor within the site with all necessary infrastructure and facilities such as mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.

(B) CONSTRUCTION PHASE

9. PPE's such as helmet, welding shield, ear muffs etc should be provide to the workers during construction/plant erection activities.
10. Fire extinguishers should be provided on site during construction/ plant erection period.
11. Water sprinkling arrangements shall be made to suppress the fugitive emissions and shall ensure that the ambient air quality is well within the prescribed norms by MoEF&CC/CPCB/MPPCB.
12. All the electrical appliances and digging should be minimum 15 meters away from any permanent structure.
13. Properly tuned construction machinery and good condition vehicles with mufflers (low noise generating and having PUC certificate) should be used and turned off which not in use.
14. DG sets shall be provided with acoustic enclosures to maintain the noise level within the prescribed limits.
15. Waste construction material should be recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.

16. Plantation in patches in suitable land 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. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
17. MSW of various labors generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.
18. Waste oil & grease generated from the pumps and standby DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization.
19. The soil removed during the excavation will be stacked separately and will be used for the green belt development only.

(C) POST CONSTRUCTION/OPERATIONAL PHASE

20. Plantation shall be carried out by the PP as per submitted plan in the command area or on available degraded land.
21. In the post-irrigation phase, farmers tend to use more fertilizers and pesticides these may result in soil and water pollution. Hence, it should be essential to use the fertilizers and pesticides in a judicious manner without causing soil and water pollution. Awareness program shall be conducted and experts should interact with the local people who will guide them on the quantity and proper application of fertilizer and Pesticides.
22. Efficient irrigation systems should be promoted in the command area as Social Responsibility by the trained staff of the department.
23. Periodic soil/water testing shall be carried out in the command area and report to be submitted to Ministry of Agriculture with essential remarks.
24. Use of Solar Energy with LED light arrangement in the pump house, site, office building should be promoted in the project area where ever possible.
25. An energy audit for energy conservation can be performed in pump site, office building, to reduce energy expense and carbon footprints.
26. All leakages will be cleaned out in the pump house to prevent wastage of water with the prescribe procedures in the regular intervals.
27. The public toilets should be made in optimum numbers so that entire command area and site should be open defecation free (ODF).
28. The project authorities should comply with the provisions made in the Water (Prevention & control) of Pollution Act 1974, and amended, Construction and Demolition Waste Management Rules, 2016, Solid Waste Management Rules, 2016, etc.

29. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
30. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
31. The project authorities should comply following provisions/ conditions made in the Construction and Demolition Waste Management Rules, 2016.

(D) ENTIRE LIFE OF THE PROJECT

32. A budgetary provision of Rs. 1414.00 Lakh is made for Environmental Management Plan. Out of which Rs. 450.00 lakhs are proposed for green belt development in the Command Area.
33. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be complied and monitored through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
34. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
35. All commitments pertaining to public hearing shall be mandatory on part of PP.
36. The environment policy should be framed as per MoEF&CC guidelines and same should be complied and monitored through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
37. 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.
38. In case of any, change in scope of work, technology, modernization and enhancement of capacity/ built-up area/ project area shall again require prior environmental clearance as per EIA notification, 2006.
39. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
40. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

3. Case No. – 5691/2018 M/s Bundelkhand Granite, 6th km Sagar Road, Dhadari, P.O. & Dist. Chhatarpur, MP – 471001 Prior Environment Clearance for Pungawan Quartz and Feldspar mine in an area of 6.101 Ha. for Production Capacity of 96,250 TPA of Quartz & 4,010 ton per annum of Feldspar, (Khasra no. 84/5, 84/9, 84/10, 99/4, 99/5, 99/6, 99/7) at Village- Pungawan, Tehsil - Bijawar, Dist. Chhatarpur (MP)

This is case of Quartz and Feldspar mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 84/5, 84/9, 84/10, 99/4, 99/5, 99/6, 99/7) at Village- Pungawan, Tehsil - Bijawar, Dist. Chhatarpur (MP) 6.101. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Office Collector, vide letter No. 225 dated 15/01/2018 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

Salient Feature of the Project:

1. Name of the project & its location:

Pungawan Quartz and Feldspar Mine over an area of 6.101 ha.

Location- Village – Pungawan, Post – Bijawar, District – Chhatarpur, Dist-Madhya Pradesh.

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

Name of the applicant/lessee - M/s. Bundelkhand Granite

Address- 6th km Sagar Road, Dhadari, P.O & District-Chhatarpur (M.P),Pin Code- 471001

E-mail- E-mail-khajurahomineral.sales@gmail.com

Contact No.- 07682-248751, 241589

3. Latitude and Longitude of the project

Pillar no.	Coordinates N & E
1.	24°41'41.6"N 79°43'08.7"E
2.	24°41'41.5"N 79°43'12.4"E
3.	24°41'39.5"N 79°43'13.6"E
4.	24°41'39.4"N 79°43'16.5"E

5.	24°41'39.0"N 79°43'16.7"E
6.	24°41'38.8"N 79°43'18.4"E
7.	24°41'36.0"N 79°43'17.7"E
8.	24°41'36.7"N 79°43'14.1"E
9.	24°41'34.8"N 79°43'13.4"E
10.	24°41'33.6"N 79°43'18.4"E
11.	24°41'38.8"N 79°43'19.5"E
12.	24°41'44.7"N 79°43'19.2"E
13.	24°41'45.8"N 79°43'17.3"E
14.	24°41'45.3"N 79°43'08.5"E

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

Not applicable.

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

Nature of proposal- New

Total area- 6.101 ha.

Project components-

Description	Details
Mining Method	Opencast semi mechanized method
Mining Equipment	L & T PC- 200/ Hyd. Excavator – 1 Dumper – 10t. for Haulage Within the leasehold area and 16t. for Transport from mines head to the destination Jack Hammer – 2 Compressor - 2
Life of the mine	12 years
Mineral Resource and Reserve	Proved Mineral reserve of Quartz = 10,70,082 Tons Proved Mineral reserve of Feldspar = 44,587 Tons
Ultimate depth of the mine	12 m bgl
Employment	54

Generation	
Project cost	100 Lakhs
Proposed Bench	Height : 6 m Width : 6 m to 10m
Water Requirement	14 KLD (Mining- 8.0 KLD, Green Belt – 3 KLD & Domestic use – 3 KLD)
Use of Mineral	Quartz - As a piezoelectric material in electronic industry, glass and ceramic industry. Feldspar -glass and ceramics industry. suitable for sanitary ware and pottery industry

Site Connectivity

Nearest Airport	Khajuraho Airport, approx. 24 km towards ENE direction.
Nearest Highway	NH-75- Approx. 12.5 km towards NE direction.
Nearest Railway Station	Khajuraho Railway station, approx. 21 km towards ENE direction.
IBM approval : Date	MPLN Approved by Director of Geology & Mining On- 04/01/2018.

6. Whether the project is in the critically Polluted Area (CPA):

No

7. Cost of the project:

Rs. 100 lakhs

8. Employment generated/to be generated:

About 54 people will be given direct employment and indirect employment to 50 persons.

9. Benefits of the project:

Improvement in the Physical Infrastructure -

- Building/strengthening of existing roads in the area.
- Development of educational facilities for the community

- Arrangement of drinking water to the villages,
- Extending health care

Improvement in the Social Infrastructure-

- Generation of employment.
- Increment in revenue to the State by way of royalty.
- Improvement in standard of living.

10. Whether new or expansion project .If expansion: i from MT to MT ii what is the % of expansion.

Not applicable

11. If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.

1

Not applicable

12. If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF

Not applicable

13.No. and Date of the ToR /and revised ToR, if any, letter issued by the authority.

No

14. No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)

Not applicable.

15. If the project was considered in EAC, Pl. gives dates of the meeting (s).

No.

16. Type of mine: (Open cast/Underground/mixed):

Open cast

17. Capacity of the mine applied for

Proposed Capacity of mine- 96, 250 TPA of Quartz & 4,010 TPA of Feldspar.

18. ML Area is as per block allotment ii. As per approved mine plan

6.101 Ha.

19. Date of approval of mine plan, mine closure plan, status & date

Date of approval of mine plan- 04.01.2018

20. Date of Board's approval:

Not applicable

21. Date of Ground water clearance:

Not required.

22. Date of mine closure approval

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23. Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost.

Budget for Environmental protection

Particulars	Capital Cost (Rs.)	Recurring Cost (Rs.) /annum
Pollution Control		
Dust suppression (Water tanker with sprinkler-350m) and Fixed type sprinkler – 300m and sprinkler for stock	4,00,000 /-	2,00,000 /-
Garland drain (1500m x 2m x 1.5m) Settling tank - 3 No – size - 600 sqm x 3m	3,00,000 /-	2,00,000/-
Pollution Monitoring	--	100,000/- (Air-50000/- 6 monthly except monsoon) (Water – 35000/- quarterly) (Soil & Noise – 15000/- 6 monthly

Green belt & afforestation	50,000 /-	2,00,000/-
Provision of alternate route towards west (Length – 200m, width – 4m) and tarring of 0,70 km road(Length – 700m, width – 5m)	12,00,000 /-	2,00,000/-
Cost of PPE	1,25,000/-	1,25,000/-
Occupational health and Safety of workers	50,000 /	50,000 /-
Total	21,25,000/-	10,75,000 /-

Budget for CSR

S, No	Activities	1 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year
1	Potable Drinking water supply during summer season in village Pungawan, Salaiya and Rampur	3.0 lakh	3.0 lakh	3.0 lakh	3.0 lakh	3.0 lakh
2	Agriculture awareness Camp – Dissipation of knowledge on drip irrigation and latest technology for agriculture in village Pungawan, Satai, Rampur, Jhamtuli & Salaiya	2.0 lakh	2.0 lakh	2.0 lakh	2.0 lakh	2.0 lakh
Total		5.0 lakh	5.0 lakh	5.0 lakh	5.0 lakh	5.0 lakh

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

Details are as under.

SL.NO.	SPECIES PROPOSED	NUMBER TO BE PLANTED
1	Neem	500
2	Pipal	500
3	Karanj	1000
4	Khamer	1000

5	Dalbergia sissoo	600
6	Munga	500
7	Gulmohar	500
8	Mango	300
9	Mahua	500
10	Semal	400
11	Bel	320
Total		6120

Year	Plantation during the year (No. of saplings)	Area covered during the year	
		Backfilled Nos. /Area (sqm)	Green belt Nos./Area (sqm)
Upto 2 years	1120	Nil	1120/11200
During Lease Period	1100	1100/11010	Nil
Total	2220	1100/11010	1120/11200

Besides above, Plantation of 3900 trees will be done by the side of approach road towards Satai and Jhamtuli. In buffer zone

Approximate cost of per plant will be Rs. 500 /-

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

Banne River: Approx. 0.4 km towards SE direction.

The case was presented by the PP and their consultant, wherein during presentation it was observed as per the co-ordinates provided in the Mining plan that a kachha road is passing through the western side of the lease, committee suggest that PP should propose alternative route for the transportation. And it was also reported that a village is at a distance of only 150 mts committee asked PP to submit a undertaking that control blasting will be carried-out. After discussion and presentation PP was asked to submit replies for the following raised quarries:

1. Lithologs of the pits and is to be submitted by the PP.
2. Revised CSR as suggested by the committee during presentation.
3. Provision for the alternative road for the villagers.

4. Revised plantation species.
5. Revised EMP incorporating the cost of PPE's, Occupational health survey and the provision for the alternate route.

PP vide letter dated 20/06/2018 has submitted the reply of above quarries and the same was placed before the committee and the same found satisfactory. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable hence committee decided to recommend the case for grant of Prior Environment Clearance for Pungawan Quartz and Feldspar mine in an area of 6.101 Ha. for Production Capacity of 96,250 TPA of Quartz & 4,010 ton per annum of Feldspar, (Khasra no. 84/5, 84/9, 84/10, 99/4, 99/5, 99/6, 99/7) at Village- Pungawan, Tehsil - Bijawar, Dist. Chhatarpur (MP)

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

8. Controlled blasting should be carried out as per submissions made by the PP during presentation considering a village at a distance of 150 meters.
9. Fixed pipe sprinklers shall be provided on stock pile.
10. A kachha road is passing through the western side of the lease thus PP should provide alternate public road for the villagers.
11. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in

three rows). 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 6120 no's of trees will be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

12. Transportation of material shall be done in covered vehicles.
13. Transportation of minerals shall not be carried out through forest area.
14. The OB till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the IBM.
15. As proposed, garland drains of 1500mx2.0mx15m will be developed for rain water management and same shall be connected with three settling tank of for proper sedimentation and retention. The settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.

Following drain are suggested for management of mine discharge and runoff:

Sr No	Number	Location	Size
1	Garland drain GD_1	Within the barrier zone	Length - 1500m Width - 2m Depth - 1.5m

Following settling pit are suggested to control sedimentation problem:

Garland drain no.	No. of Settling pit	Size L X W X D m
GD_1	ST 1 ST 2 ST 3	30 m x 7.5m x 3m 20 m x 7.5m x 3m 30 m x 7.5m x 3m

16. Regular water spraying should be practiced on 350 meter long 06 meter wide transportation road for dust suppression apart from the haul road and lease area. It shall be ensured that water spraying shall be practiced at least 4 times in a day.
17. The existing and proposed land use plan of the mine is as follows:

Sr. No	Land Use	Present (Ha)	Conceptual period (Ha)
1.	Pit	0.285	4.981
2.	Dumps	Nil	Nil
3	Infrastructure & Roads	0.15	Nil
4	Mineral storage	Nil	Nil
5	Plantation Area	0.10	1.12
6	Un worked area	5.566	0
	Total	6.101	6.101
1	Reclamation	Nil	1.101
2	Plantation	Nil	2.221 ha, 2220 Number in lease area and 3900 in buffer zone
2.1	Backfilled area	Nil	1.101 ha, No of trees – 1100
2.2	Un-worked area	Nil	1.12 ha, No. of trees – 1120
2.3	Bench	Nil	Nil
3	Water body	Nil	3.88

18. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.

19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
20. The commitments made in the public hearing are to be fulfilled by the PP.
21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

23. The proposed EMP cost is Rs. 21.25 lacks and Rs. 10.75 lacks /year are proposed as recurring expenses out of which Rs. 0.5 lacks is proposed for green belt development and Rs. 2.00 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
 24. Under CSR activity, Rs. 5.00 lacks are proposed for the next 05 years in different activities and should be implemented through respective committees.
 25. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
 26. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
 27. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
 28. PP will comply with all the commitments made vide letter dated 20/06/2018.
 29. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
4. **Case No. - 5582/2017 Shri Sandeep Kumar Bansal, PO - Jaitwara, Dist. Satna, MP – 485221. Prior Environment Clearance for White Clay Mine in an area of 16.187 Ha. (25,000 TPA) (Khasra no. 489P) at Village- Paldev, Tehsil - Majhgawan, Dist. Satna (MP). (EMP)**

This is case of White Clay Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is 16.187 Ha located (Khasra no. 489P) at Village- Paldev, Tehsil - Majhgawan, Dist. Satna (MP). The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.606 dated: 25/02/2017 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was presented by the PP and their consultant in the 296th SEAC meeting dated 07/11/2017. The committee after presentation decided that PP should submit a comprehensive EMP through QCI/NABET **accredited** consultant addressing following issues:-

- a. Management and disposal plan of OB.
- b. One month monitoring should be carried out for air, water and noise pollutants. Monitoring on atleast 06 Stations should be carried out for Ambient Air, Surface Water, Ground Water, Noise and Soil by selecting suitable locations in core zone and buffer zone. Villages such as paldeo, Naubasta, Muradpur and one school should also be selected in monitoring locations.
- c. Transportation and evacuation plan of minerals considering production volume of all the mines within 500 meters radius.
- d. Existing scenario of site should be discussed in the EMP in detail.
- e. EMP should be supplemented by the recent photographs of the site.
- f. Details of existing facilities and machineries available on site should be discussed in the EMP.
- g. Any alternate route avoiding the nearby habitations.
- h. During monitoring, if any sensitivity is observed by the monitoring agency, additional monitoring stations should be added and same should be inferred in the EIA report.
- i. Land use plan should be plotted on the map.
- j. Depiction in the lay out map of location of retaining wall which are proposed in the ultimate pit limit.
- k. CSR activity in the nearby villages.
- l. Occupational health survey in the nearby villages which are falling within one KM periphery of the M. L. area.
- m. Revised proposal of proposed Environmental Management Cell with proper sub-ordinate staff.

PP vide letter dated 04/06/2018 has submitted the comprehensive EMP, which was placed before the committee.

The case was scheduled for the EMP presentation during presentation and perusal of the documents it was observed that a complaint is received for this project which was forwarded by SEIAA vide letter no. 1616/SEIAA/18 dated 03/02/2018 wherein Sarpanch, Sachiv and some villagers, Gram Panchayat-Paldeo has stated that the hillock where mining is proposed plantation was carried out under Rozgar Guarantee Scheme about 15 years back and now these plants are fully grown up and they have also raised this issue to the higher authority and EC of this case was withheld in MoEF&CC. On perusal of the above complaint committee decided that PP may provide the complete chronology till date of the case wrt EC as mining lease was sanctioned in 2004, why EC was not issued by the MoEF&CC when presented there two years back, inventory of trees existing on the lease area and needs to be uprooted with scheme of compulsorily plantation and details of the expenditure made under Rozgar Guarantee Scheme about 15 years back for carrying out plantation through competent district authority for further consideration of the project.

5. **Case No. – 2671/2015 Smt. Urmila Chaturvedi, M.M. Choubey Ward, Behind Chaturvedi Complex, Katni (M.P.)-483501.Prior Environment Clearance for approval of Rajarwara Limestone Mines Lease Area-2.902 ha., Capacity - 32,000 MTPA,(Revised Form-I with revised area of 2.65 and Capacity -50,000 TPA) at Village-Rajarwara, Tehsil-Vijayraghavgarh, District-Katni (M.P.).**

Earlier this case was scheduled in 195th SEAC meeting dated 01/06/2015 wherein it was recorded that: This is a case of mining of Lime Stone Mine. The application was forwarded by SEIAA to SEAC for scoping / appraisal. The proposed site is located at Village-Rajarwara, Tehsil-Vijayraghavgarh, and District-Katni in 2.902 ha. It was reported that this is an old operational mine. The project requires prior EC before commencement of any activity at site. The project falls under category 1(a), B-1. After deliberations committee issued following TORs' in addition to the standard TOR:

- History of the Mine since beginning along with the present status of the mine.
- Production figures prior to Sept 2013 and after that till date duly verified from the concerned Mining Officer.
- Details of the measures taken for pollution Control along with the status of green area developed at site.

- Compliance of the conditions of the Consents granted by the MPPCB to be submitted with EIA.

During presentation following details were provided by the PP:

1. Name of the project & its location:

Rajarwara Limestone mines over an area of 2.65 ha.

Location- Village – Rajarwara, Post – Kahanga0n, Thana- Vijayraghavgarh

District – Katni, Dist-Madhya Pradesh.

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

Name of the applicant/lessee -Smt. Urmila Chaturvedi.

Address- M.M. Choubey ward, Behind Chaturvedi Complex, Katni (M.P.)

E-mail- rlm.katni@gmail.com

Contact No.- 8888858451, 8878598829, 9755210233

3. Latitude and Longitude of the project

Latitude- 23°59'52.5" to 24°00'00.2" N

Longitude- 80°30'24.2" to 80°30'35.0" E

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

Not applicable

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

Nature of proposal- New, the proposed project is for extension & amendment in terms of reference.

Total area- 2.65 ha.

Project components-

Description	Details
Area	2.65 ha.
Mining Method	Opencast mechanised Method
Life of the mine	7.0 Years
Mineral Resource and Reserve	Measured Mineral Resource= 345687 t. Probable Mineral Reserve = 201314 t
Altitude of ML area	Highest elevation - 390 m R.L. towards North Lowest elevation - 389m R.L located in central part
Ultimate depth of the mine	31 m bgl
Water Requirement	Total water requirement= 8.0 KLD 2.25 KLD (Drinking & Domestic Uses) + 3.75 KLD (Dust Suppression) + 2.0 KLD (Green Belt)
Employment Generation	50
Project cost	80 lakh

Site Connectivity

Nearest Town	Kymore, approx.12 Km
Nearest Railway Station	Jhukehi railway station, approx 10 km in towards West direction.
Nearest Airport	Jabalpur Airport, approx 113 Km towards SW direction.
Nearest Highway	NH 7, Approx. 6.5 km towards West direction

6. Whether the project is in the critically Polluted Area (CPA):

No

7. Cost of the project:

Proposed Cost of the project is Rs. 80 lakh

8. Employment generated/to be generated:

About 50 people will be given direct employment

9. Benefits of the project:

Improvement in the Physical Infrastructure -

- Building/strengthening of existing roads in the area.
- Development of educational facilities for the community
- Arrangement of drinking water to the villages,
- Extending health care

Improvement in the Social Infrastructure-

- Generation of employment.
- Increment in revenue to the State by way of royalty.
- Improvement in standard of living.

10. Whether new or expansion project .If expansion: i from MT to MT ii what is the % of expansion.

Not applicable

**11. If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.
1**

Not applicable

12. If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF

Not applicable

13. No. and Date of the ToR /and revised ToR, if any, letter issued by the authority.

TOR – 772/PS-MS/MPPCB/SEAC/TOR (195)/2015 dated 08/072015.

14. No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)

Not applicable

15. If the project was considered in EAC, Pl. gives dates of the meeting (s).

Yes, the project was considered in 195th SEAC meeting dated 01/06/2015

16. Type of mine: (Open cast/Underground/mixed):

Open cast

17. Capacity of the mine applied for

Proposed Capacity of mine- 50,000 TPA

18. ML Area i. As per block allotment ii. As per approved mine plan

2.65 ha.

19. Date of approval of mine plan, mine closure plan, status & date

Date of approval of mine plan-12/03/2015

20. Date of Board's approval:

Not applicable

21. Date of Ground water clearance:

Not required.

22. Date of mine closure approval

12/03/2015

23. Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost.

Budget for Environmental protection

Sl. No.	Measures	Capital cost (in Rs.)	Annual recurring cost (in Rs.)
		Proposed	Proposed
1	Dust suppression (Fixed type Sprinkler)	3,00,000	2,50,000
2	Garland Drain	1,50,000	75,000
	Protective Bund	50,000/-	
3	Pollution Monitoring	--	Air – 1,00,000/- Water – 25,000/-
4	Green belt & afforestation	--	2,00,000
Total		5,00,000	6,50,000

Capital Investment for socio economic measures

S. No	Activities	fund in lakhs / year
1	Health awareness and camps for local community in village Rajarwara, Deosori, and Kharkhari	0.50
2	Financial Assistance for Construction of separate toilets for boys and girls in schools in village Rajarwara, Deosori	1.0
3	Providing Computer in the Higher Secondary school in village Rajarwara along with a instructor	1.50
4	Providing solar panel to villagers in village Rajerwara	0.50
5	Environmental awareness camp regarding MSW management.	0.50
TOTAL		4.00

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

Approx. 1000 plants will be planted along haul road and around mining lease.

Species Suggested for Plantation

SI. No.	Name
1	Mango
2	Karanj
3	Shisham
4	Gulmohar
5	Bamboo
6	Munga
7	Eucalyptus
8	Amla
9	Peepal
10	Neem

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

Name	Distance /direction
Tons/Tamasa River	2 km North
Koilari Nadi	6 km South
Katni Nadi	8 km South

PP vide letter dated 12/04/2018 has submitted an application for the Extension of validity of TOR, as the validity of TOR was till 31/05/2018, which was forwarded through SEIAA vide letter no. 90 dated 24/04/2018. SEIAA has forwarded this application along with the Revised Form-I and PFR. In the revised Form-I lease area is changed from 2.902 hectares to 2.65 hectares and Production Capacity is 50,000 TPA from 32,000 TPA which was placed before the committee. Committee observed that the TOR was issued in 195th SEAC meeting dated

01/06/2015 its validity was up to 31/05/2018 and as per MoEF&CC OM No. J-11013/41/2006-IA-II (I) (Part) dated 08/10/2014 it can be further extended for one year by regulatory authority with Revised Capacity of 50,000 TPA. The Committee recommends that since PP has applied for the TOR validity extension on dated 12/04/2018, the TOR's validity can be further extended for one more year with validity up to 19/06/2019 as per MoEF&CC OM No. J-11013/41/2006-IA-II (I) (Part) dated 08/10/2014.

6. Case No. – 5683/2018 Shri Umesh Kumar Singh, Flat No. 301, Gangotri Apartment, Jawahar Nagar, Gurudham, Varanasi, UP – 221005 Prior Environment Clearance for Stone Quarry in an area of 6.07 Ha. (3,75,000 TPA or 1,50,000 cum/year) (Khasra no. 498/2) at Village- Gada, 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. 498/26) at Village- Gada, Tehsil - Hanumana, Dist. Rewa (MP) 6.07. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office vide letter No. 990 dated: 31/03/2018 has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of 15.57 ha including this mine.

Salients features of the project submitted by the PP during presentation are as follows:

1. Name of the project & its location:

Gada Stone Quarry over an area of 6.07 ha.

Location- Village – Gada, Post – Shiv Garh, Tehsil - Hanumana, Distt - Rewa, M.P.

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

Name of the applicant/lessee - Sri Umesh Kumar singh

Address- Flat No 301, Gangotri Apartment

Jawahar Nagar, Gurudh

Varansi (U.P.) Pin code – 221005

E-mail – mcc001mahadeoconstruction.com

Contact No.- 09794996662

3. Latitude and Longitude of the project

Pillar no.	Latitude	Longitude
1.	N24°40'28.8"	E 082°04'20.5"
2.	N24°40'28.11"	E 082°04'34.7"
3.	N 24°40'23.9"	E 082°04'34.5"
4.	N 24°40'25.1"	E 082°04'21.1"

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

Not applicable.

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

Nature of proposal- New

Total area- 6.07 ha.

Project components-

Description	Details
Mining Method	Opencast mechanized method
Mining Equipment	(i) Atlas Copco Compressor - 4 (ii) Jack Hammer - 4 (iii) LM 100 - 1 (iv) L & T PC- 200/ Hyd. Excavator – 2 (v) Dumper – 10t. for Haulage Within the leasehold area and 16t. for Transport from mines head to the destination
Life of the mine	6 years
Mineral Resource and Reserve	Probable Mineral Reserve – 744263 cum Pre feasibility mineral resource – 63047 cum
Ultimate depth of the mine	409m RL
Employment Generation	50

Project cost	150 Lakhs
Proposed Bench	Height : 6 m Width : 6 m to 10m
Water Requirement	25 m ³ /day (Mining- 17 cum, Green Belt – 5 cum & Domestic use – 3 cum.)
Use of Mineral	As ballast in railway project, building material and road metal

Site Connectivity

Nearest Airport	Varanasi at a distance of 117 km in north-east direction
Nearest Highway	NH-7 at 11km near Hanumana
Nearest Railway Station	The nearest rail head is at Mirzapur on Mughalsarai – Allahabad B.G. Section of Northern Railway at 71 kms in north-east direction.
IBM approval : Date	MPLN Approved by Director of Geology & Mining on 11.04.2017

6. Whether the project is in the critically Polluted Area (CPA):

No

7. Cost of the project:

Rs. 150 lakhs

8. Employment generated/to be generated:

About 50 people will be given direct employment and indirect employment to 75 persons.

9. Benefits of the project:

Improvement in the Physical Infrastructure -

- Building/strengthening of existing roads in the area.
- Development of educational facilities for the community

- Arrangement of drinking water to the villages,
- Extending health care

Improvement in the Social Infrastructure-

- Generation of employment.
- Increment in revenue to the State by way of royalty.
- Improvement in standard of living.

10. Whether new or expansion project .If expansion: i from MT to MT ii what is the % of expansion.

Not applicable

11. If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.

1

Not applicable

12. If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF

Not applicable

13. No. and Date of the ToR /and revised ToR, if any, letter issued by the authority.

No

14. No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)

Not applicable.

15. If the project was considered in EAC, Pl. gives dates of the meeting (s).

No.

16. Type of Mine: (Open cast/Underground/mixed):

Open cast

17. Capacity of the mine applied for

Proposed Capacity of mine- 375000 TPA.

18. ML Area i. As per block allotment ii. As per approved mine plan

6.07 ha.

19. Date of approval of mine plan, mine closure plan, status & date

Date of approval of mine plan- 11.04.2017

20. Date of Board's approval:

Not applicable

21. Date of Ground water clearance:

Not required.

22. Date of mine closure approval

--

23. Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost.

Budget for Environmental protection

Particulars	Capital Cost (Rs.)	Recurring Cost (Rs.) /annum
Pollution Control		
Dust suppression (Water tanker with sprinkler-350m) and Fixed type sprinkler – 300m	8,00,000	3,00,000 /-
Settling tank (2 No – Area – 750 sqm x 3m) and Garland drain (1062m x 2m x 1.5m) et	4,00,000	50,000/-
Pollution Monitoring	--	100,000/- (Air-50000/- 6 monthly except monsoon) (Water – 35000/- quarterly) (Soil & Noise – 15000/- 6 monthly)
Green belt & afforestation	50,000	5,00,000/-

Road construction (315m)	5,00,000/-	1,00,000/-
Cost of PPE	2,00,000/-	2,00,000/-
Occupational health and Safety of workers	1,00,000 /	1,00,000 /-
Total	20,50,000/-	13,50,000 /-

Budget for CSR

S. No.	Activities	Allocation of fund per annum
A	Health awareness camps for local community in village Gada, Raghunathgarh and Shiv Garh etc.	100,000/-
B	Agriculture awareness Camp – Dissipation of knowledge on drip irrigation and latest technology for agriculture in village within 5km radius .	1,00,000/-
C	Potable Drinking water supply during summer season	300,000/-
Total		5,00,000/-

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

Details are as under.

SL.NO.	SPECIES PROPOSED	NUMBER TO BE PLANTED
1	Neem	400
2	Pipal	400
3	Karanj	1000
4	Khamer	1000
5	Dalbergia sissoo	400
6	Amla	500
7	Gulmohar	700
8	Mango	400
9	Mahua	800
10	Bel	400
Total		6000

Year	Along transport route		Green Belt		Total	
	Area (ha)	Trees	Area (ha)	Trees	Area (ha)	Trees
1	1.0 ha	1000	0.80	800	1.80	1800
2	1.20 ha	1200	-	-	1.20 ha	1200
3	1.0 ha	1000	-	-	1.0 ha	1000
4	1.0 ha	1000	-	-	1.0 ha	1000
5	1.0 ha	1000	-	-	1.0 ha	1000
Total	5.20	5200	0.80	800	6.0	6000

Approximate cost of per plant will be Rs. 500 /-

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

Seasonal Nala: Approx 0.75 Km west direction.

The case was presented by the PP and their consultant wherein after discussion committee asked PP to submit responses on following issues:

1. Mining officer letter regarding number of mines within 500 mts radius.
2. Revised plantation species.
3. Revised EMP incorporating the cost of OHS and PPE's.

PP vide letter dated 20/06/2018 has submitted the response of above queries which was placed before the committee. Committee after perusal found the response submitted by PP satisfactory. The other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone not exceeding 1,50,000 cum/year as per approved mine plan.
2. PP should explore possibility of using solar lights in office /rest areas.
3. Overhead sprinklers arrangements should be provided for dust suppression at the exit gate of the lease area.

4. Approach road from site to the main road will be maintained by the PP.
 5. A crusher is also proposed within the lease area for which wind breaking wall of minimum 03 meters height of MS should be erected all around the crusher to avoid fugitive emissions.
 6. Top soil shall be simultaneously used for the plantation.
7. **Case No. - 5644/2018 M/s RSPL Limited, C-1, 2 & 3, 3rd Floor, PP Tower "A", Netaji Subhash Place, Wazirpur, Pitampura, Delhi – 110034. Prior Environment Clearance for Expansion in Optical Brightener Agent (OBA) Plant from 3,000 MTPA to 8,400 MTPA in existing premises at Sidhgawam Distt. - Sagar, (M.P.) Cat. - 5(f) Synthetic Organic Chemicals.**

This is case of Prior Environment Clearance for Expansion in Optical Brightener Agent (OBA) Plant from 3,000 MTPA to 8,400 MTPA in existing premises at Plot no. 42 to 59 Sector-K Sidhgawan, IIDC Growth Center District-Sagar MP.

S.N.	Description	Details															
1	Name of the project & its location:	<p>Project Name: Expansion in Optical Brightener Agent (OBA) Plant from 3000 MTPA to 8400 MTPA in Existing Premises</p> <p>Location: Plot Nos. 42 to 59, Sector - K, Sidhgawan Village, IIDC Growth Center, District -Sagar, MP. Site Location map on Google is given in Annexure 1.</p>															
2	Name of the Company, Address Tele No. & E-mail	<p>M/s. RSPL Limited</p> <p>Address: Plot No. 119-121 (part), Block P & T, Fazalganj, Kalpi Road, Kanpur-208012 Telephone No – 09313159502 Email- himanshu.tilwankar@rsplgroup.com</p>															
3	Latitude and Longitude of the project.	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>23°53'31.08"N</td> <td>78°51'0.67"E</td> </tr> <tr> <td>B</td> <td>23°53'41.89"N</td> <td>78°50'58.91"E</td> </tr> <tr> <td>C</td> <td>23°53'42.71"N</td> <td>78°51'5.27"E</td> </tr> <tr> <td>D</td> <td>23°53'31.75"N</td> <td>78°51'7.09"E</td> </tr> </tbody> </table> <p>Site Location map on Google is given in Annexure 1.</p>	Sr. No.	Latitude	Longitude	A	23°53'31.08"N	78°51'0.67"E	B	23°53'41.89"N	78°50'58.91"E	C	23°53'42.71"N	78°51'5.27"E	D	23°53'31.75"N	78°51'7.09"E
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D	23°53'31.75"N	78°51'7.09"E															
4	If a Joint venture, the names & addresses of the JV partners including their share.	Not Applicable. It's a private Limited Company.															
5	Project brief:	This is an existing project, located at IIDC Growth Centre Sidhgawan, District Sagar, M.P. Presently we are manufacturing Detergent Cake, Detergent Powder, AcidSlurry & Optical Brightening Agent (OBA). Now we have proposed to expand the OBA from 3000 MTA to 8400 MTA and capacity of all other products will remain same.															

	<ul style="list-style-type: none"> nature of proposal (new/expansion,) Total area- land use, project components, connectivity to the site etc. 	<ul style="list-style-type: none"> Nature of the Project – Expansion Total Plot Area – 62000 sq.m (Existing – 44000 sq.m + Additional – 18000 sq.m.) Site layout map with Land use, project components and site connectivity is given in Annexure-2.
6	Cost of the project.	Total INR - 145.45 Crore (Existing- 87.33 Cr, Proposed- 58.12 Cr)
7	Whether the project is in Critically Polluted area	No
8	If the project is for EC under EIA Notification, 2006	
a)	For the first time appraisal by EAC (i) Date of ToR: (ii) Date of Public Hearing, location (iii) Major issues raised during PH and response of PP	We have submitted our application to SEIAA, MP on 20.01.2018, and this is the presentation for ToR.
b)	Second appraisal (i) Date of first /earlier appraisal (ii) Details of the information sought by the EAC with the response of the PP.	Not Applicable
9	If the project involves diversion of forest land (i) extend of the forest land (ii) status of forest clearance	The proposed project is situated in Industrial Area Sidhgawan, District Sagar, MP, hence does not involves diversion of forest land etc.
10	If the project falls within 10 km of eco-sensitive area (i) Name of eco- sensitive area and distance from the project site, (ii) status of clearance from National Board for wild life	The proposed project is situated in Industrial Area Sidhgawan, District Sagar, MP & There is no eco-sensitive area falls within 10 km radius of the project site.
11	Waste Management:	
i	Water requirement, source, status of clearance	Water requirement, source and status of clearance are given in Annexure 3 .
ii	Waste water quantity, treatment capacity, detail	Details of wastewater generation and treatment facility with capacities are presented in Annexure 4 .
iii	Recycling / reuse of treated water and disposal	Details of recycling and reuse of treated water is presented in water budget given in Annexure 3 .
iv	Solid Waste Management	Details of Solid Waste Management are presented in Annexure 5 .
v	Hazardous Waste Management	Details of Hazardous Waste Management are presented in Annexure 6 .
12	Other details:	
i	Noise Modeling with noise control measures for airports	Not Applicable, since it is not an airport project.
ii	Details of water bodies, impact on	Since there will be no discharge from our premises, hence we do

	drainage if any	not anticipate any adverse impact on nearby water bodies. However a detailed study will be presented in our EIA Report.
iii	Details of tree cutting	There is no tree cutting involved in the proposed project.
iv	Energy conservation measures with estimated saving	We will take all adequate energy conservation measures to save the energy. The details of which will be submitted in EIA report. We estimate that we will be able to save about 5-10% of electricity as compared to conventional process.
v	Green belt development (20 % of construction projects and 33 % for others)	Total Greenbelt Area is 14,682 sq.m (23.68% of the total plot area)
vi	Parking requirement with provision made	We anticipate a maximum parking of about 10 trucks at a time for which we have made a provision. Similarly, parking for staff two wheelers and four wheelers has also been made.
13	If the project involves foreshore facilities (i) Shoreline study (ii) Dredging details, disposal of dredge material (iii) Reclamation (iv) Cargo handling with dust control measures (v) Oil Spill Contingent Management Plan	The proposed project does not involve foreshore facilities.
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:	The proposed project does not involve Marine Disposal.
15	Other information:	
i	Investment/Cost of the project is Rs (in crore)	Total INR - 145.45 Crore (Existing- 87.33 Cr, Proposed- 58.12 Cr)
ii	Employment potential	No of Employee - 350 nos.
iii	Benefits of the project	There will be direct and indirect job opportunities created by the project during both, the operation as well as construction phases.
16	Date of Ground water clearance	Applied for CGWA Clearance on 28.03.2017, and is under process.
17	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost.	Cost of EMP including capital & recurring cost and Budget for CSR activities will be Provided in EIA study.
18	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions.	Details of plantation with budgetary cost will be provided in EIA study.
19	Any river/Nallah flowing near or adjacent to the proposed mine. If yes,	Not Applicable

please give details.

The case was presented by the PP and their consultant in the 307th SEAC meeting dated 23/02/2018, wherein PP submitted that the project is located in Industrial Area Sidhgawan, Sagar which is in existence since 1991. There is no agriculture land, forest land or any water body in the area. No national park, sanctuary or any eco sensitive area exists within 10 kms radius. The nearest railway station is Makronia at 4.9 kms in SW and the nearest airport is Jabalpur at 145 km. N.H.-86 passes at 1.98 kms in W direction. That the proposed plant is located in industrial area Sidhgawan, Sagar and the existing unit is in operation. For the existing unit, public hearing was already conducted three year back hence Public Hearing may be exempted in this expansion case as the plant is located in an industrial area. Also it was requested by PP that they have already conducted environment monitoring for post monsoon season and the available environmental data may be allowed for use in the EIA.

The committee after deliberations decided to issue standard TOR prescribed by MoEF&CC with following additional TORs:

1. Justify in EIA report how zero discharge will be maintained.
2. MoEF&CC compliance report of earlier EC conditions.
3. Available baseline data can be used in the EIA but data should not be older than 02 years. All data used has to be validated by approved Laboratory.
4. Justify in EIA report wrt to available space and proposed machinery for the new plant and other facilities.
5. Green belt plan with name of species, their numbers on layout map should be provided with the EIA report.
6. Land use plan should be submitted with the EIA report.
7. 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.
8. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
9. 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.
10. 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.
11. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.

12. The EIA document shall be printed on both sides, as far as possible.
13. 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 EIA vide letter dated 05/05/18 which was forwarded through SEIAA vide letter no. 516 dated 15/05/2018.

The EIA was presented by the PP and their Consultant wherein following details were provided by the PP:

S.No.	Title	Existing Area (Sq.m)	Propose Area (Sq.m)	Total Area (sq.m)	% of Total Area
1	Processing Area	7407	2323	9730	15.71
2	Storage Area	5025	0	5025	8.1
3	Utilities Area	1272	2364	3636	5.86

S.No.	Title	Existing Area (Sq.m)	Propose Area (Sq.m)	Total Area (sq.m)	% of Total Area
4	Wastewater Treatment Area	879	1904	2783	4.49
5	Non Processing Area	622	0	622	1.0
6	Parking Area	3826	0	3826	6.17
7	Total Construction Area	19031	6591	25622	41.33
8	Road & Open Space	19063	4254	23317	37.6
9	Green Area (Inside the Plant)	5906	7155	13061	21.1
10	Grand Total (7+8+9)	44000	18000	62000	100
11	Green Area (Outside the Plant)	2788	1781	4569	7.4

Wastewater Generation:

S.No.	Area of Wastewater Generation	Effluent Generation, KLD			Treatment and Disposal Facility
		Existing	Proposed	Total	
1	Domestic	8	8	16	To ETP followed by RO
2	DM Plant	2.5	2.5	5	
3	Process	95	171	266	To MEE
4	Boiler	2.5	3.5	6	To ETP followed by RO
5	Softener	0	3	3	
6	Cooling Tower	16	30	46	
7	Scrubber	4	8	12	To MEE
8	Other/Floor Washings	1	2	3	To ETP followed by RO

9	Total	129	228	357	<ul style="list-style-type: none"> • 278 KLD from process to MEE, • 79 KLD to ETP and then 30 KLD to RO • RO reject to MEE
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Solid Waste Generation and Management:

S.No.	Type of Waste	Quantity per Year			Source	Method of Collection	Treatment / Disposal
		Existing	Proposed	Total			
1	Salt Residue from MEE	90 MTA	90 MTA	180 MTA	MEE	Bag	Reused in our own process
2	Domestic Waste	1 MTA	0.5 MTA	1.5 MTA	Domestic/Canteen Waste	Bins	Send to Authorized Vendor
3	Packaging Waste	5 MTA	0	5 MTA	Packaging Area	Bag	Send to our Recycling Plant at Rania, Kanpur
4	Fly Ash	450 MTA	675 MTA	1125 MTA	Boiler	Covered Yard	Send to Brick Manufacturer

Hazardous Waste Generation and Management-RSPL has taken membership from RAMKY for hazardous waste disposal.

S. No.	Type of Waste	Hazardous Waste Category as per 2016	Quantity per Year		Source		Method of Collection	Treatment / Disposal
			Existing	Proposed	Total			
1	ETP Sludge	35.3	50 MTA	50 MTA	100 MTA	ETP	Bag	Sent to TSDF site –

								RamkyPithampur
2	Spent Acid	26.3	6857 MTA	0	6857 MTA	Acid Slurry Plant	Tank	Send to Authorized SSP Plant for manufacturing of fertilizer.
3	Spent / Used Oil	5.1	1.5 KLA	1.5 KLA	3 KLA	All Plant	Drum	Sent to authorized vendor
4	Discarded Bags/ Containers, Drums & Liners	33.1	50 MTA	30 MTA	80 MTA	All Plant	NA	Sent to authorized vendor/ Sent to Ramky Pithampur

EMP Budget with Capital and Recurring Cost

Sr. No.	Head	Approximate recurring cost per annum (Rs. In lacs)	Approximate Capital cost (Rs. In Lacs)	Basis for cost estimates
1	Air pollution control	10	160	The capital cost would include cost of providing adequate height of the stack, ladder and platform, Air pollution control measures. Recurring cost would include cost of monitoring of air environment.
2	Water pollution control	35	350	Capital cost would include cost of ETP, RO & MEE as well as cost for civil work, mechanical work,

Sr. No.	Head	Approximate recurring cost per annum (Rs. In lacs)	Approximate Capital cost (Rs. In Lacs)	Basis for cost estimates
				electrical work and piping work is included. Recurring cost is cost of treatment of wastewater at site.
3	Noise pollution monitoring	2	15	Capital cost includes cost of acoustic enclosures for DG Sets. Recurring cost would include cost of noise monitoring
4	Solid and hazardous waste management	5	10	Capital cost would include cost of providing storage area/Shades for hazardous waste and membership of TSDF Fee. Recurring cost would include cost of land filling and transportation.
5	Environment monitoring and management	2	5	The recurring cost would be incurred on hiring of consultants and payment of various statutory fees to regulatory agencies.
6	Green belt	2	15	Capital cost includes plantation of greenbelts. Recurring cost includes Maintenance of greenbelt.
Total		56	555	

CSR Budgetary for Five Years.

S. No.	Activities	Year wise allocation of Fund (INR)					Total Cost
		2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	
1	Education	1,97,195	2,16,915	2,38,605	2,62,466	2,88,714	12,03,895
a.	Scholarship and Educational Aids for the	65,732	72,305	79,535	87,489	96,238	4,01,298

S. No	Activities	Year wise allocation of Fund (INR)					Total Cost
		2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	
	Primary Schools of the study area.						
b.	Distribution of School uniform to economically weaker sections.	74,496	81,946	90,140	99,154	1,09,069	4,54,805
c.	Renovation of school/Anganwadi building and construction of toilets for girls and boys.	56,967	62,664	68,930	75,824	83,407	3,47,792
2	Health & Hygiene	12,18,227	13,40,051	14,74,056	16,21,459	17,83,606	74,37,399
a.	Promotion and improvement in living standard of Tribal Community-education/health/basic infrastructure facilities.	83,260	91,586	1,00,745	1,10,819	1,21,901	5,08,312
b.	Arrangement of health checkup camp for the villagers at regular intervals.	7,93,162	8,72,479	9,59,727	10,55,699	11,61,269	48,42,335
c.	Arrangement of veterinary doctors for regular checkup of the cattles.	30,675	33,743	37,116	40,828	44,911	1,87,273

S. No	Activities	Year wise allocation of Fund (INR)					Total Cost
		2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	
d.	Distribution of tri-cycle to physically challenged group.	3,11,129	3,42,243	3,76,468	4,14,113	4,55,525	18,99,479
3	Drinking Water	2,19,106	2,41,016	2,65,118	2,91,629	3,20,793	13,37,661
a.	Provision of potable water supply for study area Schools/ villages.	2,19,106	2,41,016	2,65,118	2,91,629	3,20,793	13,37,661
4	Infrastructure Development	4,38,210	4,82,032	5,30,235	5,83,259	6,41,585	26,75,323
a.	Construction of public toilets (SulabhShauchalaya), gutter lines and drainage system.	4,38,210	4,82,032	5,30,235	5,83,259	6,41,585	26,75,323
5	Employment Generation	39,438	43,383	47,721	52,493	57,743	2,40,779
a.	Skill development programme for youth of the surrounding villages.	39,438	43,383	47,721	52,493	57,743	2,40,779
6	Contribution to Prime Minister Relief Fund for Disaster Management	2,62,927	2,89,220	3,18,141	3,49,955	3,84,951	16,05,194
Total Amount		23,75,103	26,12,617	28,73,877	31,61,262	34,77,391	1,45,00,250

After detail discussion on 20.06.2018 in 317th meeting of SEAC, committee has asked the PP to submit the following information:

- Method of analysis carried-out for the COD and BOD in surface water and its co-relation with its standard measurements and reason for the COD, BOD parameters done in Ground-water samples.
- Based on the coal analysis report calculations for the consumption of coal and the quantity of ash generation.

PP has submitted the response of above quarries vide letter dated 20/06/2018 which was placed before the committee and the same found satisfactory. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Expansion in Optical Brightener Agent (OBA) Plant from 3,000 MTPA to 8,400 MTPA in existing premises and at an additional adjacent plot of 18,000 sq. meters at Sidhgawam Distt. - Sagar, (M.P.) Cat. - 5(f) Synthetic Organic Chemicals.

(A) PRE-CONSTRUCTION PHASE

1. During any construction/plant erection activity, proper curtaining of site should be carried out to protect nearby areas.
2. For dust suppression, regular sprinkling of water should be undertaken.
3. PP will obtain other necessary clearances/NOC from respective authorities.
4. Provisions shall be made for the housing of construction/plant erection labor within the site with all necessary infrastructure and facilities such as mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.

(B) CONSTRUCTION PHASE

5. PPE's such as helmet, welding shield, ear muffs etc should be provide to the workers during construction/plant erection activities.
6. Fire extinguishers should be provided on site during construction/ plant erection period.
7. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
8. Waste construction material should be recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
9. 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 17,630 sq meter area will be developed as green belt. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

10. MSW of various labours generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.
11. Waste oil generated from the DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization.

(C) POST CONSTRUCTION/OPERATIONAL PHASE

12. Total fresh water requirement for the project (existing & expansion) shall not exceed 327 KLD.
13. The domestic waste water 16 KLD should be treated in STP cum ETP.
14. As proposed, apart from existing ETP (40 KLD) & MEE (110 KLD) additional facilities for treatment of waste water ETP (100 KLD), MEE (410 KLD) & RO (30 KLD) shall be provided.
15. The high TDS stream from OBA plant shall be treated in MEE and salts from MEE shall be reused back in the process.
16. In the entire process vents of spin flesh dryer and OBA scrubber bag filters and alkali scrubber shall be provided.
17. In boiler stack mechanical dust collectors and bag filters shall be provided to bring the emissions within the stipulated norms.
18. No industrial effluent from the unit shall be discharged outside the plant premises and Zero discharge shall be maintained. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
19. The land use of the proposed facility is as follows:

S. No.	Title	Existing Area (Sq.m)	Proposed Area (Sq.m)	Total Area (sq.m)
1	Processing Area	7407	2323	9730
2	Storage Area	5025	0	5025

3	Utilities Area	1272	2364	3636
4	Wastewater Treatment Area	879	1904	2783
5	Non Processing Area	622	0	622
6	Parking Area	3826	0	3826
7	Total Construction Area	19031	6591	25622
8	Road & Open Space	19063	4254	23317
9	Green Area	5906	7155	13061
10	Grand Total (7+8+9)	44000	18000	62000
11	Plantation outside the Plant Boundary	2788	1781	4569

20. Hazardous wastes should be disposed off as per the authorization issued by MP Pollution Control Board.
21. Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
22. PP should explore the possibility of providing an integrated sensor based alarm system shall be provided by the PP to indicate any leakage of sulphuric acid from process and storage tanks. Automatic smoke, heat detection system should also be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
23. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the characteristics of waste handled and the floor must be

- structurally sound and chemically compatible with wastes. An acid proof dyke wall shall also be provided all around the storage area.
24. Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.
 25. The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
 26. Storage areas should be provided with adequate number of spill kits at suitable locations. The spill kits should be provided with compatible sorbent material in adequate quantity.
 27. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
 28. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
 29. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
 30. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.
 31. The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended, the Public Liability Insurance Act for handling of hazardous chemicals, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Solid Waste Management Rules, 2016 etc. (if applicable)
 32. All the storage tanks of raw materials/products shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls of suitable height shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.
 33. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
 34. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.

(D) ENTIRE LIFE OF THE PROJECT

35. The proposed EMP cost is Rs. 56.00 lacks and Rs. 555.00 lacks/year are proposed as recurring expenses out of which Rs. 2.00 lacks is proposed for green belt development and Rs. 15.00 lacks /year for recurring expenses for plantation in the proposed EMP of this project.

36. Under CSR activity, Rs. 1.45 crores lacks are proposed for the next 05 years in different activities and should be implemented through respective committees.
37. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell.
38. 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.
39. In case of any, change in scope of work, technology, modernization and enhancement of capacity/ built-up area/ project area shall again require prior environmental clearance as per EIA notification, 2006.
40. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
41. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

**8. Case No. 32/2016 Shri Vidhyanath Sapera R/o Vill. Shankarpur, Distt. Gwalior (M.P.)
Prior Environment Clearance for Stone quarry of area 2.5 ha. in Village, Kakhoda Tehsil
– Ghatigaon Distt. Gwalior (M.P.)**

Earlier this case was scheduled for presentation in the 310th SEAC meeting dated 24/03/2018 wherein it was recorded: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 308th SEAC meeting dated 24/02/2018. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

This case was again scheduled for the presentation in the 312th SEAC meeting dated 17/04/2018 wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in the 310th SEAC meeting dated 24/03/2018 & 308th SEAC meeting dated 24/02/2018. Committee decided to call the PP in subsequent meetings giving last chance to

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

This case was again scheduled for the presentation 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. Earlier PP was also absent in the 312th SEAC meeting dated 17/04/2018, 310th SEAC meeting dated 24/03/2018 & 308th SEAC meeting dated 24/02/2018. Committee decided that since sufficient opportunities have been given to the PP for appraisal and consideration of the project wherein PP remain absent, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

9. Case No. – 5694/2018 Sarpanch/Sachiv, Gram Panchayat Bhavan, Village - Gotara, Tehsil - Kusmi, Dist. Sidhi, MP – 486675 Prior Environment Clearance for Sand deposit in an area of 12.00 Ha. (1,70,910 cum per annum) (Khasra no. 1936) at Village- Gotara, Tehsil - Kusmi, Dist. Sidhi (MP)

This is case of Sand deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 1936) at Village- Gotara, Tehsil - Kusmi, Dist. Sidhi (MP) 12.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office vide letter no. 363 dated 23/4/2018 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. Committee after discussion and perusal of the documents & presentation asked PP to submit response on the following queries:

1. Revised Plantation details as suggested by the committee during presentation.
2. Revised EMP as suggested by the committee during presentation.

PP has submitted the reply of above query vide letter dated 20/06/2018 which was placed before the committee and same was found to be acceptable to the committee. 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':

- Production of Sand as per mine plan with quantity not exceeding 1,70,910 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 100 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- The lease area should be clearly distinguished and earmarked at the site.
- No diversion of active channel should be allowed for mining.
- A budgetary provision for Environmental management Plan of Rs. 2.30 lacks (capital) is made with a recurring expenditure of 7.75 Lacks. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return. Under CSR Rs. 2.40 lacks/year is proposed for various activities. A separate bank with cost sheet account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.

10. Case No. – 5695/2018 Sarpanch/Sachiv, Gram Panchayat Bhavan, Village - Balhod, Tehsil Manpur, Dist. Umariya, MP Prior Environment Clearance for Sand mine in an area of 20.0 Ha. (3,96,900 cum per annum) (Khasra no. 317/384) at Village- Mohbala, Tehsil - Manpur, Dist. Umariya (MP)

This is case of Sand mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 317/384) at Village- Mohbala, Tehsil - Manpur, Dist. Umariya (MP) 20.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office (Ekal Praman Patra) vide letter no. 971 dated: 28/05/2018 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

Government of Madhya Pradesh has prepared a New Policy for sand mining and as per the policy of State Government, Collector, Umariya (Mining), has transferred above Sand Mine of Son River to Gram Panchayats- Mohbala, Tehsil-Manpur, District-Umariya (MP) with new case no.i.e 5695/2018 in the name of Sarpanch, Gram Panchyat Village-Mohbala, Tehsil-Manpur, District-Umariya (MP).

The case was presented by the PP and their consultant wherein during presentation based on co-ordinates and Google image, it was observed that this case was earlier registered as **Case No.- 5121/2016 Shri Dushyant Choudhary, Authorized Signatory, M/s Prime Vision Industries Pvt. Ltd., 303M, 3rd Floor, Vishal Chamber, P-1, Sector-18, Noida, Gautam Buddha Nagar (UP) (SIA/MP/MIN/6262087/2017). Prior Environment Clearance for Sand Mining in an area of 20.00 ha. (6,00,000 cum/year) at Khasra no.-317/384, Village-Mohbala, Tehsil-Manpur, District-Umariya (MP)** and was presented by the PP and their consultant in the 81st SEAC-II meeting dated 22/06/2017 wherein it is recorded that:

“PP vide dated-20/06/2016 has submitted a letter of SDO (forest). SDO (forest) vide letter no. 442 dated 29/05/2017 has informed that the lease is < 2.00 kms (1.72 kms) away from the Eco-Sensitive Zone of Bandhavgarh Tiger Reserve and permission for sand mining should not be considered. Committee after perusal of the documents and letter issued from the SDO (forest) decided to send this case file to SEIAA as this case can't be recommended for the grant of EC as per MoEF&CC Notification SO 4027 (E) dated 13/12/2016 since sanctioned lease lies within the 2.00 kms Eco-sensitive Zone of Bandhavgarh Tiger Reserve”.

Considering above, SEIAA in its 454th meeting dated 07/11/2017 has decided that:

“after detailed discussion in view of the SEAC recommendations it was decided that the EC issued vide L.No. 1510/SEIAA/16 dated 19-05-2016 in this case is hereby withdrawn and revoked with immediate effect”.

The above facts were brought to the notice of the PP and their consultant that earlier EC was issued for the same lease and was later withdrawn by SEIAA as per the submission of SDO (forest) wherein SDO (forest) vide letter no. 442 dated 29/05/2017 has informed that the lease is < 2.00 kms (1.72 kms) away from the Eco-Sensitive Zone of Bandhavgarh Tiger Reserve and permission for sand mining should not be considered.

On perusal of the case file committee observed that District Collector, Umaria has issued Ekal Pramanpatra vide letter no. 971 dated 23/05/2018 mentioning that site is 5.60 kms away from the core zone and minimum 1.72 kms away from the buffer zone of Bandhavgarh Tiger Reserve which is exactly the same as mentioned by the SDO (forest) in earlier case no. 5121/2016. Thus committee recommends that based on above facts case cannot be considered for grant of EC as EC was withdrawn on the same lease in line with the recommendations made in 81st SEAC-II meeting dated 22/06/2017 and subsequently decision made by SEIAA in its 454th meeting dated 07/11/2017.

(Dr. Mohd. Akram Khan)
Member

(Dr. Sonal Mehta)
Member

(Prashant Shrivastava)
Member

(Mohd. Kasam Khan)
Chairman

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

Annexure- 'A'

Standard conditions applicable to Stone/Murram and Soil quarries:

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

Annexure- 'B'

Standard conditions applicable for the sand Mine Quarries*

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

Annexure- 'C'

Standard conditions applicable for the Khodu Bharu sand Mine Quarries*

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

Annexure- 'D'

General conditions applicable for the granting of TOR

1. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
2. An inventory of flora & fauna based on actual ground survey shall be presented.
3. Risk factors with their management plan should be discussed in the EIA report.
4. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
5. The EIA document shall be printed on both sides, as far as possible.
6. All documents should be properly indexed, page numbered.
7. Period/date of data collection should be clearly indicated.
8. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.

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