

The 301st meeting of the State Expert Appraisal Committee (SEAC) was held on 21st December, 2017 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

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

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

1. **Case No. - 5451/2016 M/s Hindustan Petroleum Corpn. Ltd, Mangalia Pol Depot (Indore), Sanver Road, Mangalia Village, Indore, (M.P.)-453771 Augmentation of existing HPCL POL depot including Additional Product Storage Tankage at Village. - Mangalia, Tehsil. Sanwer, Distt.- Indore, (M.P.) EIA CONSULTANT: M/s EQMS India Pvt. Ltd. Delhi.**

PROJECT PROPOSAL

The project proposal is for Augmentation of existing HPCL POL depot including Additional Product Storage Tankage at Vill. - Mangalia, The. Sanwer, Distt.- Indore, (M.P.) (Cat. – 6 (b) Project).

Brief Description Project Area & LAND

- The proposed project falls under the industrial area and there is no processing involve in this project. The transportation of material for storage purpose thru railway siding and also depend on existing pipeline form BPCL terminal.
- Mangliya industrial area is situated beside A.B. Road near Mangliya village 13 km away from Indore.
- In this area mainly medium major scale industries are established like dairy plant, solvent extraction, vegetable oil refinery, Vanaspati plant and Storage of petroleum product.
- Total No. of industries registered in the board are 13 out of which red category units are 11 and green are 02.
- The latitude and longitude of proposed site is 22° 48''56.70'N and 75 °55''7.51E.

Existing Facilities at Indore IRD Installation:

- Existing Capacity of Plant-18,450 KL Product & 2000 KL Water
- 12 Nos of above ground Storage Tanks
- 4 Nos U/G Tanks for MS, ethanol & SKO , 4 Nos A/G Horizontal tanks (LDO, FO).
- 1x8 Bays + 1x2 bays T/T Gantry
- Pump Houses, Admin building and other allied facilities.

Proposed Facilities:

- Proposed Capacity 42600 KL Product & 8000 KL Water.
- Dismantling of all tanks, Gantry, Pipeline, Pump house.
- New facilities proposed:.. Tanks-20 no. of varying capacity, TT Gantry (two rows of 8 bay), pump house, and Fire fighting lines/facilities other support facilities and infrastructure facilities like approach roads, Pump Houses, Admin building, and vehicles parking area, ETP etc.

Existing Tanks with Quantity

<u>Sl.No.</u>	<u>Class</u>	<u>Material</u>	<u>No of Tank</u>	<u>Quantity (KL)</u>
1	C	FO/LDO	5	780.00
2	A	Hexane/MS ULP	8	4,500.00
3	B	HSD/SKO/ATF	8	13,170.00
TOTAL			21	18,450.00
4	NA	Water (Fire Fighting)	2	2,000.00
Total			23	20,450

Proposed Tanks with Quantity

<u>Sl.No</u>	<u>Class</u>	<u>Material</u>	<u>No of Tank</u>	<u>Quantity (KL)</u>
1	C	Bio Diesel	2	3,100.00
2	A	Hexane/MS Ethanol	7	11,680.00
3	B	HSD/SKO/ATF	9	27,820.00
TOTAL			18	42,600.00
5	NA	Water (Fire Fighting)	2	8,000.00
Total			20	50,600.00

The case was presented by the PP and their consultant wherein during presentation it was observed from the Google image that that the existing site is surrounded by number of industries existing in the nearby area, village on the east and southern side and two other depot of IOCL and BPCL on the western side and primarily site seems to be unsuitable for the proposed augmentation.

The case was earlier discussed in the 285th SEAC meeting dated 26/1/2016 wherein it is recorded that committee after deliberations asked PP to first submit site feasibility study report for further expansion through modeling or other techniques as site is surrounded by other industrial units, bulk storage depots of IOCL & BPCL and village area with respect to following for consideration of TOR:-

1. During presentation it was submitted by PP that some existing facilities will be dismantled thus it should precisely be submitted that which facilities will be dismantled and facilities that will remain intact.
2. Proposed protection plan for the HPCL Plant and additional measures proposed for the protection of neighboring plants and village area.
3. Alternate sites should also be examined and discussed in the site feasibility study report.

PP vide letter dated 31/01/2017 has submitted the query reply which was forwarded by the SEIAA vide letter no. 5265/SEIAA/17 dated 13/02/2017.

The case was presented by the PP and their consultant in the 287th SEAC meeting dated 25/02/17 wherein PP submitted that all the existing storage tanks will be dismantled. PP further submitted that new terminal will be provided with state of the art automation and safety system fully conforming to OISD standard 244. PP also informed that due to existing infrastructural facilities such as railway siding which is shared by all the three existing terminals, this site is suitable for expansion and they have also carried out comprehensive quantitative risk assessment (QRA) and based on the report adequate measures are proposed for protection of HOCL terminal, neighboring terminals and village area. PP requested that they have started collecting the data from October, 2016 and may be allowed to use them in the EIA which was agreed by the committee. Committee after deliberations decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TOR's:-

1. EIA studies should be carried out considering the proposed master plan of the Indore city.
2. Any natural drainage nearby the facility should be protected and the detailed protection plan from any spillage should be discussed in the EIA report.
3. PP should provide the details of existing trees and plan for proposed green belt with area, name of species and their number in EIA report.
4. No parking will be allowed outside of the terminal premises. PP should submit detailed parking plan and traffic management plan considering the peak load in the EIA report.
5. Details of the plans to meet out crises such as fire accident to be furnished & presented in the EIA report.
6. Additional measures proposed for the protection of neighboring plants and village should be discussed in detail in the EIA report.
7. Details of existing on-site / Off-site emergency plan and the proposed modification in view of expansion to be submitted.
8. Details of existing Safe Guards (Environmental as well as safety) and the proposed augmentations to be presented in the report.
9. Study of the ground-water regime with specific reference to oil & grease shall be incorporated in the EIA study.
10. During presentation it was submitted by PP that some existing facilities will be dismantled thus it should precisely be submitted in EIA report that which facilities will be dismantled and facilities that will remain intact on layout map.
11. Proposed protection plan for the HPCL Plant and additional measures proposed for the protection of neighboring plants and village area.

12. Details of various alternate sites considered for the project be included in the EIA report.
13. Pre-dominant wind direction to be ascertained and accordingly the Safety & Environment Management Plans prepared and reported.
14. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.
15. Compliance report of consent conditions from Regional Officer, M. P. Pollution Control Board, Indore should be submitted with EIA report.

PP vide letter dated 29/03/2017 has submitted a request which was also forwarded by the SEIAA vide letter no. 212/SEIAA/2017 received on 17/04/2017 for seeking exemption from public hearing which was placed before the committee for discussion in 289th SEAC meeting dated 28/04/2017. Committee on perusal of the request observed that PP has stated that the proposed project is coming in existing Manglia Industrial Area and as per OM No. J-11013/36/2014-IA-1 dated 10/10/2014 & amendment dated 04/04/2016 public hearing is exempted to all projects located within the industrial estates which were notified prior to 14th September, 2006 i.e. However, PP has not attached any documentary evidence in support of their claim that Manglia Industrial Area was notified 14th September, 2006 except copy of land allotment letter for Hindustan Bulk Petroleum Depot. Thus committee after deliberations decided that PP should either provide documentary evidence in support of seeking exemption or carryout public hearing of the site as per the procedure laid down in the EIA Notification, 2006.

PP has submitted the EIA report vide letter dated 12.11.2017, which was forwarded by SEIAA vide letter no. 1242 dated 01.02.2017. PP again submitted the EIA report vide letter dated 06.12.2017 and the same was forwarded by SEIAA vide letter no. 1337 dated 11.12.2017.

The case was presented by the PP and their consultant. During presentation committee asked PP and consultant regarding twice submission of EIA report and difference thereof for which PP submitted that both the EIA's are identical and this happened because one EIA was submitted by PP and other copy was submitted by consultant. After presentation, PP was asked to submit response on following:

1. Detailed Land Use plan should be submitted compared with existing & proposed plant & machineries and green belt area.
2. Nearby nallah protection plan with its budgetary allocation.
3. Fire protection plan from electrical fire.
4. Water demand will be meet trough bore well for which permission from CGWB

should be obtained. PP should provide the status of application made for its permission.

5. Detailed tabulated chart of the inter distance of the facilities proposed and how they confirm to relevant standards.
 6. Dismantling is proposed in phased manner. Thus phase wise dismantling plan should be submitted.
 7. C&D Waste Management Plan as lots of dismantling activates are proposed in this project.
 8. 12 KLD water is proposed for this expansion which seems to be too high. PP should submit backup calculations of 12 KLD water requirements.
 9. Status of current ground water table and its seasonal variations.
 10. Justify why only 4.04KM area is considered for monitoring as no monitoring locations are selected beyond this distance.
 11. VOC in ambient air and Oil & Grease values in ground water should be submitted as during public hearing issue of Oil & Grease was raised.
 12. Detailed green belt development plan with species and their numbers specifically addressing plantation near nallah and boundary wall.
 13. Wind Rose comparison with primary and secondary data.
 14. In public hearing concluding remarks, authorities have not recommended the site for the proposed expansion considering its proximity to the habitations. Thus PP should justify the site suitability wrt issues raised in Public Hearing.
 15. Details of RWH plan with justification of recharge potential and drawl of GW.
 16. Details of EMP & CSR Cell in the chart form should be submitted by PP.
 17. Details of first aid facilities which will be made available on site and nearby areas.
 18. Detailed rescue plan in case of accident/emergency as site is surrounded by habitations.
 19. Bifurcation of budget for CSR & EMP in capital & recurring cost.
2. **Case No. – 1698/2013 - Shri Ajay Kumar Pathak, Semariya Chowk, Chanakyapuri, P.O. & Distt - Satna (M.P), Pin Code-485001 Environment Clearance for approval of 8.094 Ha Limestone Mine for Limestone 50,000 TPA and Reject Stone 25,000 TPA at Village - Rampurchourasi, Tehsil - Raghuraj Nagar, District - Satna, (MP). EIA CONSULTANT: M/s Cognizance Research India Pvt. Ltd. Noida.**

This is a mining project pertaining to mining of limestone in an area of 8.094 Ha. Production capacity proposed is 50,000 TPA of Limestone & 25,000 TPA of Reject stone. Application was forwarded by SEIAA to SEAC for scoping so as to determine TOT to carry out EIA and prepare effective EMP for the project.

This is a mining project pertaining to mining of limestone in an are of 13.759 Ha. Production capacity proposed is 50,000 TPA of Limestone & 25,000 TPA of Reject stone. Application was forwarded by SEIAA to SEAC for scopping so as to determine TOT to carry out EIA and prepare effective EMP for the project.

PP and his consultant presented the salient features of the project in the 137th SEAC meeting dated 27/07/2013, which revealed following:

- Lease was granted in favor of Shri Ajay Kumar Pathak over an area of 8.094 for period of 10 years i.e. from 17.02.1993 to 16.02.2003.
- Later Madhya Pradesh department of Mines, Bhopal letter vide no. 3-190/92/12/2 dated 22.05.2003, the mining lease was extended from 10 to 20 years i.e. upto 16.02.2013.
- Mine Lease area is 8.094 ha which is a private land (Non-Forest barren land).
- The lessee has been applied renewal application on 16.01.2012 as per the provisions of Rule 24 of 1960 of MCR.
- Proposed Production is 75,000TPA (50,000 TPA of Limestone & 25,000 TPA of Reject stone).

Salient features of the project:

Project	Rampur-Chourasi Limestone Mine
Location	Village: Rampur-Chourasi , Tehsil: Raghuraj Nagar District : Satna , State: Madhya Pradesh
Latitude	24 ⁰ 38'04.4" to 24 ⁰ 38'19.8" North
Longitude	80 ⁰ 46'51.6" to 80 ⁰ 47'0.00" East
Toposheet Number	63D/14
Screening Category	“B”
Cost of the Project	1 Crore
Mining Plan Approval	Mining Scheme is approved on 19/01/2001. The mining plan is under approval.

After deliberations committee approved the standard TOR to carry out EIA and prepare EMP for he project with inclusion of following additional point:

- Cummulative impact of the mines operating / proposed in the region (if any) has to be evaluated and accordingly an effective EMP shall be submitted.
- Road network specially the rurals roads has to be presented in detail along with a plan for maintenance and conservation of all the roads being used or proposed to be used by the mine owners.
- A CSR for the region has to be submitted the same should be placed before the Gram-Sabha and approved by the local body.
- All salient features including the land details, proposed technology etc has to be clearly explained in the public hearing in local language.
- All proceedings have to be minitized and clear recommendation of the Public Hearing panel has to be obtained regarding mining operations at the site.

This case was discussed in the 45th SEAC-II meeting dated 09/08/2016 wherein it was recorded that the TOR was approved in the 137th SEAC meeting dated 24/07/2013 and the same was issued to the PP vide letter no. 759 dated 22/10/2013. The validity of TOR expired on 21/10/2015. PP vide their letter dated 20.08.15 has requested for TOR extension. After deliberations, the committee recommends the case for extension in TOR for one year with validity up to 21/10/16 in the 239th SEAC meeting dated 04/11/2015.

PP vide letter dated 20/07/2016 has again requested for extension in validity of TOR for one more year as draft EIA/EMP report of the project is complete which was placed before the committee. The committee observed that the TOR validity was once extended for one year in the 239th SEAC meeting dated 04/11/2015 with validity up to 21/10/2016 and as per MoEF&CC OM No. J-11013/41/2006-IA-II (I) (Part) dated 08/10/2014 it can be further extended for one year by regulatory authority. The Committee recommends that since PP has applied for the TOR validity extension on dated 20/07/2016, the TOR's validity can be further extended for one more year with validity up to 20/10/2017 as per MoEF&CC OM No. J-11013/41/2006-IA-II (I) (Part) dated 08/10/2014.

PP has submitted the EIA report vide letter dated 16/10/2017, which was forwarded by the SEIAA vide letter no. 1074 dated 25/10/2017.

The case was scheduled for the presentation in the 297th SEAC meeting dated 08-11-17 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. PP vide letter dated 07/11/2017 has requested that due to unavoidable circumstances he is not in position to present the case and another opportunity may be given to him. Committee after deliberations decided to call the PP in subsequent meetings.

The case was scheduled for the presentation in the 299th SEAC meeting wherein neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

PP has submitted the mining plan report vide letter dated 22/11/2017, which was forwarded by the SEIAA vide letter no. 1286 dated 06/12/2017.

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

- The area was previously sanctioned under ML to Sri Brijendra Nath Pathak for 20 years period w.e.f. 17.02.1973 to 16.02.1993. The ML was later transferred in the name of the lessee.
- The renewal was granted by State Govt. for 20 years period i.e. upto 16.02.2013.
- The lease area is deemed to be extended for 50 years period from date of first grant i.e. 17.02.1973 to 16.02.2023 under MM (D&R) Amendment Act 2015.
- The Mining plan has been approved by Indian Bureau of Mines, Jabalpur.
- Public Hearing was conducted on 03.10.2017 at the project site.
- Opencast other than fully mechanized method of mining will be adopted. All operation of mining will be done by HEMM except deep hole drilling and blasting.
- Working will be carried out in one shift of 8 hours during day time only.
- No explosive will be stored at mine site.
- All applicable rules of MMR 1961, Mines Act-1952, Mines Rules 1955, MCR-2016, MCDR-2017 will be followed for safe, scientific & systematic working.
- The working will be done under the supervision of a Qualified Mines Manager.
- The height of the benches will be 6m and the width of a bench will not be less than the height of the bench.
- Working of mine, as per approved plans and regularly updating the mine plans.
- Permanent fencing will be provided at the top edge of opencast working.
- All protective equipment of a type approved by the DGMS. will be provided to the workers viz, foot wear, helmets, ear plug, dust mask, gloves, goggles, shin guards etc.
- The total water consumption in the Rampur Chourasi limestone mine is about 18.0 KLD.

Land use plan.

S.No.	Particular	Existing (ha.)	5 years period (ha.)	Mine life end (ha.)
1	Total area excavated (broken)	0.95	2.0184	(7.191)
2	Area fully mined out (out of 1)	0.05	2.0184	(7.191)
3	Area fully reclaimed/ Backfilled (out of 2)	Nil	0.25	(2.30)
4	Area rehabilitated out of 3 by afforestation (Out of 3)	Nil	0.25	2.30
5	Area reclaimed by water harvesting	Nil	1.7684	4.891
6	Total area under dumps/Mineral Stack	0.50	0	Nil
7	Area under active dumps(Out of 6)	Nil	0	Nil
8	Area under Road	0.05	0	Nil
9	Area under Green belt	0.10	1.7684	0.903
10	Area under infrastructure	0.20	0	Nil
11	Undisturbed	6.244	0.0204	Nil
	Total	8.094	8.094	8.094

Dust Suppression

- a. **Haul Road:-** Haul road Length 450 meter. In one day 2 time sprinkling will be done hence on haul road total water required is $500 \text{ m} \times 6\text{m} \times 0.4 \text{ lt/sqm} \times 4 \text{ times} = 4.8 \text{ or } 5 \text{ KLD}$.
- b. **Mining activities:** - Quarry area approx 2.5 ha at the end of 5 years . Total water required 0.2 liter per square meter. Hence total water required is $25000 \times 0.25 = 6250 = 6.25 \text{ or } 7 \text{ KLD}$.

C Total water required is $5+7 = 12$ KLD

Green Belt: - For 1 Ha 3.3 KLD is required. Total area is 3.203 Ha hence water required is $(3.203 * 3.3/3) = 3.52$ or 3.5 KLD

Drinking & Domestic Purpose: - For 1 person 45 liter is required here total manpower is 50 hence total water required is $50*45 = 2.25$ or 2.5 KLD

Hence, Total water required is $= 12 + 3.5 + 2.5 = 18$ KLD

Species Suggested for Plantation

SI. No.	Name	Number
1	Mango	350
2	Karanj	500
3	Shisham	300
4	Gulmohar	300
5	Bamboo	100
6	Munga	100
7	Eucalyptus	250
8	Amla	250
9	Peepal	300
10	Neem	300
11	Kachnar	250
12	Mahua	300
Total		3300

CSR Budget

S. No	Activities	fund in lakhs/ year	
		Capital	Recurring
1	Health awareness and camps for local community in village Bhad, Mahgawan and Rampur	0.5	--
2	Providing Computer in the Higher	1.5	0.5

	Secondary school in village Rampur along with a instructor		
3	Drinking water facility in village Rampur (1 hand pump and Tank)	3.00	1.5
TOTAL		5.00	2.0

Budget for EMP

SI. No.	Measures	Capital cost (in Rs.)	Annual recurring cost (in Rs.)
		Proposed	Proposed
1	Dust suppression (Over head Sprinkler and water tanker)	6,00,000	2,00,000
2	Garland drain and bund	2,50,000	1,00,000
3	Afforestation	--	5,00,000
4	Construction of Road to Mine	5,00,000	50,000
5	Pollution Monitoring	--	3,60,000
Total		13,50,000	12,10,000

After presentation, PP was asked to submit response on following:

1. Revised plantation details for outside ML area for 4700 saplings.
2. Backup calculations for life of mine for 22 years.
3. Mine water discharge plan with details.
4. Revise EMP & CSR with bifurcation in capital and recurring exoences.
5. Revised environmental cell.

PP has submitted the response of above quarries vide letter dated 21/12/2017 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 EC for approval for mining of Limestone 50,000 TPA and Reject Stone 25,000 TPA on 8.094 Ha at Village - Rampurchourasi, Tehsil - Raghuraj Nagar, District - Satna, (MP) subject to the following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed expansion 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. Top soil should not be compacted during temporary stacking.
9. 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) including the village side to provide additional protection in one year only.
10. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 8000 no's of trees will be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
11. Transportation of material shall be done in covered vehicles.
12. Transportation of minerals shall not be carried out through forest area.

13. 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.
14. Garland drains 02m x 01m and settling pits (30m x10m x03m) should be provided to avoid silt discharge. Settling tanks shall be connected with garland drains for proper sedimentation.
15. Fixed types of water sprinklers should be provided on 450 meter long and 05 meter wide haul road. However, regular water spraying should be practiced on transport road for dust suppression.
16. The existing and proposed land use plan of the mine is as follows:

S.No.	Particular	Existing (ha.)	5 years period (ha.)	Mine life end (ha.)
1	Total area excavated (broken)	0.95	2.0184	(7.191)
2	Area fully mined out (out of 1)	0.05	2.0184	(7.191)
3	Area fully reclaimed/ Backfilled (out of 2)	Nil	0.25	(2.30)
4	Area rehabilitated out of 3 by afforestation (Out of 3)	Nil	0.25	2.30
5	Area reclaimed by water harvesting	Nil	1.7684	4.891
6	Total area under dumps/Mineral Stack	0.50	0	Nil
7	Area under active dumps(Out of 6)	Nil	0	Nil
8	Area under Road	0.05	0	Nil
9	Area under Green belt	0.10	1.7684	0.903
10	Area under infrastructure	0.20	0	Nil
11	Undisturbed	6.244	0.0204	Nil
	Total	8.094	8.094	8.094

17. 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.
18. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
19. The commitments made in the public hearing are to be fulfilled by the PP.
20. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
21. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

22. The proposed EMP cost is Rs. 13.50 lacks and Rs. 12.10 lacks /year are proposed as recurring expenses out of which Rs. 02.50 lacks is proposed for green belt development and Rs. 01.00 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
23. Under CSR activity, Rs. 05.00 lacks are proposed for the next 05 years in different activities with Rs. 2.00 lacks /year as recurring expenses and same should be implemented through respective committees.
24. 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.
25. 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.
26. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
27. PP will comply with all the commitments made vide letter dated 21/12/2017.
28. 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.5238/16 M/s ACC Ltd, Kymore Cement Works, Kymore, Dist. Katni – 483880. Prior Environment Clearance for Limestone Mine in an area of 1.121 ha. (50,000 MTPA ha.) at Khasra no.-81/2, 85, Village-Badari, Tehsil - Vijayraghavgarh, Dist. Katni (MP) EIA CONSULTANT: M/s CES, BHOPAL

This is case of Limestone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at khasra no.-81/2, 85, Village-Badari, Tehsil - Vijayraghavgarh, Dist. Katni (MP) 1.121 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and his Consultant in the 34th SEAC meeting dated 25/06/2016. It's being a case of major mineral, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Inventory of operating / proposed mines within 2 Km around the said mine.
2. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
3. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power considering all the existing mines within 500 meters radius.
4. Any alternate route avoiding the nearby habitations.
5. Disposal plan of excess mine water accumulated during rainy season be discussed in the EIA.
6. Top soil management plan be discussed in the EIA.
7. The AAQ data collected for adjoining mine can be used in EIA but the data should not be more 2 years old.

PP has submitted the EIA report vide letter dated 06/11/2017, which was forwarded by the SEIAA vide letter no. 1252 dated 04/12/2017.

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

1. **Name of the project & its location:**
M/s ACC Limited, Khasra No. 81/2 & 85, Village Badari, Tehsil Vijayraghogarh, District Katmi(M.P.)
2. **Name of the Company, Address Tele No. & E-mail :**
M/s ACC Ltd. Kymore Cement Work, P.O. Kymore, District Katni

07626-272301, Email; sureshkumar.patel@acclimited.com

3. Latitude and Longitude of the project

24⁰02'02.0" to 24⁰01'58.5" N

80⁰34'24.8" to 80⁰34'25.3" E

4. If a Joint venture, the names & addresses of the JV partners including their share
Its is a Limited Company namely ACC Limited .

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

It's a new project for EC for captive Limestone Mine of 1.121 ha. the area falls under the Jurisdiction of Katni district, and connected on Jhukehi – Kymore road. The Notational Highway -7 is 8.6m from the mine site. The capacity of the mine is 50000 MTPA limestone and used in existing cement plant of company which is 5 km away from mine site. The land use is owned land for mining activity and the lease has been granted to ACC for the period upto 27/05/2037.

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

No

7. Cost of the project :

Cost of the project is Rs. 53.11 Lakhs

8. Employment generated/to be generated:

Approx. 30 Nos.

9. Benefits of the project:

The area will be benefited by the means by direct employment of 30 Nos and indirect employment of 20 Nos. generated from this 1.121 ha mine. The social activity of the company is going on in the vicinity under their CSR activities.

10. Whether new or expansion project .If expansion: new EC proposal for capacity
50000 MTPA, the mine has got the consent under water & air Acts from MPPCB Jabalpur which is valid upto 10/06/2018.

11. **If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.**
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 No. 1162 dtd. 18/06/2016
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).**
The case was considered by SEAC –II in their 34th meeting dtd. 25/06/2016 for approval of TOR.
16. **Type of Mine: (Open cast/Underground/mixed):** Open cast mechanized mine.
17. **Capacity of the mine applied for**
Capacity of mine applied for 5000 Metric Ton Per Year.
18. **ML Area i. As per block allotment ii. As per approved mine plan**
ML Area is 1.121 ha.
19. **Date of approval of mine plan, mine closure plan, status & date**
Date of Approval of Mining scheme is 11/09/2014.
20. **Date of Board's approval:** Not applicable
21. **Date of Ground water clearance:** Not Applicable
22. **Date of mine closure approval**
Mine is still in operation date of mine closure will be submitted later on.

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

Budget for EMP

No.	Particular	Capital Investment	Recurring cost per
1.	Dust suppression - 1 Nos. 5000 liters tractor mounted tanker. Cost includes water spraying arrangement for 600m long road, pipe line 1000m, fixed sprinkler -30Nos.	6,00,000.00	1,50,000.00
2	Green belt development over 0.36 ha area	2, 50,000.00 2,50,000.00	50,000.00
3.	Garland drain garland drain of 207m x 3m x 1.5m and settling pond 2Nos. of size 6mx4mx2.0m	50,000.00	20,000.00
4.	septic tank 1mx1mx1m, and soak pit 1.5mdia x 1.5m	50,000.00	10,000.00
5.	Fencing at the lease boundary 1.121 ha from two side	1,50,000.00	25,000.00
6.	Cost towards backfilling @3.3/-/cum	13,20,000.00	
	Total	26,70,000.00	2,65,000.00

Budget for CSR

S.N.	Plan	Activity	Place of activity	Budgetary provisions Capital	Budgetary provisions Recurring
1.	Mobile Medical Camps	Reaching to around 12,000 people annually residing in the	Badari, Bamangaon, Khalwara, Kalehara.	8,00,000/-	1,20,000/-

		close vicinity of Mines and Plant.			
2.	Specialized Health Camps	Eye Cataract, Blood Donation, Dental, Family Planning & MCH Camps	Badari, Bamangaon,	50,000/-	50,000/-
3.	Supply of Safe Drinking Water to the Community	Installation of Handpumps, Construction of Water Storage Tanks, Water tanker supply to some communities	Badari	3,00,000/-	25,000/-
4.	Anti Malaria Campaign	Awareness generation, Mosquito Nets	Badari, Bamangaon,	40,000/-	40,000/-
5.	Strengthening of 'Anganwadi cum Gram Arogya Centres	'Routine Immunization' programme and Growth Monitoring of Children.	Badari, Bamangaon,	2,00,000/-	50,000/-
6.	Others as our Policy	Training & Development , Bank Linkages: 50 SHGs	Badari, Bamangaon	3,00,000/-	25000/-
		Total		16,90,000/-	3,10,000/-

24. Number of plantation with name of species proposed in area allotted for plantation with budgetary provision.

Area of 036 ha shall be covered with plantation in ML

Budget for Plantation				
S. No.	Head	Qty	Rate (Rs.)	Amount (Rs.)
	Within lease area			
1 st	Saplings, with earth	100	500/-	50000/-

	work and pesticides			
2 nd	Saplings, with earth work and pesticides	100	500/-	50000/-
3 rd	Saplings, with earth work and pesticides	100	500/-	50000/-
4 th	Saplings, with earth work and pesticides	100	500/-	50000/-
5 th	Saplings, with earth work and pesticides	100	500/-	50000/-
	Additional 500 plantation as suggested by the committee as per PP reply vide letter dated 21/12/17	500	500/-	2,50,0000
	Total	1000		5,00,000/-
The saplings shall be procured from own Nursery of ACC Ltd				

25. Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details. No.

After presentation, PP was asked to submit response on following:

1. The width of excess trench (haul road) should be minimum 7.5 meters for which PP should submit a written commitment.
2. Inventory of existing plantation with their number and species name.
3. Copy of amalgamation approval letter.
4. Corrected capacity of dewatering pump (proposal is for 10 HP which seems to be inadequate) shall be provided.
5. Revised plantation schedule as suggested by the committee.
6. Environmental policy of the company with environmental cell structure.
7. Details of CSR committee with bifurcation of CSR budget in capital and recurring.

PP has submitted the response of above quarries vide letter dated 21/12/2017 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 EC for approval of mining for Limestone Mine in an area of 1.121 ha. (50,000 MTPA ha.) at Khasra no.-81/2, 85, Village-

Badari, Tehsil - Vijayraghavgarh, Dist. Katni (MP) subject to the following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed expansion 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. 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) including the village side to provide additional protection in one year only.
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 1000 no's of trees will be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
10. Transportation of material shall be done in covered vehicles.
11. Transportation of minerals shall not be carried out through forest area.
12. 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.

13. Garland drains 207m x 03m x1.5m and 02 settling tanks (06m x04m x02m) should be provided to avoid silt discharge. 02 numbers of settling tanks shall be connected with garland drains for proper sedimentation.
14. Dust suppression through tractor mounted tractor should be provided on 500 meter long and 05 meter wide haul road. However, regular water spraying should be practiced on 600 meter long and 06 meter wide transport road by fixed types of water sprinklers for dust suppression.
15. The existing and proposed land use plan of the mine is as follows:

S.No.	Particular	Existing (ha.)	5 years period (ha.)	Mine life end (ha.)
1	Total area excavated (broken)	0.95	2.0184	(7.191)
2	Area fully mined out (out of 1)	0.05	2.0184	(7.191)
3	Area fully reclaimed/ Backfilled (out of 2)	Nil	0.25	(2.30)
4	Area rehabilitated out of 3 by afforestation (Out of 3)	Nil	0.25	2.30
5	Area reclaimed by water harvesting	Nil	1.7684	4.891
6	Total area under dumps/Mineral Stack	0.50	0	Nil
7	Area under active dumps(Out of 6)	Nil	0	Nil
8	Area under Road	0.05	0	Nil
9	Area under Green belt	0.10	1.7684	0.903
10	Area under infrastructure	0.20	0	Nil
11	Undisturbed	6.244	0.0204	Nil
	Total	8.094	8.094	8.094

16. 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.
17. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
18. The commitments made in the public hearing are to be fulfilled by the PP.
19. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
20. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

21. The proposed EMP cost is Rs. 26.70 lacks and Rs. 02.65 lacks /year are proposed as recurring expenses out of which Rs. 05.00 lacks is proposed for green belt development and Rs. 00.50 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
22. Under CSR activity, Rs. 16.90 lacks are proposed for the next 05 years in different activities with Rs. 03.10 lacks /year as recurring expenses and same should be implemented through respective committees.
23. 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.
24. 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.
25. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
26. PP will comply with all the commitments made vide letter dated 21/12/2017.
27. 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. 5241/16 M/s Metal & Minerals, MIG-II-14, Opp. Jain Temple, Housing Board Colony, Katni, and MP. Prior Environment Clearance for Manganese Mine Project in an area of 4.906 ha. (10,800 TPA) at Khasra no.-150/1, Village-Selwa, Tehsil - Katangi, Dist. Balaghat (MP) EIA CONSULTANT:M/s Amalts Enviro Industrial Consultants, New Delhi.`

This is case of Manganese Mine Project. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-150/1, Village-Selwa, Tehsil - Katangi, Dist. Balaghat (MP) 4.906 ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was presented by the PP and their consultant in 35th SEAC-II meeting dated 03/07/2016 wherein it was recorded that It being a case of major minerals committee recommended to issue standard TOR prescribed by MoEF&CC with following additional TORs:-

1. Compliance of consent conditions of the MP Pollution Control Board should be obtained from concerned Regional Officer.
2. As per the Google image a shed is in existence very near to the ML area thus its protection plan be discussed in the EIA report.
3. Top soil management plan be discussed in the EIA report.
4. Inventory of operating / proposed mines within 2 Km around the said mine should be provided in the EIA report.
5. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
6. Any alternate route avoiding the nearby habitations (if any).

PP has submitted the EIA report vide letter dated 17/10/2017 which was forwarded by the SEIAA vide letter no. 1066 dated 24/10/2017.

The case was scheduled for the presentation 297th SEAC meeting dated 08-11-17 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. PP vide letter dated 07/11/2017 has requested that due to unavoidable circumstances he is not in position to present the case and another opportunity may be given to him. Committee after deliberations decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was again scheduled for the presentation in the 299th SEAC meeting dated 07/12/2017 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. However, PP vide letter dated 06/12/2017 has informed that due to health issue their case may be reschedule in the next SEAC meeting. The committee after deliberations decided that on above request this case should be scheduled in the upcoming meetings of the SEAC for which a request has to be made by the PP.

PP has again submitted the EIA report as they have changed their consultant vide letter dated 06/12/2017 which was forwarded by the SEIAA vide letter no. 1325 dated 12/12/2017.

The EIA was presented by the PP and their consultant wherein PP was asked to address the issues raised in a complaint made by Shri Shalendra Jain forwarded by SEIAA vide letter no. 498 dated 22/05/2017 and 819 dated 21/06/2017. PP informed that both the complaints are regarding the allotment of lease and illegal mining thereof. PP further submitted that vide letter dated 31/10/2017 (forwarded by SEIAA vide letter no. 1107 dated 09/11/2017) he has submitted the reply in SEIAA & SEAC on the issues raised in the complaints. PP informed that lease on Khasra no. 151/1 for 4.906 ha was initially allotted to Sh. Mahesh Mishra vide office order no. F3-43/07/12/2 dated 02/03/2009 and later on was transferred to M/s Metals & Minerals, Katni. PP further submitted that Mining Officer, (in charge) Balaghat vide letter no. 845 dated 02/08/2017 has submitted a report to the collect orate, Balaghat stating that the mining is done within the allotted lease and no mining activities were observed as the lease area was filled with water. It is further stated in the report of mining officer that mining was done within the sanctioned lease area. PP has submitted the copy of above mining officer report. Committee after deliberations observed that the complaint is related to the allotment of lease and illegal mining which is replied by the Mining Officer, (in charge) Balaghat vide letter no. 845 dated 02/08/2017 wherein MO has clearly stated that the mining is done within the allotted lease area. During EIA presentation, following details were provided:

- ❖ The proposed Selwa Manganese Mine is located at Village– Selwa & District – Balaghat State – Madhya Pradesh over an area of 4.906 ha.
- ❖ The mining lease was previously granted in the favor of Shri Mahesh Mishra for periods of 20 years dated 02.03.2009 vide Govt. of Madhya Pradesh, Mineral Resource Dept. Mantralaya, Bhopal vide order no. F-3-43/07/12/2.
- ❖ Later on, this mining lease was transferred in the name of M/s Metal & Minerals Vide State Government Order No. F-3- 4/11/12/2 dated on 02.04.2011.

**STATE EXPERT APPRAISAL COMMITTEE MINUTES 21 December 2017
OF 301st MEETING**

- ❖ Terms of Reference (ToR) was issued by the State Expert Appraisal Committee Madhya Pradesh in its 35st meeting held during 3rd June 2016 and vide its letter 1152/PS- MS/MPPCB/SEAC-II/M/TOR (035)/2016 dated 18-07-2016.
- ❖ The Mining Plan has been approved by Regional Controller of Mines IBM, Nagpur and vide letter no. BGT/MN/MPCN-1017/NGP dated 16.03.2015.
- ❖ The proposed Selwa Manganese Mine lease is about 4.906-ha of land, as the proposed mine lease area is less than 50-ha of land, it is classified as “CATEGORY-B1”, as per the EIA notification dated 14th September 2006 & its subsequent amendments thereof.

DETAILS OF ENVIRONMENTAL SETTING

Sr. No.	Particulars in 10 km	Details
1	State Highway	SH – 4 at distance of 4 km from mine site.
2	National Highway	Nil in 10 km
3	State, National Boundaries	Nil in 10 km
4	Railway station	Katangi Railway station at a distance of 1.68 km in NW direction.
5	Airport	Nil in 10 km
6	Ecological Sensitive Areas (Wildlife Sanctuaries)	Nil in 10 km
7	Reserved/Protected Forests	Pench Tiger Reserve at a distance of 10 km away in North direction.
8	Town/ City with 2,00,000 population	Nil in 10 km
9	Seismic Zone	Seismic Zone II (Low Damage Risk Zone)

Life of mine

The expected rate of production is expected to be around 10,800 TPA.

The anticipated life of mine will be as follows -

Total production during first 5 years = 54000 Tonnes

Therefore, Life of mine at proposed production of 10,800 TPA from 5th year

5 years + $\frac{(81800 \text{ t} - 54000 \text{ t})}{10,800 \text{ TPA}} = \sim 7 \text{ Years.}$

10,800 TPA

List of Mining Machinery

Proclain/ JCB	2 Nos. + 1 spare 2.1m ³ for development and loading
Tipplers	3 Nos. + 1 spare of 10 tonne capacity
Compressors	1 No. 350 cfm
Water Sprinkler	1 No.
Jack hammer	2 Nos. (1+ 1) spare
Crawler – mounted large dia. Machine (for OB devp)	1 No.

Land Use Pattern

Sr. No	Area to be used for	Present (Ha)	After Fifth Year (Ha)	End of mine life (Ha)
1	Mining Pit	0.9750	2.2800	2.2800

2	Dumping of waste /rejects	0.2250	1.1800	1.1800
3	Area under storage of ore	0.1800	0.1800	0.1800
4	Sheds /Building etc.	0.0150	0.0150	0.0150
5	Road	0.1000	0.1000	0.1000
6	Plantation	0.0300	0.1800	0.1800
7	Undisturbed	3.381	0.971	0.971
	Total	4.906	4.906	4.906

EMP Budget

SI. No.	Measures	Capital cost	Annual recurring cost
		(in Rs.)	(in Rs.)
		Proposed	Proposed
1	i) Pollution Control Dust Suppression	52,500	--
2	i. Pollution Monitoring Air pollution ii. Water pollution	-- --	5750 5750
3	Green Belt (Rs. 250/plant)	5,95,000	20,000
4	Reclamation of mined out area	41000	--
Total		6,88,500	31,500

Grand Total	Rs.7,20,000
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CSR Budget

Year wise allocation of the Fund for the various ESR Activities (in Rs.)						
SI. No.	Activity	1st yr	2nd yr	3rd yr	4th yr	5th yr
1	Health camps and free medicine	15,000	15,000	15,000	15,000	15,000
2	Toilet for Girls	15,000	15,000	15,000	15,000	15,000
	TOTAL	30,000	30,000	30,000	30,000	30,000
GRAND TOTAL		(Rs. 1,50,000)				

During presentation it was observed that a natural drain on northern side of the lease and a shed on the south western side are in existence for which PP submitted that no mining is proposed in these areas and a setback of minimum 50 meters is already left from natural drain and shed. PP further submitted that they have proposed garland drain with settling tanks to arrest surface runoff from the mine and thus no direct discharge will be allowed in this natural drain. Committee after deliberations decided that PP should carryout dense plantation towards this natural drain and shed with additional plantations of 2280 trees. After presentation, PP was asked to submit response on following:

1. Commitment for relay blasting only.
2. No tree cutting will be permitted in the non mining area for which a commitment shall be submitted.
3. Intermediate stacking of soil should be avoided and same shall be used for plantation.
4. Plantation schedule as suggested by the committee for additional 2280 trees.
5. Bifurcation of CSR budget in capital and recurring.

PP has submitted the response of above quarries vide letter dated 21/12/2017 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 EC for approval for Manganese open cast mine Project in an area of 4.906 ha. (10,800 TPA) at Khasra no.-150/1, Village-Selwa, Tehsil - Katangi, Dist. Balaghat (MP) subject to the following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed expansion 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. For dust suppression, regular sprinkling of water should be undertaken.
6. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

7. No intermediate stacking of soil is permitted and same shall be utilized for plantation
8. No tree falling is proposed during the mining activity.
9. During blasting relay detonators shall be used.
10. Vibration monitoring as per the prescribed protocol shall be carried out considering the proximity of a shed on the south western side of the lease.
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) including the village side to provide additional protection in one year only. As proposed in the landscape plan & EMP a minimum of 2380 no's of trees will be planted.
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. Garland drains 12m x 02 x 01m and settling pits (11m x04m x02m) should be provided to avoid silt discharge. Settling tanks shall be connected with garland drains for proper sedimentation.
16. Fixed types of water sprinklers should be provided on haul road. However, regular water spraying should be practiced on 550 meter long and 07 meter wide transport road for dust suppression.
17. The existing and proposed land use plan of the mine is as follows:

Sr. No	Area to be used for	Present (Ha)	After Fifth Year (Ha)	End of mine life (Ha)
1	Mining Pit	0.9750	2.2800	2.2800
2	Dumping of waste /rejects	0.2250	1.1800	1.1800
3	Area under storage of ore	0.1800	0.1800	0.1800
4	Sheds /Building etc.	0.0150	0.0150	0.0150
5	Road	0.1000	0.1000	0.1000
6	Plantation	0.0300	0.1800	0.1800
7	Undisturbed	3.381	0.971	0.971
	Total	4.906	4.906	4.906

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. 6,88,500 and Rs. 31,500 /year are proposed as recurring expenses out of which Rs. 5,95,000 is proposed for green belt development and Rs. 20,000 /year for recurring expenses for plantation in the proposed EMP of this project.
24. Under CSR activity, Rs. 01.50 lacks are proposed for the next 05 years in different activities with Rs. 00.30 lacks /year as recurring expenses and same 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 21/12/2017.
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.

5. Case No. - 5605/2017 Smt. Kala Singh, C/o Shri Ramayan Singh, 19, HIG "D" Deendayal Dham, Padra, Rewa, MP - 486001 Prior Environment Clearance for

Limestone Mine in an area of 2.206 Ha.. (8539 Tonne per annum) (Khasra no. 85, 87) at Village- Bihra, Tehsil - Huzur, Dist. Rewa (MP)

This is case of Limestone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 85, 87) at Village- Bihra, Tehsil - Huzur, Dist. Rewa (MP) 2.206 Ha. The project requires prior EC before commencement of any activity at site. PP has submitted ToR application forwarded by the SEIAA vide letter no. 1222 dated 28/11/2017.

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

Background of Project

S.No	Particulars	Details
1.	Lease area	2.206 ha
2.	Leasee	Smt. Kala Singh
3.	Lease Period	Upto year 2015
4.	Present status	Non operating
5.	Land Use	Pvt. Own land

Reserve of mineral Limestone & Dolomite

Measured Resources	Mineral	331 Limestone – 224644 t
Prefeasibility resources	Mineral	221- Limestone- 43348 t
Mineable Reserve		121- Limestone – 181296 t
Capacity of mine		8539 t - Limestone

Life of Mine	181296/ 8539= 21 years.
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Salient features of the project

Name of the project	Bihra Limestone Mine
Location of Mine	Khasra No. 85, 87
Minerals to be mined out	Limestone
Method of mining	Open cast mechanized method
No. of working day in a year	300 days
Water requirement	5 kld
Source of water	Ground water/ mine pit water
Man power requirement	20 Nos.
Nearest City	Rewa- 12.6 km
Nearest Railway Station	Rewa- 10.0 km
Nearest Airport	Jabalpur- 200 km from the mines by road
Nearest Village	Bankuiya Village- at 1.50 km, Bihra Village – at 2.6 km
Nearest River /Nallah	Bichhiya River – at 11.6 km
Ecological Sensitive Zone	Not exists within 10 km radius

Conceptual Development

S.No	Heads	At Present in ha	At the end of 5 yrs in ha	At the end of conceptual period in ha
1.	Total area excavated	1.05	1.05	1.7373

2.	Area fully backfilling	-	-	0.7200
3.	Area reclaimed by water harvesting	-	-	0.9873
4.	Area rehabilitated by bench plantation	-	-	-
5.	Total area under dump	0.4238	0.1596	-
6.	Area under road	0.006	0.006	-
7.	Area under green belt	0.0	0.109	0.45
8.	Area under Infrastructure	0.0025	0.0025	-
9.	Virgin area	0.7237	0.766	0.4687
	Total area	2.206	2.206	2.206

During presentation PP submitted that they have already collected the monitoring data one year back and may be allowed to use this data in EIA for which committee recommends that atleast one month data of winter season shall be collected by the PP for validation.

It being a case of major minerals committee recommended to issue standard TOR prescribed by MoEF&CC with following additional TORs:-

1. One month monitoring data will be collected by the PP.
2. During monitoring activities, appropriate photographs with date should be taken by and submitted along with the EIA Report.
3. Compliance of consent conditions of the MP Pollution Control Board should be obtained from concerned Regional Officer.
4. Top soil management plan be discussed in the EIA report.
5. Ground water recharge study of the nearby area be carried out by the PP and same

should be discussed in the EIA report.

6. Inventory of operating / proposed mines within 2 Km around the said mine should be provided in the EIA report.
 7. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
 8. Any alternate route avoiding the nearby habitations (if any).
 9. Land use plan should be plotted on the map.
 10. 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.
 11. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
 12. 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.
 13. 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.
 14. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
6. **Case No. - 5609/2017 M/s Devalum Industries, Plot No. 166, Industrial Area, Sector-E, Sanwer Road, Indore, (M.P.) - 452003 Prior Environment Clearance for Proposed LABSA and Detergent Liquid Soap Manufacturing at Plot No. 166, Industrial Area, Sector-E, Sanwer Road, Indore, (M.P.) - 452003**

The project is covered under the provisions of EIA Notification as item no. 5(f), hence it requires prior EC before commencement of activity at site. The application was forwarded by SEIAA to SEAC vide letter no. 1232, dtd. 30/11/17 and received at SEAC on dtd. 05.12.2017 for scoping for determines TOR to carry out EIA / EMP of the project site.

PP and their consultant presented the case for ToR before the SEAC in this meeting. The submissions and the presentation made by the PP and his consultant revealed following:

- Devalum Industries is located at Plot No. 166, Industrial Area, Sector-E, Sanwer Road, Indore, Madhya Pradesh.
- Devalum Industries is propose to start manufacturing of Detergent Soap Liquid

(Non-EC Product) and Linear Alkyl Benzene Sulphonic Acid (LABSA) (LABSA: EC Product) at above location.

- The estimated cost for proposed project is around Rs. 60.0 Lakhs. Out of which 10.0 Lakhs will be used for environmental pollution control measures.
- Devalum Industries is a Sister Concern of “Dev Alum & Chemicals” and is located at Industrial Area, Sirlai Tehsil Barwaha, Dist. Khargone, Madhya Pradesh located at ~60 KM from Proposed Project Site.
- Having 20 years of experience in manufacturing of Ferric, Non-Ferric Alums and Ammonia Alums. Previously, Ferric, Non-Ferric Alums and Ammonia Alums were manufactured at the same location with the name of M/s. Dev Alum and Chemicals.
- This is a backward integration due to proposed manufacturing of LABSA slurry. LABSA will be used for captive consumption as an in-house “Detergent Soap Liquid Manufacturing (Non-EC Product)” as well as sell to various Detergent manufacturing units for detergent powder, detergent cake, liquid scouring powder or paste.
- Generated Spent Sulphuric Acid (70-80%) will be utilized by Sister Concern of “Dev Alum & Chemicals” and other Fertilizer Industries.
- Project Land is situated within the designated Notified Industrial Area at Sanwer Road, Indore.
- Proposed project will be a small scale and no Rehabilitation and Resettlement is involved.
- No wildlife sanctuary/National Park/Tiger Reserve falls within 10 km radius.
- Moratorium of Critically Polluted area lift off by MoEFCC wide is OM no. J-11013/5/2010-IA II (I), dated 20.05.2016.
- As per the EIA Notification-2006; Linear Alkyl Benzene Sulphonic Acid (LABSA) manufacturing activity is covered under 5(f) category, therefore prior EC is required.

Project Description

Project	Linear Alkyl Benzene Sulphonic Acid (LABSA)
Location	Plot No. 166, Industrial Area, Sector-E, Sanwer Road, Indore, Madhya Pradesh.
Area for plant	9676.0 sq. ft. (As per the DIC Lease Deed)

Flue gas stacks	One, D.G. Set (100 KVA)
Process gas stacks	No process or flue gas stack except stand by D. G. Set
Type of Fuel & fuel consumption	HSD- 30 lit/hr
Power supply	Power supply from MPPCL Energy consumption: 35 KVA & stand by D.G. Set (1 x 100 KVA) in case of power failure.

Connectivity & Surrounding Features of Study Area

S. No.	Particular	Details	Remarks
1.	Villages	Bharasala	1.74 km (NNE)
		Tigaria Badshah	2.00 (SE)
		Kumerdi	3.44 (NE)
		Palakhedi	4.28 (WNW)
		Bada Bangarda	5.11 (WSW)
		Jakhia	5.76 (NE)
2.	River	Khan River	1.97 km (SE)
3.	Pond	Sirpur Talav	8.34 (SSW)
3	National Highway	NH-3	9.6 (E)
4	State Highway	-	-
5	Railway Line	Laxmi Nagar Railway Station	3.88 (SSE)
6	Railway Station	Indore Railway Station	7.09 (SE)

7	Airport	Indore Airport	6.67 (SW)
8	National Park/ Wildlife Sanctuary	-	-

Distance of the project site from the Protected Areas (PAs)

viz., National Park, Sanctuary, Tiger Reserve as per Wildlife Protection Act 1972; Eco-sensitive areas as notified under section 3 of the Environment (Protection) Act, 1986.

Location	Distance in Km	Direction w.r.t project location
Nr. Interstate Boundary (Rajasthan)	121.24	WNW
Forest Boundary	27.87	SSW
Yawal Wildlife Sanctuary	131.29	S
Toranmal Wildlife Sanctuary	167.27	SW
Satpura National Park	219.6	ESE
Air-Port	6.47	WSW

Product Profile

S. No.	Name of Product	Quantity (MTPM)
1.	Detergent Soap Liquid (Non-EC Product)	8.0

2.	Linear Alkyl Benzene Sulphonic Acid (LABSA) (EC Product)	500
By Product		
1.	Dil. Sulphuric Acid (70-80%)	412

List of Raw Material

S. No.	Name of Raw Materials	Quantity (MTPM)
Detergent Soap Liquid – 8.0 MTPM		
1.	LABSA	1.2
2.	Caustic	0.512
3.	Sodium Lauryl Ether Sulfate (SLES)	0.64
4.	Color	0.0016
5.	Perfume	0.0064
6.	NaCl	0.04
Linear Alkyl Benzene Sulphonic Acid (LABSA) – 500 MTPM		
1.	LAB	342.5
2.	H2SO4 (98%)	495

Details of W/C & W/W generation

S. No.	Break up	Water Consumption (lit/day)	Wastewater generation (lit/day)
I	Domestic	2000	1800
II	Gardening	9000	00
III	Industrial		
a.	Process	3000	00
b.	Cooling	2500	500
Total Industrial		5500	500
Total (I + II + III)		16500	2300
Recycle water		500	--
Fresh water requirement		16000	--

Source of Wastewater

There shall be no Wastewater generation from process. Generated bleed off of cooling tower will be utilized for process input. Hence no Industrial Effluent will be disposed off anywhere. Domestic Effluent will be disposed to soak pit.

The case was presented by the PP and their consultant wherein PP informed that this is an existing small scale unit and Dil. Sulphuric Acid (70-80%) will be produced as additional product. There shall be no Wastewater generation from process. Generated bleed off of cooling tower will be utilized for process input. Hence no Industrial Effluent will be disposed off anywhere. The Generated used lubricating oil and discarded drums and containers will be sold to MPPCB approved Register Vendors.

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 issued for SSP plant duly verified by the competent authority.

3. Justify in EIA report wrt to available space and proposed machinery for the new plant and other facilities.
 4. Green belt plan with name of species, their numbers on layout map should be provided with the EIA report.
 5. During monitoring sampling location will be properly scattered in the study area and atleast six ambient air quality monitoring stations and six ground water quality sample shall be selected.
 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.
7. **Case No. - 5607/2017 M/s Hukum Chand Stone Lime Co., Nai Basti, Tehsil - Murwara, Dist. Katni, MP Prior Environment Clearance for Bauxite, Laterite, Fireclay & Ochre Mine in an area of 16.188 Ha.. (2,48,093 tonne per annum (Bauxite – 1,61,793 TPA, Laterite – 52,952 TPA, Clay – 6,466 TPA and Ochre – 26,882 TPA)) (Khasra no. 49) at Vill. Rousra, Tehsil - Majhauri, Dist. Jabalpur, MP**

This is case of Bauxite, Laterite, Fireclay & Ochre Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at ((Khasra no. 49)) at Vill. Rousra, Tehsil - Majhauri, Dist. Jabalpur, (MP) 16.188 Ha. The project requires prior EC before commencement of any activity at site. The PP has submitted ToR application forwarded by the SEIAA vide letter no. 1226 dated 28/11/2017.

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

1	Name of the project & its location	Rousra Bauxite, Laterite, Fireclay, Ochre Mine Village- Rousara, Tehsil-Majhauri District-Jabalpur, State-Madhya Pradesh	
2	Name of the Company, Address Tele No. & E-mail :	M/s Hukum Chand Stone Lime Company Nai Basti, Murwara, Tehsil, Katni district, M.P PIN Code - 483501 Phone No. – 07622-404404 e-mail – hukumchandstonelimestonecompany@rediffmail.com	
3	Latitude and Longitude of the project	Latitude	23°33'45.34"N to 23°34'4.23"N
		Longitude	80° 1' 31.32" to 80° 2' 0.27" 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-land use	16.188 Ha Govt. Waste Land
		Project components	The lease area is undulating and the general slope is towards South . The highest part is on the north eastern corner with 430 mRL and the lowest level is in the southern part with 405m mRL
		Connectivity	<ul style="list-style-type: none"> ❖ Sihora Railway Station 13.3 km in SE ❖ NH-7, 11.3 Km in SE ❖ Jabalpur airport Approx. 42.6 km S ❖ Nearest Town & City: Sihora Town, 10.66 km in SE ❖ Nearest Village:- Rousra, 0.5 km in S ❖ Dist. Headquarter: Jabalpur 44.50 Km in SSW

			❖ Sihora RS, 13.3 Km in SE
6	Whether the project is in the Critically Polluted Area (CPA):	No	
7	Cost of the project :	Rs 1Crore	
8	Employment generated/to be generated	50	
9	Benefits of the project	Project will contribute to the mineral development of the area.	
10	Whether new or expansion project .If expansion: i from MT to MT ii What is the % of expansion	It is new mining lease area.	
11	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006	Not applicable, It is new mining lease area.	
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	Not applicable	
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)	Not applicable	
16	Type of Mine: (Open cast/Underground/mixed)	Open Cast	
17	Capacity of the mine applied for	2,48,093 TPA Bauxite:- 67414 cum or 1,61,793 tons; Laterite:- 19612 cum or 52,952 tons ; Clay:- 3079 cum or 6,466 tons;	

		Ochre:- 12801 cum or 26,882 tons
18	ML Area i. As per block allotment ii. As per approved mine plan	16.188 Ha 16.188 Ha
19	Date of approval of mine plan, mine closure plan, status & date	Mining plan was approved vide letter MP/Jabalpur/bauksite/ MPLN MOD-17/ 2016-17 dated 24.01.2017
20	Date of Board's approval	Not applicable
21	Date of Ground water clearance	Not applicable
22	Date of mine closure approval	Mining plan was approved vide letter MP/Jabalpur/bauksite/ MPLN MOD-17/ 2016-17 dated 24.01.2017
23	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details	Water Bodies <ul style="list-style-type: none"> • Suhar Nadi, 4.8 Km in NW • Kair Nala, 10 Km in SE • Kanari Nala, 7.5 KM in S • Heran River, 14.3 Km in S • Paterh Nala, 3.3 Km in NE

It's being a case of major mineral, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Inventory of operating / proposed mines within 2 Km around the said mine.
2. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
3. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
4. Hydro geological studies should be carried out and be discussed in the EIA report.
5. Compliance of consent conditions of M. P. Pollution Control Board from concerned Regional officer.
6. Detailed plantation scheme with budgetary allocations be provided in the EIA report.
7. Mine water management plan be provided in the EIA report.
8. During monitoring sampling location will be properly scattered in the study area and atleast four surface quality monitoring stations and six ground water quality sample shall be selected.
9. Land use plan should be plotted on the map.
10. 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.

11. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
12. 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.
13. 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.
14. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.

8. Case No. - 5606/2017 Mr. Ashvin Maru S/o Shri Satish Maru, Chota Bazar, Ward 13 Unhel, Tehsil - Nagda, Dist. Ujjain, MP – 456221 Prior Environment Clearance for Stone Quarry in an area of 8.0 Ha. (98,800 cum per annum) (Khasra no. 574) at Village-Kundla, Tehsil - Nagda, Dist. Ujjain (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located (Khasra no. 574) at Village- Kundla, Tehsil - Nagda, Dist. Ujjain (MP) 8.0 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.2206 dated: 09/10/2017 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 16.00 ha including this mine.

S. No	Particulars	Details
1	Name of the project & its location:	8.00 Hectare Kundla Stone Quarry Of Ashvin Maru S/o Shri Satish Maru At Vill.- Kundla, Teh.-Nagda, Dist.-Ujjain (M.P.)

2	Name of the Company, Address Tele No. & E-mail :	Ashvin Maru S/o Shri Satish Maru Chota Bazar Ward 13 Unhel, Tehsil- Nagda, District- Ujjain (M.P.) 456221 ashwin2017maru@gmail.com Tele no. 9826062539		
3.	Latitude and Longitude of the project	Pillar No.	N	E
		A	23°21'50.32"	75°29'38.64"
		B	23°21'51.63"	75°29'43.34"
		C	23°21'48.20"	75°29'44.08"
		D	23°21'46.02"	75°29'55.36"
		E	23°21'44.93"	75°29'55.99"
		F	23°21'44.87"	75°29'55.19"
		G	23°21'43.36"	75°29'55.73"
		H	23°21'43.41"	75°30'00.24"
		I	23°21'41.36"	75°29'56.69"
J	23°21'40.06"	75°29'40.90"		
4.	If a Joint venture, the names & addresses of the JV partners including their share	Lease Owner		
5	Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.	New Lease Area 8.00 Hect. Mineral – Basalt- Capacity : 98800 per year Lease Period- 10 Year (17-18 to 26-27)		
6	Whether the project is in the Critically Polluted Area (CPA):	No.		
7	Cost of the project :	14 lakhs (Approx.)		
8	Employment generated/to be generated:	15-20		
9	Benefits of the project:	It's a mine of Basalt mineral.		

9	Whether new or expansion project. If expansion: (i) from MT to MT (ii) ii What is the % of expansion	It's a new project.
10	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.	No
11	If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF	No
12	No. and Date of the ToR /and revised ToR, if any, letter issued by the authority.	N.A.
13	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)	N.A.
14	If the project was considered in EAC, Pl. gives dates of the meeting (s).	No
15	Type of Mine: (Open cast/Underground/mixed)	Open cast Mine
16	Capacity of the mine applied for	8.00 Hect.
17	ML Area i. As per block allotment ii. As per approved mine plan	8.00 Hect.
18	Date of approval of mine plan, mine closure plan, status & date	Approval Letter no. 1853 Date..4.09.2017
19	Date of Board's approval:	No
20	Date of Ground water clearance:	No
21	Date of mine closure approval	Approval Letter no. 1853 Date..4.09.2017

22	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost		Details of EMP & CSR is given below:		
Cost of EMP					
Sr. No.	Environmental Management	Details of expenses	Capital Cost (Consolidated Expenses for Five Years)	Expenses per year (in Rs.)	
1.	EMP Cost	Production cost @ Rs. 200 / cu.m. Total production cost = Rs. 19760000 (98800 m ³) EMP cost = 3 % of total production cost	1880000.00	592800.00	
a	Dust suppression	Water cost = @ Rs. 300 / tanker * 3 * 240 days	1080000.00	216000.00	
b	Development of green belt area	Budgetary provision for plantation & its maintenance @ Rs. 500 / plant * 200 plants	500000.00	100000.00	
c	Environment Monitoring	Annual monitoring cost (six monthly basis one sample of Air/Water/Noise Level) @ Rs. 30000	300000.00	60,000.00	

D	Development/ Maintenance of Road	Approach Road upto 750 mtrs @200/meter	Nil	1,50,000.00
d	Reclamation/R ehabilitation	Not Require	Nil	Nil
e	Miscellaneous		Nil	66800.00
Total			1880000.00	592800.00

Cost of CSR

Sr. No.	CSR Activities	Details of expenses	Expenses per year (in Rs.)
1	Total CSR budget	Total production = 98800 cu.m. Profit per cu.m.=Rs. 100 = Rs. 9880000 Budget for CSR @ 2 % of the total profit	197600
a.	Education for children and old people of nearby villages along with the awareness training camp for the advance agricultural techniques like drip irrigation	40 % of annual CSR budget	79040

	b.	IT education camps and distribution of computers.	30 % of annual CSR budget	59280		
	c.	Health camps	15 % of annual CSR budget	29640		
	d.	Energy conservation awareness through distribution of solar lamps.	15 % of annual CSR budget	29640		
	Total			197600		
23	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions.		Details are given below:			
	A	B	C		D	E
	Year	Plantation during the year (No. of saplingS)	Area covered during the year in m²		Survival rate%	Remarks location/ Species
			BARRIER ZONE	Green belt Nos./area (Sqm)		
2017-18			200	600		
2018-19	200	600	200/600	80	Neem -40 Nos., Sissoo-40 Nos., Mango-40 Nos., Awala-40 Nos.,	

						Kachnar-40 Nos. Plantation @ 1/3 m ²
	2019-20	200	600	200/600	80	Neem -40 Nos., Sissoo-40 Nos., Mango-40 Nos., Awala-40 Nos., Kachnar-40 Nos. Plantation @ 1/3 m ²
	2020-21	200	600	200/600	80	Neem -40 Nos., Sissoo-40 Nos., Mango-40 Nos., Awala-40 Nos., Kachnar-40 Nos. Plantation @ 1/3 m ²
	2021-22	200	600	200/600	80	Neem -40 Nos., Sissoo-40 Nos., Mango-40 Nos., Awala-40 Nos., Kachnar-40 Nos. Plantation @ 1/3 m ²
	2022-23	200	600	200/600	80	Neem -40 Nos., Sissoo-40 Nos., Mango-40 Nos., Awala-40 Nos., Kachnar-40 Nos. Plantation @ 1/3 m ²
	2023-24	200	600	200/600	80	Neem -40 Nos., Sissoo-40 Nos., Mango-40 Nos., Awala-40 Nos., Kachnar-40 Nos. Plantation @ 1/3 m ²

	2024-25	200	600	200/600	80	Neem -40 Nos., Sissoo-40 Nos., Mango-40 Nos., Awala-40 Nos., Kachnar-40 Nos. Plantation @ 1/3 m ²
	2025-26	200	600	200/600	80	Neem -40 Nos., Sissoo-40 Nos., Mango-40 Nos., Awala-40 Nos., Kachnar-40 Nos. Plantation @ 1/3 m ²
	2026-27	200	600	200/600	80	Neem -40 Nos., Sissoo-40 Nos., Mango-40 Nos., Awala-40 Nos., Kachnar-40 Nos. Plantation @ 1/3 m ²
	Total	2000	6000 m²	2000/6000	80	
24	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details.			No		

The case was presented by the PP and their consultant and requested that their project be considered as B-2 category for following reasons:-

1. The production capacity is 98,800.00cum/year.
2. Being stone query, only occasional blasting is proposed thus ground vibrations are envisaged.
3. No environmental sensitive issues are observed which may be affected by the virtue of dolomite mining.

4. The nearest habitation is 1.5 Kms away.
5. No first order stream is passing through the lease area.
6. No ground water intersection is envisaged from the proposed mining hence no impact on hydro-geological aspects.

The committee after presentation decided that since 02 other mines are located within 500 meters and total area comprises is 16.0ha thus PP should submit a comprehensive EMP through QCI/NABET **accredited** consultant addressing following issues:-

1. Management and disposal plan of OB.
2. One month monitoring should be carried out for air, water and noise pollutants.
3. Transportation and evacuation plan of minerals considering production volume of all the mines within 500 meters radius.
4. Existing scenario of site should be discussed in the EMP in detail.
5. EMP should be supplemented by the recent photographs of the site.

9. Case No. - 5616/2017 M/s P.V.S. Infra Resources (I) Pvt. Ltd, 127/1, Sangam Colony, Baldeobagh, Jabalpur, MP – 482002 Prior Environment Clearance for Stone Deposit Mine in an area of 6.0 Ha.. (63,000 cum per annum) (Khasra no. 121, 123, 127, 128, 129, 130) at Village- Pandajhir, Tehsil - Tendukheda, Dist. Damoh (MP)

This is case of Stone Deposit Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located (Khasra no. 121, 123, 127, 128, 129, 130) at Village- Pandajhir, Tehsil - Tendukheda, Dist. Damoh (MP) 6.0 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.260 dated: 28/11/2017 has reported that there are 01more mines operating or proposed within 500 meters around the said mine with total area of 9.680 ha including this mine.

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

- **Pandajhir Quarry Lease of Sand Stone is located at village –Pandajhir, Tehsil Tendukheda, Distt. Damoh(M.P.).**

- The Office of the Collector Damoh has issued vide Dated 04/10/2017, in-principle Sanction for 6.0 ha quarry lease in favour of PVS Infra Resources (India) Pvt. Ltd.
 - The Sand Stone quarry has been Principal Order on 04/10/2017 Through Collector (Mining) Damoh.
 - The mine plan was approved by Directorate of Mines & Geology, Jabalpur, Madhya Pradesh vide letter no. 4054/KHANIJ/No./17 dated 06/11/17
 - Opencast manual and semi mechanized of mining method.
 - Proposed capacity of the minerals is 63,000 m³ per year.
 - The mine site is a Government Waste land, PREVIOUSLY operated by others
- Project Cost – 30 lakhs.
- Project Location : Khasra No. 121, 123, 127, 128, 129, 130, Village – Pandajhir Tahsil – Tendukheda, Dist. – Damoh, (M.P.)
 - Proposed Capacity – 63000 m³ per year
 - Mineral – Sand Stone (Minor Mineral)

Salient features of the project

Name of the project	Pandajhir Stone Mine
Land use	Govt. waste land.
Minerals to be mined out	Stone Deposit Mine
Total Reserve	543435 m ³
Life of Mine	Approx. 9 years @ 63000 m ³
Proposed production	63000 m ³ , Stone
Method of mining	Open cast semimechanized method
No. of working day in a year	300 days

Water requirement	10.50 kld
Source of water	Ground water/ mine pit water
Depth of mine	Apprx. 19 m – 20m
Man power requirement	30 Nos.
Nearest City	Damoh- 60.0 km , Tendukheda- 12.0 km
Nearest Railway Station	Bhitoni- 25.0 km
Nearest Airport	Jabalpur- 41.0 km from the mines by road
Nearest Village	Pandajhir Village- at 1.6 km,
Nearest River /Nallah	Canal Katang – at 5.6 km
Topography	gentle

Ore Zone Volume in M³

Area M ²	Avg. Thickness- M	Volume M ³	Depleted Volume M ³	Left Volume M ³
60,000	19	1140000	203500	936500

Indicate Mineral Resources (332) (2% Mining loss)

$$936500 \text{ m}^3 \times 98\% = 917770 \text{ m}^3$$

Prefeasibility Mineral Resources (222)

$$\text{Ore blocked in barrier zone and bench slope} = 374335 \text{ m}^3$$

Hence Mineable reserve 122= 332-222

$$= 917770 - 374335 = 543435 \text{ m}^3$$

Mine Life= 543435/ 63000 = 8.6 say 9 years

Mining method

Proposed mining activity will be carried out open cast and semi mechanized method by continuing the excavation in the existing pit by extending the face of pit, which was operated in past by other company.

During the proposal period the old excavation will be merged in single pit

Pit No.	Avg. Area m ²	Avg. depth –m	No. of Benches	RL of the area
Pit – A	32856	18-19	3	520m

Following pit will be available at the end of QL period stage.

Pit No.	Avg. Area m ²	Avg. depth –m	No. of Benches	RL of the area
Pit – A	48752	19-20	3	520m

Drilling of the blast holes is proposed to be done by the compressed air operated jack hammers and wagon drill height of the bench is proposed to be kept at 2-6 m where as the jack hammer drill will make 1.5m deep bore hole which will be done in three to four stages or wagon drill will do deeper bore holes at one required massive formation. The specification of the jack hammer and wagon drill is as follows:

Control blasting shall be carried out. Gunpowder with safety fuse or special gentian having 80% strength will be used for blasting

Burden	spacing	depth of Hole C	output/Hole A X B X C	Meterage
1m	1.2m	1.5m	1 X 1.2 X 1.5= 1.8 m ³	30m

Broad Blasting Parameters

Spacing	-	2
Burden	-	4
Depth of hole	-	6
Powder factor	-	8 t/kg.
Dia of hole	-	110 mm

Water Pollution Control Measures

There is no surface water bodies, following steps will be taken for water quality management.

- The depth of groundwater water level is seen at 26 m depth RL 510m and mining is given up to RL 517m thus no intersect GW.
- Garland drain has been provided alongside the mine pit. Size of Garland drains are 1.0m x 1.5m along with settling tank of 3.m x 3.0m x 2.0m.

The case was presented by the PP and their consultant. During deliberation the committee observed that a village road is passing 40 meter away from the lease. Thus addition 10 meter area along the road should be left as setback excluding 7.5 meter barrier zone. After presentation, PP was asked to submit response on following:

1. Revised scheme of plantation with additional plantation of 4800 saplings.
2. CSR budget should be bifurcated in to capital and recurring.
3. Revised DFO certificate in the format prescribed by SEIAA.

(Dr. Mohd. Akram Khan)
Member

(Dr. A.K. Sharma)
Member

(Dr. J. P. Shukla)
Member

(Dr. Sonal Mehta)
Member

(Prashant Shrivastava)
Member

(Dr. R. Maheshwari)
Member

(Mohd. Kasam Khan)
Chairman

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

Annexure- 'A'

Standard conditions applicable to Stone/Murrum and Soil quarries:

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

Annexure- 'B'

Standard conditions applicable for the sand Mine Quarries*

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

Annexure- 'C'

Standard conditions applicable for the Khodu Bharu sand Mine Quarries*

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
4. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
5. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
6. The mining activity shall be done manually.
7. Heavy vehicles shall not be allowed for removal of sand.
8. The sand shall be transported by small trolleys up to the main transport vehicle.
9. Transport vehicles will be covered with 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.