

The 545<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 29<sup>th</sup> January, 2022 under the Chairmanship of Dr. Praveen Chandra Dubey for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing –

1. Shri Raghvendra Shrivastava, Member.
2. Prof. (Dr.) Rubina Chaudhary, Member
3. Dr. A. K. Sharma, Member.
4. Prof. Anil Prakash, Member.
5. Prof. (Dr.) Alok Mittal, Member
6. Dr. Jai Prakash Shukla, Member.
7. Dr. Ravi Bihari Srivastava, Member.
8. Shri A.A. Mishra, Member Secretary.

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

1. **Case No 7229/2020 Shri Sunny Goyal S/o Shri Motilal Goyal, R/o Hariyana Bhawan, Panna Naka, Dist. Satna, MP - 485446, Prior Environment Clearance for approval of Stone Mining in an area of 2.283 ha. (15000 cum/year) (Khasra No. 1032/2, 1035/3, 3/1/KA, 3/1/Kha/3/1/GA, 3/1/GHA, 3/2, 3/3) at Village- Gangwariya & Sukulgawan, Tehsil- Nagod, District- Satna (MP) Env. Consultant Globus Environment Engineering Service, Lucknow (U.P.)**

This is case of Stone Mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1032/2, 1035/3, 3/1/KA, 3/1/Kha/3/1/GA, 3/1/GHA, 3/2, 3/3) at Village- Gangwariya & Sukulgawan, Tehsil- Nagod, District- Satna (MP) 2.283 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 901 dated 29/5/2020 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 08.535 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 443<sup>rd</sup> SEAC dated 02/07/2020 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

In this meeting the EIA was presented by Env. Consultant Shri Anand Gupta from M/s. Globus Environment Engineering Service, Lucknow (U.P.) on behalf of PP. During presentation committee observed that in the online Form-II and other submissions in the EIA report have not correctly matched with the mentioned points/information. Committee takes this matter seriously and informed Env. Consultant to carefully upload EIA and avoid any such error in document uploading in future and asked Env. Consultant to submit entire copy of fresh EIA report which should properly match with mentioned serial numbers and contents. Then after the case shall be further considered. Following are the points where information found mismatched in the online submitted EIA report.

### **EIA Shortcomings**

The EIA report is illegible and TOR replies given in the EIA report are ambiguous and misleading. The consultant should be asked to submit a clearer revised copy incorporating all following changes/modifications:

#### **Reply to Point Wise Compliance of TOR Reply (Page 1/6 to 1/7)**

1. S.No. II Annexure is not available
2. S.No. V Annexure-5 is not available
3. S.No. VI Annexure- IV & I are not available
4. S.No. VII Annexure- VIII is not available
5. S.No. VIII Annexure- III is not available
6. S.No. X Annexure- III is not available

#### **Reply to Other Points to be Addressed (Page 1/7 to 1/8)**

- In all the replies given in 15 rows, instead of writing only Chapter number, Specific Para or Section Number/Figure Number/Table Number and page number should be mentioned.
- Each row should be numbered
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#### **Reply to General Conditions (Page 1/8 to 1/10)**

1. S.No. 1, Specific Para or Section Number/Figure Number/Table Number and page number should be mentioned
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3. S.No. 3, Specific Para or Section Number/Figure Number/Table Number and page number should be mentioned

4. S.No. 4, Specific Para or Section Number, Annexure number and page numbers should be mentioned
  5. S.No. 12, Specific Para or Section Number and page numbers should be mentioned
  6. S.No. 14, Specific Para or Section Number and page numbers should be mentioned
  7. S.No. 24, Specific Para or Section Number and page number should be mentioned
- Reply to Additional TOR (Page 1/10 to 1/11)**
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  3. S.No. 3, Specific Para or Section Number/Figure Number/Table Number and page number should be mentioned.

In the revised EIA report all the chapters, sections, tables and figure numbers should be thoroughly checked & revised copy of the EIA should be submitted to all members either through SEAC or by post. The copy must reach at least 10 days prior to the meeting scheduled for this case.

**2. Case No 7231/2020 Shri Sunny Goyal S/o Shri Motilal Goyal, R/o Hariyana Bhawan, Panna Naka, Dist. Satna, MP – 485446 Prior Environment Clearance for approval of Stone Mining in an area of 2.974 ha. (20000 cum/year) (Khasra No. 10/1, 10/2, 12/1, 12/2/1, 12/3, 12/4) at Village- Baraj, Tehsil- Nagod, District- Satna (MP) Env. Consultant Globus Environment Engineering Service, Lucknow (U.P.)**

This is case of Stone Mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 10/1, 10/2, 12/1, 12/2/1, 12/3, 12/4) at Village- Baraj, Tehsil- Nagod, District- Satna (MP) 2.974 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 898 dated 29/5/2020 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 08.535 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 443<sup>rd</sup> SEAC dated 02/07/2020 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

In this meeting the EIA was presented by Env. Consultant Shri Anand Gupta from M/s. Globus Environment Engineering Service, Lucknow (U.P.) on behalf of PP. During presentation committee observed that in the online Form-II and other submissions in the EIA report have not correctly matched with the mentioned points/information. Committee takes this matter seriously and informed Env. Consultant to carefully upload EIA and avoid any such error in document uploading in future and asked Env. Consultant to submit entire copy of fresh EIA report which should properly match with mentioned serial numbers and contents. Then after the case shall be further considered. Following are the points where information found mismatched in the online submitted EIA report.

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5. S.No. 12, Specific Para or Section Number and page numbers should be mentioned
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7. S.No. 24, Specific Para or Section Number and page number should be mentioned

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3. S.No. 3, Specific Para or Section Number/Figure Number/Table Number and page number should be mentioned.

In the revised EIA report all the chapters, sections, tables and figure numbers should be thoroughly checked & revised copy of the EIA should be submitted to all members either through SEAC or by post. The copy must reach at least 10 days prior to the meeting scheduled for this case.

**3. Case No 8491/2021 Shri Shubham Goyal, Hariyana Bhawan, Panna Naka, Dist. Satna, MP - 485446 Prior Environment Clearance for Stone Quarry in an area of 1.70 ha. (5000 cum per annum) (Khasra No. 267/2, 268/1Kha, 268/2, 271/1/Gya/1, 271/1/Gya/2), Village - Badhaw Ubari, Tehsil - Nagod, Dist. Satna (MP) Env. Consultant Globus Environment Engineering Service, Lucknow (U.P.)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 267/2, 268/1Kha, 268/2, 271//Gya/1, 271/1/Gya/2), Village - Badhaw Ubari, Tehsil - Nagod, Dist. Satna (MP) 1.70 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 900 dated 29/5/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 6.957 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 498<sup>th</sup> SEAC dated 06/04/2021 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

In this meeting the EIA was presented by Env. Consultant Shri Anand Gupta from M/s. Globus Environment Engineering Service, Lucknow (U.P.) on behalf of PP. During presentation committee observed that in the online Form-II and other submissions in the EIA report have not correctly matched with the mentioned points/information.

Committee takes this matter seriously and informed Env. Consultant to carefully upload EIA and avoid any such error in document uploading in future and asked Env. Consultant to submit entire copy of fresh EIA report which should properly match with mentioned serial numbers and contents. Then after the case shall be further considered. Following are the points where information found mismatched in the online submitted EIA report.

### **EIA Shortcomings**

TOR replies given in the EIA report are ambiguous and misleading. The consultant should be asked to submit a clearer revised copy incorporating all following changes/modifications:

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1. S.No. II Annexure-IX is not available
2. S.No. V Annexure-VI is not available
3. S.No. VI Annexure- V is not available
4. S.No. VII Annexure- VIII is not available
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The reply is incomplete, particularly points 4 & 6, where information is to be provided in tabular form

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2. S.No. 2, No proof(s) is/are attached.
3. S.No. 3, Specific Para or Section Number/Figure Number/Table Number and page number should be mentioned
4. S.No. 4, Specific Para or Section Number, Annexure number and page numbers should be mentioned
5. S.No. 5, Specific Para or Section Number, Annexure number and page numbers should be mentioned
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10. S.No. 24, Specific Para or Section Number and page number should be mentioned
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12. S.No. 32, Specific Para or Section Number and page numbers should be mentioned

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3. S.No. f, Specific Para or Section Number/Figure Number/Table Number and page number should be mentioned
4. S.No. g, Specific Para or Section Number/Figure Number/Table Number and page number should be mentioned
5. S.No. h, Specific Para or Section Number/Figure Number/Table Number and page number should be mentioned

In the revised EIA report all the chapters, sections, tables and figure numbers should be thoroughly checked & revised copy of the EIA should be submitted to all members either through SEAC or by post. The copy must reach at least 10 days prior to the meeting scheduled for this case.

**4. Case No 7230/2020 Shri Shubham Goyal , R/o Hariyana Bhawan, Panna Naka, Dist. Satna, MP - 485446, Email - , Mobile – 7398540583 Prior Environment Clearance for approval of Stone Mining in an area of 1.578 ha. (5000 cum/year) (Khasra No. 158/1KA) at Village- Bara Pathar, Tehsil- Nagod, District- Satna (MP) Env. Consultant Globus Environment Engineering Service, Lucknow (U.P.)**

This is case of Stone Mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 158/1KA) at Village- Bara Pathar, Tehsil- Nagod, District- Satna (MP) 1.578 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 899 dated 29/5/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 06.835 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 443<sup>rd</sup> SEAC dated 02/07/2020 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

**EIA Shortcomings**

TOR replies given in the EIA report are ambiguous and misleading. The consultant should be asked to submit a clearer revised copy incorporating all following changes/modifications:

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2. S.No. III Specific Para or Section Number, Annexure number and page numbers should be mentioned
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4. S.No. VII Annexure- VIII is not available
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5. S.No. 4, Specific Para or Section Number should be mentioned
6. S.No. 7, Provide proof of the same or mention Annexure number
7. S.No. 12, Specific Para or Section Number and page numbers should be mentioned
8. S.No. 14, Specific Para or Section Number and page numbers should be mentioned
9. S.No. 16, Annexure-IV is not available
10. S.No. 24, Specific Para or Section Number and page number should be mentioned

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In the revised EIA report all the chapters, sections, tables and figure numbers should be thoroughly checked & revised copy of the EIA should be submitted to all members either through SEAC or by post. The copy must reach at least 10 days prior to the meeting scheduled for this case.



**5. Case No 8895/2021 M/s. Balveer Singh Contractor, Authorized Person Shri Braj Mohan Pratap Singh, Village - Kaithuli, Tehsil - Bhanpura, Dist. Mandsaur (MP) Prior Environment Clearance for Soil/Murum Quarry in an area of 2.0 ha. (80,000 Cum per annum) (Khasra No. 696/1/1 min-2), Village - Kaithuli, Tehsil - Bhanpura, Dist. Mandsaur (MP) RQP Nikita Prajapati and Mr. Sishupal Verma**

This is case of Soil/Murum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 696/1/1 min-2), Village - Kaithuli, Tehsil - Bhanpura, Dist. Mandsaur (MP) 2.0 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Nikita Prajapati and Mr. Sishupal Verma on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Pramanpatra) letter No. 2052 dated 27/09/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

PP stated that this lease was obtained under temporary permit (TP) which is valid upto 04 months only i.e. 20.03.2022. The method of mining will be open cast manual. As per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area. Regarding a kachha road in the north side PP stated that this is not a public road and just ending in the lease boundary.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachha Road	Just in adjacent	North side	PP stated that this is not a public road and just ending in the lease boundary, even thehsildar NOC has not mentioned existing of any kachha road.

The Committee after deliberation asked PP to submit commitment from PP to complete the plantation upto a month of February 2022 as this is a case of TP which is valid till the month of March 2022 or PP may consult local concerned DFO for the proposed plantation and requisite amount for the plantation may deposited to the forest department

of 5000 plants including cost of sowing of seeds in the garland drain, plant maintenance and fruit bearing plant distribution through Gram Van Samiti.

After presentation committee asked PP to submit response on following issue:

- PP may consult local concerned DFO for the proposed plantation and requisite amount for the plantation may deposited to the forest department of 3000 plants including cost of sowing of seeds in the garland drain, plant maintenance and fruit bearing plant distribution through Gram Van Samiti before March 2022 and commitment from PP for remaining 2000 trees shall be planted upto March 2022 by PP itself.
- Revised CER including proposal of adaptation of any village Aganwadi for supply of any nutritious food for 01 year as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 29/01/2022, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Soil/Murum 80,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.12.27 Lakh as capital and Rs. 00.40 Lakh/year.
3. PP may consult concerned DFO for the proposed plantation and requisite amount for the plantation may deposited to the forest department of 3000 plants including cost of sowing of seeds in the garland drain, plant maintenance and fruit bearing plant distribution through Gram Van Samiti before March 2022 and commitment from PP for remaining 2000 trees shall be planted upto March 2022 by PP itself.
4. Under CER activity, following activities are proposed based public hearing issues.

<u>B.</u>	<b><u>CER For Social Welfare (in terms of Physical activities)</u></b>	
	<b>Particulars</b>	<b>Amount</b>
	<ul style="list-style-type: none"> <li>▪ Distribution of 500 fruits bearing &amp; fodder trees (to 450 household ) like Orange, amla, Kathal, Munga, Papaya and Mango etc to villagers of Kaithuli for planting through gram van samiti.</li> </ul>	25,000/-
	<ul style="list-style-type: none"> <li>▪ Distribution of Masks (1000nos for 450 household) and Sanitizers (300 nos ) to villagers of Kaithuli due to Covid-19.</li> </ul>	15,000/-
	<ul style="list-style-type: none"> <li>▪ Organizing Climate &amp; oral health awareness program in village Kaithuli.</li> </ul>	10,000/-
	<ul style="list-style-type: none"> <li>▪ Adopting the local Aanganwadi kendra of village kaithuli for providing and facilitating Poshan ahaar Yojna.</li> </ul>	1,00,000/-
	<b>Total</b>	<b>1,50,000/-</b>

**6. Case No 8896/2021 Shri Bhupesh Bawankude, Owner, B-1/16, Aditya Bridge Park, Belawadi, Dist. Pune, Mah. - 480334 Prior Environment Clearance for Stone Quarry in an area of 3.45 ha. (25000 Cum per annum) (Khasra No. 237), Village - Lavhana, Tehsil - Pandhurna, Dist. Chhindwara (MP) RQP Shri Balraj Singh Choudhary**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 237), Village - Lavhana, Tehsil - Pandhurna, Dist. Chhindwara (MP) 3.45 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Balraj Singh Choudhary on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-patra) letter No. 5629 dated 26/10/21 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.882 ha., including this mine. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Pucca Road	264 & 466	East & South-west	Three rows of Plantation towards road with tree guard side.
Water impounding structure/stop dam	Within lease	South- West corner	PP stated that there is no Water impounding structure/stop dam. Even Tehsildar vide their letter no.777 dated 10.03.21 has not mentioned existence of any such structure /watr body
Natural drain	25	South- West corner	

PP further stated that stated that HT line existed in the north side which is mentioned in the LoI, PP stated that none of the Water impounding structure existed .After presentation committee asked PP to submit response on following issue:

- Clarifiacion wrt Water impounding structure existing within lease area in the South- West corner of the lease.
- Revised plantation scheme of 4800 nos of tree with bifurcation of proposed plantation in the Barrier zone, approach road & within lease area with PP's commitment that plantation shall be carried out in the I<sup>st</sup> yaer as suggested by committee.
- Revised CER including proposal of adoption of any village Aganwadi for supply of any nutritious food for 01 year as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 29/01/2022, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that the EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 25,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.10.93 Lakh as capital and Rs. 02.07 Lakh/year.
3. As proposed, a minimum of 4800 trees shall be planted as per the submitted plantation scheme.
4. Under CER activity, following activities are proposed based public hearing issues.

		FOR SOCIAL WELFARE:	Amount to be spent
Village-Jabardi.	A.	Providing infrastructure & need based support in Govt. High school as under:	
		Plantation of 50 species of Neem, Maulshree, Putranjeeva, Kadam, Kachnar will be planted in school premises with Tree Guard and Name plate of species. (Rs. 10,000 @ 200 /species).	Rs. 10,000
		Fyber Slides at Village Middle School Jabardi. (Rs. 25000).	Rs. 40,000
		First year Poshan Aahar Provided to Village Aganwadi , (Rs. 50,000)	Rs. 50,000
		Total	1,00000.00

7. **Case No. – 7661/2019 M/s. Opium and Alkaloid Works, Ministry of Finance Department of Revenue, Shri Harinarayan Meena, General Manager, Bungalow No. 57, Besides Ashish Bhavan Church, Station Road, Dist. Neemuch, MP - 458441 Prior Environment Clearance for Expansion in Processing of Opium & Manufacturing of Alkaloids at Bungalow No. 57, Besides Ashish Bhavan Church, Station Road, Dist. Neemuch (MP). Existing capacity of production: 8.4MT/year, Proposed Enhancement Capacity – 21.6 MT/Year, (hence, total capacity 30.0 MT/Year) Land Area – 57,000 sqm. Env. Consultant: M/s. SMS Envirocare Limited , Pune, (MH).**

This is case for Prior Environment Clearance for Expansion and Processing of Opium & Manufacturing of Alkaloids at Bungalow No. 57, Besides Ashish Bhavan Church, Station Road, Dist. Neemuch (MP).

The case was scheduled in 460<sup>th</sup> meeting dated 24/09/2020 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

In the 463<sup>rd</sup> SEAC Meeting dated 01/10/2020 the PP and their consultant presented the EIA before the committee the salient features of this project are as:

During scrutiny of document it was observed by committee that there are several discrepancies in the report submitted by PP. Some of them are following:

- During presentation PP informed that public hearing was conducted 08.10.2019 but no details were given in the submitted EIA report.
- Justify- Capacity of existing DG set is 475.5 kVA in the MPPCB consent form where as in the EIA report PP mentioned existing DG set capacity of 435kVA.
- How high COD waste of > 30,000 will be treated. Being API, separation of high COD and low COD stream shall be treated separately to achieve zero liquid discharge.
- Details given in PFR and EIA shall be same wherein in the submitted EIA and PFR there is mismatch in details.
- Reason for high TDS and hardness are not justified in the EIA report.
- In the attached analysis reports the sample collection date is 09/05/2018 while the date of analysis is mentioned as 11/05/2019 please justify.
- The period of monitoring is mentioned as 1<sup>st</sup> March 2018 to 31<sup>st</sup> march 2018 why only one month monitoring was carried out, justify.
- Many enclosures attached with the EIA report are not legible and even attached photocopies are not as per their serial numbers.
- Study of fauna is not classified as per the schedule. Please justify if there is any schedule- I species found in the study area. If yes, their wild life management plan made in consultation with Chief Wildlife Warden.
- Details of any risk assessment study carried out.

After presentation PP/consultant was asked to submit revised EIA report incorporating all the above details/ document in legible form for further consideration of the project.

Earlier case was discussed in 463<sup>rd</sup> SEAC Meeting dated 01/10/2020 and the case was recommended for delisting. PP requested vide letter no. PM/R&D/MPPCB/2017 dated 03/11/2020 for relisting and SEIAA relisted the case and same was forwarded to SEIAA letter no. 5093 dated 07/12/2020.

The case was scheduled in 470<sup>th</sup> meeting dated 18/12/2020 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation.

SEIAA vide letter 5053/SEIAA/2020 dated 07-12-2020 case relisted and send technical file to SEAC along with PP request letter dated 03.11.2020.

The case was presented by PP and their consultant in the SEAC 473<sup>rd</sup> dated 07.01.2021 wherein during appraising the query reply presentation PP was asked to submit following clarification for further consideration of the project:-

1. Revised list of proposed products for EC because out of 23 proposed products quantities for only 08 have been mentioned. Thus exact details with quantity shall be provided for which EC is sought.
2. Material balance and mass balance of the products used in the process.
3. PP Undertaking that no additional construction shall be taken up in the existing infrastructure.
4. Proposal for clean fuel based boiler of proposed 2.5 TPH capacities shall be submitted instead of traditional fuel based boiler.
5. The existing 01 boiler is proposed for dismantling thus details of C&D and its disposal plan shall be submitted..
6. Revised water balance chart, why there is no water consumption for existing green belt?
7. Man power requirement after expansion.
8. Revised details of BOD/COD as per compliance condition no.03.
9. Flow diagram of ETP process with numeric value.
10. Undertaking that solvent recovery shall be >95%.
11. Source of empty barrels and spent carbon.
12. Technical details of proposed Ozonator (1.4 kg/hr) at the inlet and PP's commitment for its installation.
13. Please refer EIA page 107 wherein the period of monitoring is mentioned as 1<sup>st</sup> March to 31<sup>st</sup> March-please justify.

The case was delisted in 676<sup>th</sup> SEIAA meeting dated 09/4/21 as per recommendation of SEAC. Now on request of PP the case was discussed in 683<sup>rd</sup> SEIAA meeting dated 27/8/21 and recorded that "Now through email dated 02/08/21. PP has submitted queries reply raised in 473<sup>rd</sup> SEAC meeting dated 07/1/2021 and requested to re-list the case accordingly. The matter was discussed and decided to re-list the case and send to SEAC along with technical file for further procedure.

The case was scheduled in 521<sup>th</sup> meeting dated 14/10/2021 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation.

The case was scheduled again for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 527<sup>th</sup> meeting dated 12/11/21 & 521<sup>th</sup> meeting dated 14/10/2021. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was scheduled for presentation on 29.01.2022 wherein PP Shri Naresh Bundel, IRS, General Manager, Shri Venugopal Darbha, Production Manager, Shri N.M. Rudresh, Safety officer, Dr. Janardan Singh Yadav, TG-I. & Shri Nilesh Deshmukh Env. Consultant from M/s. SMS Envirocare Limited, Pune, (MH). PP has presented queries reply raised in 473<sup>rd</sup> SEAC meeting dated 07/01/2021. PP has replied the same on PARIVESH portal on dated 24.01.2022.

### **Chronology of Project**

S. No.	Particulars	Date
1	Online Application Submitted to MoEF&CC Online Portal	10 <sup>th</sup> March 2018
2	Query/EDS by EAC regarding inter-state boundary distance certificate	14 <sup>th</sup> March 2018
3	Resubmission of Application along with distance Certificate	18 <sup>th</sup> April 2018
4	The case Accepted by EAC	23 <sup>rd</sup> April 2018
5	Form-I, PFR and supporting documents hard copy submitted to MoEF&CC New Delhi	02 <sup>nd</sup> May 2018
6	Standard ToR Granted	24 <sup>th</sup> May 2018
7	Baseline Monitoring	1 <sup>st</sup> March 2018 to May 31 <sup>st</sup> 2018
8	Public Hearing	8 <sup>th</sup> December, 2019
9	Final EC Document Submission	08 <sup>th</sup> August 2020
10	Earlier SEAC Presentation	7 <sup>th</sup> January, 2021
12	Present SEAC Presentation	29 <sup>th</sup> January, 2022



### Requirement of Project

Sr. No.	Particular	Detail				Source
1	Area requirement	Total: 57000.00 Sq. m. GBA: 19000 sq. m				Owned by GOAW. Expansion capacity of the project will be achieved by process augmentation in existing unit hence no additional land will be required
2	Water Requirement	Total Water Requirement: 274.0 KLD (Fresh Water: 274 KLD )				Neemuch Nagar Palika & Tanker
3	Power Requirement	Connected Load: 450 KVA Demand Load: 256 KVA				MP Paschim Kshetra Vidhyut Vitran Co. Ltd.
		DG Set: 1 nos. of D.G. Set of 475.5 KVA				In case of Emergency
4	Fuel requirement	Furnace Oil for Boiler: 170.0 Lit/hr HSD for DG set: 8.0 Lit/hr				BPCL, Mangliya Depot, Indore Local petrol pump
5	Manpower Requirement	Category	Working Strength	Vacant Position	Sanction Strength	As per govt. procedure
		GOAW Cadre	182	215	397	
		CBN Cadre	27	53	80	
		CRCL Cadre	9	20	29	
		Total	218	288	506	
6	Boiler (2 Nos.)	1.5 TPH Capacity each Furnace Oil Fired based				For the proposed expansion 2.5 TPH Boiler will be installed and after that 1.5 TPH boiler will be dismantled.

### Raw Chemical Requirement

Sr. No.	Raw Material	Unit	Annual Quantity			Source & Transport Mode
			Existing	Proposed	Total	
1	Acetic Acid	Kg	20692	53208	73900	Authorized Local Supplier and
2	Activated Carbon	Kg	952	2448	3400	

3	Ammonia Gas Pure	Kg	9520	24480	34000	transportation by Road
4	Normal Butanol	Liter	29120	74880	104000	
5	Caustic Soda Flakes/Lye	Kg	71680	184320	256000	
6	Filter Aid (dicamol)	Kg	14560	37440	52000	
7	Filter Cloth	Meter	728	1872	2600	
8	Phosphoric Acid	Kg	1820	4680	6500	
9	Potassium Carbonate	Kg	4718	12132	16850	
10	Rectified Spirit	Liter	21806	56074	77880	
11	Sulphuric Acid	Kg	35594	91526	127120	
12	Tartaric Acid	Kg	865	2225	3090	
13	TMPAC (Tri methyl phenol	Kg	3528	9072	12600	
14	Toluene	Liter	174160	447840	622000	
15	Absolute alcohol	Liter	29338	75442	104780	
16	Sodium Hypochloride	Liter	1473	3787	5260	
17	De-emulsifier	Liter	347	893	1240	
18	Carbon Merck/Qualigenes	Kg	532	1368	1900	
19	Sulphuric Acid GR	Liter	39	101	140	
20	Beta morphino Ethyl Chloride HCL	Kg	146	374	520	

Reply submitted by PP raised in the 527th SEAC Meeting dated 12.11.2021

### **Compliance of the Conditions**

<b>Sr. No.</b>	<b>Observation</b>	<b>Reply/ Compliance</b>
1	Revised list of proposed product for EC because out of 23 products quantities for only 08 have been mentioned. Thus except details with quantity shall be provided for which EC is sought.	It is pertinent to mention here that initially Drug Licence was obtained for 23 products from FDA, Bhopal. We would like to mention that only 8 products may be extracted from Opium. Remaining products may not be produced because their presence in Opium is very much less (<0.2% of Morphine or containing any diacetylmorphine) as well as their procedure is not developed in our organisation or its extraction/preparation. Final list of 8 product with quality is given below:

<b>Sr. No.</b>	<b>Name of Products</b>	<b>Quantity</b>
1	Codeine Phosphate	20000 kg
2	Pholcodine IP	500 kg
3	Morphine BPC	Intermediate for Codeine Phosphate and Morphine Sulphate.
4	Morphine Sulphate	800 Kg

5	Codeine IP	Intermediate for Codeine Phosphate.
6	Thebaine IP	1200 kg
7	Narcotine	5500 kg
8	Papavarine	2000 kg
Total		30000 kg= 30MT/Year

**Material balance and mass balance of the products used in the process Conservation of Mass:-**

One of the basic laws of physical science is the law of conservation of mass. This law says that mass cannot be created or destroyed (excluding nuclear or atomic reactions). Hence, the total mass of all materials entering any process must equal the total mass of all materials leaving plus the mass of any materials accumulating or left in the process:

$$\text{Input} = \text{Output} + \text{Accumulation}$$

**Material Balances and Chemical Reaction:-**

In Government Opium & Alkaloid Works, Neemuch, the materials entering a process undergo chemical reactions in the process, so that the materials leaving are different from those entering.

Input → Process (by Chemical Reaction/ by Separation)

↓                  ↓  
Products      Waste

**Opium-**

Opium is milky latex that is collected from the seed capsules of the opium poppy (*Papaver Somniferum*). The opium (gum or latex) contains a mixture of alkaloids, terpenoids, phenols, and various proteins. It is unique in its therapeutic value and is indispensable in the medical world.

Crude/Raw Opium [this contains about 40% water content, 5% Meconic acid & about 21.5 % major alkaloids↓ ]		
1	Morphine	12.0%
2	Codeine	2.5%
3	Thebaine	1.5%
4	Noscapine	5.0%
5	Papaverine	0.5%
	Total	21.5%
Following drugs are not prepared by Opium directly these are prepared by extracted alkaloids		

6	Codeine Phosphate	By Codeine
7	Morphine Sulphate	By Morphine
8	Pholcodeine	By Morphine

The five opium alkaloids which occur naturally in the largest amounts are morphine, codeine, thebaine, Noscapine and papaverine. Of these, three are phenanthrene alkaloids and are under international control: these are morphine, codeine, and thebaine. They are all three used in the drug industry, thebaine usually for conversion into some derivative which is more useful medically. Consequently, the five economically significant alkaloids of opium are morphine, codeine, thebaine, noscapine and papaverine.

Besides, about twenty other alkaloids exist in opium but they have little or no significance medically or economically up to the present time. A number of other "opium alkaloids" are commercial products and are used medically, but they are not obtained directly from opium, but by conversion of morphine, codeine and thebaine.

Calculation for mass balance is as follows:-

Opium (Input) = Alkaloids (output) + Opium Marc (Accumulation) + Moisture ( $H_2O$ ↑) & Meconic Acid – [1]

120 Kg Opium (about 40% water content & 5% Meconic Acid and 21.5% alkaloids)	+ 20 kg filter aid
↓	↓
(40% $H_2O$ & 5% Meconic Acid found in opium) so =120-54(45% of 120) =66 (Mass opium)	+ 20kg filter aid
↓	↓
=66-14.19= 51.81kg [about 21.5% alkaloids(66x21.5%)=14.19]	+ 20kg filter aid
↓	↓
51.81 Kg opium marc+0.200kg ETP sludge (These also contains about 20% water in wet condition)	+ 20kg filter aid
52.01kg (51.81+0.200) x 20%= 10.40 kg ≈ 10 kg	+ 20kg filter aid
10 Kg +20 kg =30 kg total hazardous wastes are being generated in each batch and also accumulated	

Thus, **120 Kg** opium =40% $H_2O$  & 5% Meconic Acid (i.e.120x45%= **54 kg**)  
+ 21.5% Alkaloids (i.e. 66x21.5%=**14.19 kg**)  
+ Opium Marc (**51.81 kg**)

Accordingly, the mass balance as per equation [1] above will be:-

$$120 \text{ kg} = 14.19 \text{ kg} + 51.81 \text{ kg} + 54 \text{ kg}$$

**PP submitted following undertakings & commitments-**

- PP Undertaking that no additional construction shall taken up in the existing infrastructure- PP submitted I do hereby undertake that no additional construction shall be taken up in this existing infrastructure for this expansion.
- The undersigned do hereby undertake that the solvent recovery shall be more than 95%.
- The undersigned do hereby commit that the proposed ozonator (1.4 kg/hr) at the inlet shall be installed at the earliest.

Accordingly, point wise reply/clarification is furnished as follows:

S.No.	Query	Reply/clarification			
1	Revised list of proposed products for EC because out of 23 proposed products quantities for only 08 have been mentioned. Thus exact details with quantity shall be provided for which EC is sought	<p>It is pertinent to mention here that initially Drug License was obtained for 23 products from FDA, Bhopal. Thereafter, the licence is being renewed for these products on every interval-<b>Annexure “A”</b>. So these products were mentioned in EIA Report (<b>Chapter -2, page no 18</b>).</p> <p>It is worth mentioning here that only 8 products may be extracted from Opium. Remaining products may not be prepared because their presence in opium is very much less (&lt;0.2% of morphine or containing any diacetylmorphine) as well as their procedure is not developed in our organization for its extraction/preparation.</p> <p>Therefore, EC is required for only 08 products, which are mentioned on S.No. 1 to 8 in table 2.2 chapter 2, page 18 of EIA Report.</p> <p>List is as follows:-</p> <table border="0"> <tr> <td> <ol style="list-style-type: none"> <li>1. Codeine Phosphate IP</li> <li>2. Pholcodine IP</li> <li>3. Morphine BPC</li> <li>4. Morphine Sulphate IP</li> <li>5. Codeine IP</li> <li>6. Thebaine IP</li> <li>7. Narcotine</li> <li>8. Papavarine</li> </ol> </td> <td style="font-size: 3em; vertical-align: middle; padding: 0 10px;">}</td> <td style="vertical-align: middle;">30 MT/Year</td> </tr> </table>	<ol style="list-style-type: none"> <li>1. Codeine Phosphate IP</li> <li>2. Pholcodine IP</li> <li>3. Morphine BPC</li> <li>4. Morphine Sulphate IP</li> <li>5. Codeine IP</li> <li>6. Thebaine IP</li> <li>7. Narcotine</li> <li>8. Papavarine</li> </ol>	}	30 MT/Year
<ol style="list-style-type: none"> <li>1. Codeine Phosphate IP</li> <li>2. Pholcodine IP</li> <li>3. Morphine BPC</li> <li>4. Morphine Sulphate IP</li> <li>5. Codeine IP</li> <li>6. Thebaine IP</li> <li>7. Narcotine</li> <li>8. Papavarine</li> </ol>	}	30 MT/Year			
2	Material balance and mass balance of the products used in the process	Desired information is enclosed as <b>Annexure “B”</b>			
3	PP Undertaking that no additional construction	Undertaking is enclosed as <b>Annexure “C”</b>			

	shall taken up in the existing infrastructure	
4	Proposal for clean fuel based boiler of proposed 2.5 TPH capacities shall be submitted instead of traditional fuel based boiler	The proposal shall be submitted at the time of replacement of traditional boiler with clean fuel boiler.
5	The existing 01 boiler is proposed for dismantling thus details of C&D and its disposal plan shall be submitted	This shall be submitted in due course when the disposal plan is finalized.
6	Revised water balance chart, why there is no water consumption for existing green belt?	Water balance chart is enclosed as <b>Annexure “D”</b> . Provisions have been made for water consumption for green belt is 70 CMD in this chat.
7	Man power requirement after expansion	92 MTS (Multi Tasking Staff) is required in addition to existing staff. Accordingly, the process for recruitment of MTS as per RR of DoPT, Govt. of India, is being initiated.
8	Revised details of BOD/COD as per compliance condition no.03	Govt. Opium & Alkaloid Works, Neemuch falls under ZLD (Zero Liquid Discharge) category thus there will be no effect of BOD and COD on the environment.
9	Flow diagram of ETP process with numeric value	Flow Diagram of ETP with numeric value is enclosed as <b>Annexure “E”</b>
10	Undertaking that solvent recovery shall be >95%	Undertaking is enclosed as <b>Annexure “F”</b>
11	Source of empty barrels and spent carbon	Source of empty barrels is the packing materials of raw chemicals for production and of spent oils is in the existing DG Set.
12	Technical details of proposed Ozonator (1.4 kg/hr) at the inlet and PP's commitment for its installation	The commitment is enclosed as <b>Annexure “G”</b> and the details shall be provided at the time of installation of the same.
13	Please refer EIA page 107 wherein the period of monitoring is mentioned as 1 <sup>st</sup> March to 31 <sup>st</sup> March-please justify	The period of monitoring was mentioned as 01 <sup>st</sup> March, 2018 to 31 <sup>st</sup> May 2018 not 1 <sup>st</sup> March, 2018 to 31 <sup>st</sup> March 2018. Further, it is also submitted that this period was selected so that it can be done before monsoon season.

PP vide letter dated 04.01.2022 submitted reply of the above query. The query reply was discussed and after deliberations, presentation committee asked PP to submit following clarification / information:

- PP's commitment to plant 5,000 plants of specific species.
- PP's commitment to explore atleast 10% power shall be meet out through Solar Energy.

PP has submitted the response of above quarries same date vide letter dated 07/09/2021

PP vide letter dated 29.01.2022 submitted undertaking for the above query as given below:

- I do hereby undertake that about 5000 nos. of new plants of various species as enclosed in Annexure 'A' to this letter shall be planted in the existing area of 19000 sqm in the premises of Government Opium and Alkaloid Works, Neemuch M.P. during the expansion of project.
- I do hereby undertake that we shall explore to utilize solar energy up to 10% of the requirement for the expansion project of Government Opium and Alkaloid Works, Neemuch M.P.

The above submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for expansion of processing of opium and manufacturing of alkaloids at Government Opium & Alkaloid Works, Neemuch (M.P.) -458441. Existing capacity of production: 8.4MT/year, Proposed Enhancement Capacity – 21.6 MT/Year, (Hence, total capacity 30.0 MT/Year) Land Area – 57,000 sqm for following proposed EC product:

Sr. No.	Name of Products	Quantity (per year)
1	Codeine Phosphate	20000 kg
2	Pholcodine IP	500 kg
3	Morphine BPC	Intermediate for Codeine Phosphate and Morphine Sulphate.
4	Morphine Sulphate	800 Kg
5	Codeine IP	Intermediate for Codeine Phosphate.
6	Thebaine IP	1200 kg
7	Narcotine	5500 kg
8	Papavarine	2000 kg
Total		30000 kg= 30MT/Year

Subject to the following special conditions:

**(A) Statutory compliance:**

1. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Madhya Pradesh Pollution Control Board (MPPCB).
2. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
3. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

**(B) Air quality monitoring and preservation**

1. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions from the boiler, DG set and scrubber shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
2. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
3. The DG sets (1 x 475.5 KVA) shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
4. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
5. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

**(C) Water quality monitoring and preservation**



1. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
2. As already committed by the project proponent “Zero Liquid Discharge” shall be ensured and no waste/treated water shall be discharged outside the premises.
3. LCOD/LTDS effluent shall be treated in ETP with domestic effluent system. The treated effluent shall be entirely reused and recycled in cooling tower make-up.
4. Adhere to 'Zero Liquid Discharge and No industrial effluent from the unit shall be discharged outside the plant premises. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
5. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the Madhya Pradesh Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
6. Total fresh water requirement shall not exceed 274 KLD.
7. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
8. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
9. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

**(D) Noise monitoring and prevention**

1. Acoustic enclosure shall be provided to DG sets (1 x 475.5 kVA) for controlling the noise pollution.
2. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.

3. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

**(E) Energy Conservation measures**

1. The energy sources for lighting purposes shall preferably be LED based.
2. The total power requirements for project will be 450 kVA.
3. The power will be supplied by Madhya Pradesh Electricity Board.

**(F) Waste management**

1. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
2. Hazardous wastes such as spent solvents, organic incinerable wastes/residues, used filter bags, packaging materials, rejected/expired raw materials and off specification/ rejected finished products from the manufacturing plants shall be directly sent to CTSDf, Dhar or coprocessing in cement kiln.
3. The Fly ash generated from boilers shall be stored in silos and disposed of through cement manufacturers by bulkers / closed containers and should comply with Fly Ash Utilization Notification, 1999 and as amended subsequently.
4. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
5. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
6. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.
7. Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.

8. The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
9. Storage areas should be provided with adequate number of spill kits at suitable locations. The spill kits should be provided with compatible sorbent material in adequate quantity.
10. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
11. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
12. All the storage tanks of raw materials/products shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls of suitable height shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.
13. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
14. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF/ Cement kiln.
15. The company shall undertake waste minimization measures as below:
  - a. Metering and control of quantities of active ingredients to minimize waste.
  - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
  - c. Use of automated filling to minimize spillage.
  - d. Use of Close Feed system into batch reactors.
  - e. Venting equipment through vapour recovery system.
  - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.

**(G) Green Belt**

1. Approximately 5000 additional trees will be planted in an area of 19000 m<sup>2</sup>, the green belt shall be developed in first year near the total project area, mainly along the plant periphery, in downward wind direction and along road sides etc.

Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department/concerned DFO.

2. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 1.5 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

**(H) Safety, Public hearing and Human health issues**

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
3. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
4. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
5. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
6. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
7. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

**(I) EMP & CER**

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the competent authority / Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions.
3. The proposed EMP cost is Rs. 125.0 lakhs as capital and 72.0 lakhs/year as recurring cost as proposed, out of which the cost proposed for green belt is Rs. 6.0 lakhs as capital and 3.0 lakhs/year as recurring.
4. Government Opium and Alkaloid Works, Neemuch, M.P., Ministry of Finance, Department of Revenue, being a Central Government Organization, CER is not applicable.
5. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

**X. Miscellaneous**

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
2. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.
3. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
4. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

5. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.

**8. Case No 8589/2021 Smt. Meenakshi Parashar, MIG 9, Vipatpura Housing Board Colony, Dist. Narsinghpur, MP - 487001, MP. Prior Environment Clearance for Common Bio Medical Waste Treatment Facility (CBWTF) at Village - Biner, Tehsil - Kareli, Dist. Narsinghpur, (MP) (Category – 7(da) (CBWTF Project) Env. Con. - In Situ Enviro Care, Bhopal M.P.**

This is case of Prior Environment Clearance for Common Bio Medical Waste Treatment Facility (CBWTF) at Village - Biner, Tehsil - Kareli, Dist. Narsinghpur, (MP). The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

The case was presented by the PP and their consultant in 507<sup>th</sup> meeting dated 10.08.2021, wherein following details were submitted by the PP:

- Proposal is to establish Common Bio- Medical Waste Treatment Facility at Village - Biner, Tehsil - Kareli, Dist. Narsinghpur, (MP) to provide cleaner and healthier environment by adhering to the provisions of Bio-Medical Waste (Management & Handling) Rules 1998 as amended in 2000 and making a contribution in protecting our environment.
- The project is proposed at Village – Biner, Tehsil – Kareli, District – Narsinghpur (Madhya Pradesh) over an area 5390 Sq.mt. (1.32 Acre).
- The project involves development of Common Bio Medical Waste Treatment Facility which is categorized under Item 7 (d) (a) of the Schedule-Gazette Notification dated 17th April 2015.
- 3 types of treatment options shall be provided in Common Biomedical Waste Treatment Facility (CBWTF) as Incineration, Autoclaving & Shredding.

- Sharp pit is also been provisioned for the encapsulation of Sharps such as Needles, Scalpels etc
- Effluent Treatment Unit: for the treatment of Effluent generated during the process of Bio-Medical waste Treatment, Floor Washing and Vehicle Washing etc.

The treated bio-medical waste shall be disposed of as per following:

- Disposal:
  - Incineration ash: Secured landfill
  - Plastic waste after disinfection and shredding: Recycling or municipal landfill
  - Disinfected Sharps: encapsulation
  - Other treated solid wastes: Municipal landfill/TSDF
  - Sewage Sludge, Oil & grease: Incineration
  - Treated waste water: recycling, washing & cleaning of Vehicles and use in green belt.
- **Salient Features of the Project**

Name of the project	Common Bio Medical Waste Treatment Facility (CBWTF)
Promoter	<b>Mrs. Meenakshi Parashar</b>
Location of Industry	Village – Biner, Tehsil – Kareli, District – Narsinghpur, Madhya Pradesh
Total Plot Area	<b>5390 Sq.mt.</b> (1.32 Acre) or <b>5390 Sq.mt.</b>
Open Area	809.23 sq.mt.
Green Area	1138.66 sq. mt.
Capacity	<ul style="list-style-type: none"><li>• 1 No. Incinerator of capacity 200 kg/hr (Dry)</li><li>• 1 No. Autoclave of capacity 100 kg/hr</li><li>• 1 No. Shredder of capacity 100 kg/hr each</li><li>• ETP Capacity – 7.5 KLD (MBBR)</li></ul>
Waste Water Generation	7.1 KLD
ETP	7.5 KLD
Treated Water from the unit	5.68 KLD (Reuse 5 KLD Landscaping & 0.68 Misc. Purpose.)

Power Requirement	Approx. 42 kVA for operation phase Supply source – (MPEB) Back up- DG. Set of 200 KVA as standby.		
Water Requirement	Approximately 5 KLD of water required during construction of the unit from Private water tankers.		
	Water Demand in Operational Phase:		
	S.no.	Particulars	Demand in KLD
	1.	Domestic Water Requirement	1.00
	2.	Process Water Requirement	3.00
	3.	Vehicle Washing	6.00
	4.	Landscaping	5.00
		<b>Total Water Demand</b>	<b>15 KLD</b>
Manpower Requirement	50 persons		
Estimated Project cost	Rs. 0.95 Crores		
Nearest Railway Station	Narsinghpur Railway Station – 14.19 km in NE direction.		
Nearest Highway	NH2B- 9.63 Km (NE)		
Nearest Airport	Jabalpur Airport– 101.68 Km in NE direction away from the site		
Coordinates	22°51'40.26"N, 79° 6'22.64"E		

- **Size and Magnitude of Operation**

During presentation it was observed by the committee that for this industrial activity, ground water will be abstracted to meet is fresh water requirement thus PP should apply for permission of CGWB as per MoEF&CC Notification dated 02/11/2018 and submit copy of application made for ground water drawl to CGWB for further appraisal. It was further observed by the committee that in all the documents submitted by PP (such as appendix-1, Form-1, PFR etc) the proposed land area is 5390 sq. meters while as per the diversion letter attached (letter No. 204 dated 06/02/21), the diversion is made only for 4050 sq. meters which raise doubt about the exact area of the project and need to be clarified before grant of TOR. Thus committee after deliberations recommends that PP should submit relevant documents/justification on above issues for further consideration of case for grant of TOR.



So far, PP has not responded the queries raised in 507<sup>th</sup> meeting dated 10.08.2021 and almost 90 days has lapsed. Thus as per MoEF&CC OM dated 30.10.2012, 30 days time may be given to PP for submitting suitable reply and if PP not submit desired information case may be recommended for delisting.

SEIAA vide letter no. 2886/SEIAA/22 dated 19.01.2022, *forwarded the query reply submitted by PP through e-mail dated 19.01.2022 submitted above query in the SEIAA office, and same was forwarded to SEAC for appraisal.*

In the above context the case was scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

**9. Case No 8810/2021 Shri Nishant Jaiswal S/o Shri Arvind Jaiswal, Bhikangaon, District - Khargone, MP - 451332 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (5044 Cum per annum) (Khasra No. 152/1), Village - Mohad, Tehsil - Jhirniya, Dist. Khargone (MP) Env. Consultant Aseries Envirotek India Pvt. Ltd., Noida (U.P.)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 152/1), Village - Mohad, Tehsil - Jhirniya, Dist. Khargone (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Consultant Shri Amar Singh Yadav on behalf of PP in the 631 SEAC meeting dated 06-12-21. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 2177 dated 17.09.2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Road	75	South-west	Protection plan & three rows of Plantation towards road side.
River	150	East	Provision of Garland drain & settling tanks.
Habitation	500	South	--

After presentation the committee asked to submit following details:

- Commitment of PP that Gram Sabha NOC will be obtained for water supply.
- PP's commitment that Plantation in the barrier zone and evacuation route and in the village shall be carried out within 01 year.
- Propose revised following bifurcation of plantation scheme & species as suggested by committee.

Area	Type of species
<b>In Non-mining Area-</b>	Spacing - 3m X3m with plantation of Neem, Sitaphal, Babool, Safed Kastar, Khamhar, Chirol , Katang Bans and other indigenous available plants etc..
<b>In Barrier zone Area- along the fencing on the trench (45cm x 45cm)</b>	Sowing of seeds of Neem, Prosopis, Subabool, Gurmar Bel, Sitaphal, Babool, Safed Kastar, Prosopis and other indigenous available plants etc..
<b>In School</b>	Karanj , Kachnar, Kadam and other indigenous available plants
<b>Approach Road</b>	Chirol, Jungle Jalebi, Khamar, Karanj and other native species etc.

- Revised EMP with removing of proposal of grazing land.
- Revised CER- Propose revised budget for all activities as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 06.12.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 5,044 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.9.23 Lakh as capital and Rs. 03.47 Lakh/year.
3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme. However, plantation in barrier zone and evacuation route shall be carried out in the first year of mining operations.
4. Under CER following activities were submitted by PP:

Activities	Cost (in Rs.)
• Distribution of 3 nos. of sports kit for students in Govt, school Sadhupura.	10,000
• Provide 2 nos. black boards, 7 nos. Benches & Table in Govt, school Sadhupura.	55,000
• To provide 05 nos. of solar cookers/LPG gas cylinders under "UjjwalaYojna".	15,000
<b>Total</b>	<b>80,000</b>

प्रकरण पर 698वीं एसईआईए बैठक दिनांक 28/12/21 में चर्चानुसार निम्नानुसार निर्णय लिया गया ....

“राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (एसईएसी) की 531वीं बैठक दिनांक 06/12/2021 में उक्त प्रकरण में पर्यावरणीय स्वीकृति दिये जाने हेतु अनुशंसा की गई है ।

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण (एसईआईए) द्वारा प्रकरण से संबंधित परियोजना प्रस्तावक/आरक्यूपी/पर्यावरण सलाहकार द्वारा प्रस्तुत हस्ताक्षरित व अभिप्रमाणित दस्तावेजों के आधार पर एवं एसईएसी की 531वीं बैठक दिनांक 06/12/21 की अनुशंसा को मान्य करते हुए पर्यावरणीय मुद्दों पर विस्तृत चर्चा व परामर्श उपरांत निम्नलिखित निम्नलिखित निर्णय लिया गया है :-

परियोजना प्रस्तावक द्वारा प्रस्तुत कार्यालय कलेक्टर (खनिज शाखा) खरगौन के एकल प्रमाण पत्र क्रमांक 2177 दिनांक 17/09/2021 के अनुसार प्रस्तावित खदान के 500

मीटर की परिधि में मानव बसाहट, सड़क, राष्ट्रीय महत्व के स्मारक, चिकित्सालय इत्यादि नहीं होना बताया गया है एवं 150 मीटर पर नदी होना बताया गया है यद्यपि अनुमोदित खनन योजना में उल्लेखित अक्षांश-देशांश के आधार पर गूगल इमेज अनुसार खनन क्षेत्र से 100 मीटर की दूरी पर एक पक्की सड़क होना परिलक्षित है । चूँकि माननीय एन.जी.टी. के ओए नं. 304/19 में पारित आदेश एवं सीपीसीबी के दिशा-निर्देश दिनांक 09/07/20 के परिपालन में मानव बसाहट/संवेदनशनशील क्षेत्र/राष्ट्रीय व राज्य राजमार्ग/पब्लिक रोड़/पूल/बॉध/नहर/नदी इत्यादि में प्रस्तावित खनन क्षेत्र से नॉन ब्लास्टिंग खनन योजना के लिए 100 मीटर और ब्लास्टिंग खनन योजना के 200 मीटर की प्रतिबंधित दूरी निर्धारित है ।

अतः प्रकरण में उपरोक्तानुसार आदेश एवं निर्देशों के परिपालन में पब्लिक रोड़ एवं नदी से प्रतिबंधित दूरी के दृष्टिगत यह निर्णय लिया गया है कि खनन योग्य क्षेत्र की न्यूनतम उपलब्धता के दृष्टिगत पुनः परीक्षण हेतु प्रकरण एसईएसी को प्रेषित किया जाये एवं परियोजना प्रस्तावक को सूचित किया जाये ।”

उपरोक्त निर्णयानुसार प्रकरण पुनः परीक्षण हेतु समिति के समक्ष प्रस्तुत है ।

The committee after detailed discussion on SEIAA vide letter no. 2590/SEIAA/2021, dated 15.12.2021 deliberated that these distance criteria shall be implemented for only those stone quarry and proposals which were received in SEAC after 1<sup>st</sup> January 2022 and distance criteria should not be implemented from the retrospective effect. Hence committee stand by earlier recommendation made in the 531<sup>st</sup> SEAC meeting dated 06/12/2021.

**10. Case No 7817/2020 M/s Viscus Oils Pvt. Ltd, 55/1/2-C, New Palasia, Dist. Indore, MP – 452001 Prior Environment Clearance for Expansion in Manufacturing of Resin & other Edible/non-edible based products at Village - Raokhedi, Post - Mangaliya, A.B. Road, Tehsil - Sanwer, Dist. Indore (MP). Project Catogory- 5(f) Env. Con. M/s. SAN Envirotech Pvt. Ltd.,**

This is case of Prior Environment Clearance for Expansion in Manufacturing of Resin & other Edible/non-edible based products at Khasra no., Village - Raokhedi, Post - Mangaliya, A.B. Road, Tehsil - Sanwer, Dist. Indore (MP).

Earlier this case was scheduled for presentation and discussion in 463<sup>nd</sup> SEAC dated 1/10/2020 wherein ToR was recommended. PP has submitted the EIA report vide letter

dated 26/7/21 which was forwarded through SEIAA vide letter no. 1688 dated 17/08/21 and the same was scheduled in the agenda.

The case was again scheduled for the presentation in 511<sup>th</sup> SEAC meeting dated 26/08/21 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The EIA was presented by the Consultant Mr. Mahendra Sadaria, from M/s. SAN Envirotech Pvt. Ltd., and Mr. Raj Kumar Patel, Director and Mr. Pankaj Chatterjee, Vice President from M/s. Viscus Oils Pvt. Ltd (PP) in the 513<sup>rd</sup> SEAC meeting dated 08-09-21. During presentation PP submitted that this is a case of Expansion in Manufacturing of Resin & other Edible/non-edible based products. PP further submitted following details of the project:

- M/s. Viscus Oil Pvt. Ltd. is working Unit is engaged in manufacturing of Alkali Refined, Rosin Gum, Soya Lectin, Stand Oil, (Stand + Vispol + DCO + DBLO) and Synthetic Resin (Alkyd + Phenolic + Polyester) with production capacity of 2083 MT/Annum established prior EIA Notification, 2006.
- Unit has valid CTO under the different Environmental Act issued by MPPCB.
- Now, unit proposed to drop 2 products i.e. Rosin Gum, Soya Lectin and proposed to increase quantity of remaining existing products along with addition of one new product - Vegetable Oil Ester. After expansion, total capacity will be increased up to 17400 MT/Annum. Terms of Reference was issued by SEAC, MP on 06.10.2020.
- We have carried out EIA study as per the generic structure of EIA notification, 2006 incorporating TOR points issued by SEAC, Madhya Pradesh.
- Public Hearing was conducted by MPPCB at the site of project on 26.06.2021. Observations in Public Hearing Minutes and Action Plan with Budgetary Provision is given in slide no. 29.
- Unit has submitted final EIA report along with MoM of Public Hearing to SEIAA/SEAC, MP.
- The details of solid and hazardous waste generation along with its mode of treatment/disposal are furnished as below:

S. No.	Type of Waste	Source	Quantity Generated (TPA)	Mode of Treatment/Disposal
1	ETP sludge	ETP	4.0	Collection, Storage,

			MT/Yr.	Transportation, Disposal at TSDF
2	Discarded containers Liner/ Bags	Raw material	6000 Nos./Yr. 4.8 MT/Yr.	Collection, Storage, Transportation, Disposal by selling to Authorized Recycler.
3	Used Oil	Plant machineries	0.500 KL/Yr.	Collection, Storage and reuse as lubricant

- The details of the raw material requirement for the proposed project/ expansion cum proposed project along with its source and mode of transportation is given as below:

S. No.	Raw material	Quantity required per annum			Source	Distance from site (Kms)	Mode of Transportation
		Existin g	Expansion	Total			
1.	Alkyl Phenol like PTBP, PTOP, Bisphenol, Nonyl Phenol/other Phenol	36.36	1164.84	1201.2	Indigenous	50	Road
2.	Castor Oil	705.36	3683.64	4389.0	Indigenous	50	Road
3.	Catalyst Potassium Bisulphate	6.72	35.28	42	Indigenous	50	Road
4.	Catalysts	0.12	2.88	3	Indigenous	50	Road
5.	Caustic	5.4	28.2	33.6	Indigenous	50	Road
6.	Earth + Carbon	16.92	88.08	105	Indigenous	50	Road
7.	Gum Rosin	324	10368	10692	Indigenous	50	Road
8.	Linseed Oil	675.6	41324.4	42000	Indigenous	50	Road
9.	Maleic Anhydride/ Fumeric Acid	25.44	812.76	838.2	Indigenous	50	Road
10.	Organic Acids/ Anhydrides	120	3840	3960	Indigenous	50	Road
11.	Paraformaldehyde	15.0	480	495	Indigenous	50	Road
12.	Pentaerythritol/Gl ycerin	48.36	1548.84	1597.2	Indigenous	50	Road
13.	Polyols/Glycols/ Amines	69	2208	2277	Indigenous	50	Road

14.	Raw Oil	696.6	3637.8	4334.4	Indigenous	50	Road
15.	Solvent	00	192	192	Indigenous	50	Road
16.	Solvents (Xylene, MTO, C-IX, C-X, BA, Ethanol, Ethyl, Acetate, Catalyst	83.04	2655.09	2739	Indigenous	50	Road
17.	Solvents (Xylene, Toluene, MTO, Slop Oil, Industrial Solvents, Thinner, C-IX, C-X, BA, BuOH, Aromax etc.)	78	2496	2574	Indigenous	50	Road
18.	Spent Catalyst	2.76	14.04	16.8	Indigenous	50	Road
19.	Vegetable Oil	715.56	6256.44	6972	Indigenous	50	Road
20.	Vegetable Oils/Fatty Acid	81.96	2624.04	2706	Indigenous	50	Road
21.	Wash oil with water	00	00	120	Indigenous	50	Road

- The water requirement for the project is estimated as 25.0 m<sup>3</sup> /day, out of which 20.0 m<sup>3</sup>/day of fresh water requirement will be obtained from the Tankers from outside and the remaining requirement of 5.0 m<sup>3</sup>/day will be met from RO permeate.
- The power requirement for the project is estimated as 250 kVA, out of which 250 kVA will be obtained from the M.P. Paschim KshetraVidhyutVitaran Company Limited, Indore.
- Baseline Environmental Studies (In case of clause 7(ii) projects from post project monitoring data) - Not Applicable in our case.
- The capital cost of the project is Rs. 8.58 Crores and the capital cost for environmental protection measures is proposed as Rs. 0.33Crores. The annual recurring cost towards the environmental protection measures is proposed as Rs. 0.12 Crores. The employment generation from the proposed expansion is 70. The details of cost for environmental protection measures is as follows:

S. No.	Description of Item	Existing (Rs. In Lakhs)	
		Capital Cost	Recurring Cost
i.	Air Pollution Control/Noise	12.5	2.0
ii.	Water Pollution Control	7.5	2.5
iii.	Environmental Monitoring and Management	0.5	2.5
iv.	Green Belt Development	4.5	1.0
v.	Miscellaneous	8.0	4.0

- Greenbelt will be developed in 0.3445 ha which is about 33% of the total project area. A 3.0m wide greenbelt, consisting of at least 3 tiers around plant boundary will be developed as greenbelt and green cover as per CPCB/MoEF&CC, New Delhi guidelines. Local and native species will be planted with a density of 2500 trees per hectare. Total no. of 475 saplings will be planted and nurtured in 0.1895 hectares in 1years.

During appraisal it was observed by the committee that complete details are not uploaded by PP through online Form-II and even the all additional TOR points are also not addressed in EIA submitted by PP. Since SEAC is appraising cases on the basis of documents and details uploaded online, thus all the mandatory information shall be precisely uploaded online for appraisal of case and to avoid unnecessary delay. After presentation committee asked PP to submit response on following issues and revised/updated information in From-II, such as:

1. In the From-II, in point no. such as 8.1, 9.1, 10- e, 13.b, 14.2, 15.0 16.1, 17.3, 18.2, 19.0, 22.0, 32, etc wherein details are wrongly mentioned as follows and needs revision/ factual information:
  - a. Public Hearing: Incomplete documents.
  - b. Point 8.1, List mismatches with the Table 2.3 of EIA.
  - c. Points 9.1 (i) & (ii) are wrong should not be NA (CTO dated 10.06.21 is attached)
  - d. Point 10 Fund allocated for the Environmental Management is only 1%
  - e. Point 13, (b) is wrong information, (a) & (c) does not match with 13.1
  - f. Point 14.2 TSS Max Permissible Limit Zero?
  - g. Point 15 Water Requirement 25 KLD, Outside Tanker?? How ?
  - h. Point 15 attachment, copy of permission letter is irrelevant document.
  - i. Point 17 (3) used oil disposal is not proper.
  - j. Point 18.2, Thermic Fluid Heater Stack Height is not proper should be 30 m.



- k. Point 19, copy of agreement letter is irrelevant document.
  - l. Point 21. All values if given in unit Hectare are wrong.
  - m. Point 22. Land fill?? Difference between built up area & main plant?
  - n. Point 32. Copy of Green Belt Plan, Does not exhibit present plantation in the unit.
2. MSDS for only 6 chemicals: Phenol, Para-formaldehyde, Sodium Hydroxide, Xylene, Maleic Anhydride and Pthalic Anhydride is provided though there are many other chemicals (LiOH, KOH, KHSO<sub>4</sub>, Toluene, Ethanol etc. etc. are used, thus MSDS of all chemicals shall be submitted.
  3. Worst case scenario as per specific TOR not submitted, please provide.
  4. Details of solvents and their recovery plan not provided in EIA report.
  5. How noise pollution will be reduced to substantial level as stated in EIA, please provide details.
  6. Details of process emissions and proposed control measures.
  7. Justify 33% green belt area w.r.t. canopy crown / basal area cover and which are the species planted (ever green or deciduous) shall be furnished with details of species and their number. Comprehensive green belt plan shall be submitted.
  8. Proposed water supply is from tanker. How long this arrangement will be continued and is there any alternate proposal?
  9. Commitment that thermic fluid heater stack height will be minimum 30 meters.
  10. Commitment that used oil will be disposed through sale to authorized recyclers.
  11. Details plan for commitment made during public hearing shall be submitted with commensurate budgetary allocations.

PP vide their letter dated 06/12/2021 uploaded online query reply and hard copy as well as on "Parivesh Portal". The point wise query reply was presented by PP & their Env. Consultant. PP submitted that water supply proposed through tankers and PP stated that in future it will be through Borewell after obtaining permission from CGWB. Stack height will be increase to 30 m . Used oil will be disposed off through sale to authorized vendors. Committee observed that PP has not /addressed/ submitted complete query reply raised in the 525<sup>th</sup> SEAC meeting dated 10.11.2021. Hence, after presentation committee asked PP to submit Following information for further consideration of the project:

1. Only selected MSDS were submitted by the PP. PP was asked to submit MSDS of all chemicals (raw materials, intermediates and products).

2. Comprehensive details of Worst case scenario as per specific TOR not addressed properly.

PP vide their letter dated 06/12/2021 uploaded online query reply and hard copy as well as on “Parivesh Portal”. The point wise query reply was presented by PP & their Env. Consultant during which consultant submitted that due to shortage of space all the MSDS were not uploaded however same are submitted through hard copy. On query, PP submitted that being this industry was established prior to the enactment of EIA Notification, 2006, no EC was obtained and thus compliance of previous EC conditions is also not applicable to them and they are seeking expansion EC for synthetic resin from 200 MTPA to 6600 MTPA (for additional 6400 MTPA). Committee observed that PP has submitted relevant information hence the case is recommended for grant of Prior Environment Clearance for Expansion in manufacturing of synthetic resin (6600 MTPA) & other Edible/non-edible based products mentioned below at Village - Raokhedi, Post - Mangaliya, A.B. Road, Tehsil - Sanwer, Dist. Indore (MP). Project Category- Cat. - 5(f), subject to the following special conditions:

S N	Product	Quantity (MTPA)			Unit	Status
		Existing	Proposed	Total		
1.	Alkali Refined	675	3525	4200	MTPA	Non EC Product
2.	Rosin Gum	333	-333	00	MTPA	Non EC Product
3.	Soya Lectin	200	-200	00	MTPA	Non EC Product
4.	Stand Oil (Stand + Vispol + DCO+ DBLO)	675	3525	4200	MTPA	Non EC Product
5.	Synthetic Resin (Alkyd + Phenolic + Maleic + Polyester)	200	6400	6600	MTPA	EC Product
6.	Vegetable Oil Ester	0.0	2400	2400	MTPA	Non EC Product

**(A) Statutory compliance:**

4. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Madhya Pradesh Pollution Control Board (MPPCB).
5. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

6. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

**(B) Air quality monitoring and preservation**

6. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to MPPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
7. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
8. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions from the boiler, DG set and scrubber shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines as follows:

Sr. No.	Stack attached to	Fuel Type	Stack Height (m)	APC measures
1.	Boiler (1.0 TPH)	Coal/ Agro Briquette (5 TPD)	Minimum 30 meters.	Multi Cyclone Separator and Bag Filter
2.	Thermic Fluid Heater (6 Lakhs kcal/hr.)	Coal/ Agro Briquette (4 TPD)	Minimum 30 meters.	Adequate Stack height
3.	D G Set (250 KVA) (Stand by)	HSD: 60.0 lit/hr.	Adequate Stack height as per CPCB norms.	Acoustic Enclosure
4.	Thermic Fluid Heater (10 Lakhs kcal/hr.)	Coal/ Agro Briquette (5 TPD)	Minimum 30 meters.	Multi Cyclone Separator and Bag Filter

9. Storage of raw materials, chemicals etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

10. The DG sets (1 x 250 kVA) shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
11. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
12. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

**(C) Water quality monitoring and preservation**

10. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
11. “Zero Liquid Discharge” shall be ensured using ETP (10.0 KLD), 0.5 KL/hr. & Kettle type evaporator-2.0 KL/day and no waste/treated water shall be discharged outside the premises. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB’s server for remote operations.
12. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the Madhya Pradesh Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
13. Total fresh water requirement shall not exceed 20.0 KLD and as proposed, in case, if in-house bore or tube well is required, than CGWA permission shall be obtained before extracting ground water.
14. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
15. The Company shall harvest rainwater, after taking permission from State Pollution Control Board, from the roof tops of the admin buildings. Process building, raw material and finished goods storage building shall not be used for ground water recharging.
16. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

**(D) Noise monitoring and prevention**

4. Acoustic enclosure shall be provided to DG sets (1x 250 kVA) for controlling the noise pollution.
5. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
6. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

**(E) Energy Conservation measures**

4. The energy sources for lighting purposes shall preferably be LED based.
5. The total power requirements for project will be 250 kVA.
6. The power will be supplied by Madhya Pradesh Electricity Board.

**(F) Waste management**

16. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
17. Hazardous waste such as Used oil, Discarded containers/drums, shall be handled & disposed as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016 as follows:

Sr. No.	Type of Waste	Source	Category as per HWM rules, 2016	Total Quantity			Method of Disposal
				Existing	Proposed	Total	
1.	ETP sludge	ETP	35.3	1.0 MT/yr.	3.0 MT/Yr.	4.0 MT/Yr.	Collection, Storage, Transportation, Disposal at CTSDf
2.	Discarded containers Liner/ Bags	Raw material	33.1	1500 Nos./Yr. 1.2 MT/Yr.	4500 Nos./Yr. 3.6 MT/Yr.	6000 Nos./Yr. 4.8 MT/Yr.	Collection, Storage, Transportation, Disposal by selling to Authorized Recycler.
3.	Used Oil	Plant machine ries	5.1	0.040 KL/Yr.	0.460 KL/Yr.	0.500 KL/Yr.	Collection, Storage, Transportation, Disposal by selling to Authorized Recycler.

18. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
19. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
20. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.
21. Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.
22. The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
23. Storage areas should be provided with adequate number of spill kits at suitable locations. The spill kits should be provided with compatible sorbent material in adequate quantity.
24. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
25. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
26. All the storage tanks of raw materials/products shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls of suitable height shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.
27. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
28. ETP sludge, process inorganic salt shall be disposed off to the TSDF.

**(G) Green Belt**

3. Unit proposes to do extensive plantation in 3445 m<sup>2</sup> area. Overall greenbelt area will be 33% of the total area of the project.
4. The green belt of 5-10 m width shall be developed near the total project area, mainly along the plant periphery, in downward wind direction and along road

sides etc. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department.

5. 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 EIA 3750 m<sup>2</sup> area which will be 33% of total land area of project. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

**(H) Safety, Public hearing and Human health issues**

8. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
9. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
10. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
11. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
12. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
13. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
14. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

**(I) EMP & Corporate Environment Responsibility**

6. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for

- standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
7. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
  8. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
  9. The proposed EMP cost is Rs. 33.00 lakhs and 12.00 lakhs/year as recurring cost.
  10. Under CER activity, capital cost is Rs. 02.00 lakhs proposed for different activities as follows:

SN	Activities	Years (Rs. In Lakhs)	Total Budget (Rs. In Lakhs)
		1 <sup>st</sup> Year	
1.	Educational Activities (Award to Scholar students of School of Raokhedi Village.	0.5	0.5
2.	One health camp during monsoon season	1.0	1.0
3.	Trees Plantation along the road side of village	0.5	0.5
	Total	2.0	2.0

11. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
12. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.



**X. Miscellaneous**

6. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC.
7. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.
8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
9. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
10. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.

SEIAA in their 699<sup>th</sup> meeting on dated 29/12/2021 minutised that.....

After the recommendation the case was considered in SEIAA meeting (699th meeting scheduled on 29/12/2021) and after discussion, it was observed by the authority the project site is located near the habilitation and between the aproch road of the city. The industry is going to increase the capacity of the production from 200 MTPA to 6600 MTPA which is high (33 times) expansion hence it is decided to send the case to SEAC for re-appraisal regarding suitability of the location and impact of environment near the project area after expansion of this type of industry.

Hence, in the above context this case was scheduled for query reply presentation . The query reply presented by Env. Consultant Mr. Mahendra Sadaria, from M/s. SAN Envirotech Pvt. Ltd. through V.C. wrt to above query made by SEIAA.

PP has submitted following points:

- This unit is operated this location since last long with CTO of MPPCB.
- There is no any noticeable complain again the unit for Environment point of view.
- Single stage reaction is being carried out closed reactor followed by condenser.

**Water Pollution**

- No wastewater or process gas emission issued. Only use of water in process, Inter reaction generate condensate water which is as good as distilled water. “Zero Liquid Discharge” shall be maintained.

**Air Pollution:**

- No process emission, and reaction is taking in closed reaction hence no quotation arise for fugitive emission. Bio Agro Briquette use as fuel hence no issue for SO<sub>2</sub> emission and Cyclone & Bag filter used to control the PM (Particulate matter).

**H/W Generation:**

- No disposable waste generation except ETP sludge around 4.0 Mt/Yr.

**Uses of Finished products:**

- The chemicals produce in this unit is majorly used by Government Printing press and Construction industries.

**Habitation:**

Human habitation	RaoKhedi, about 0.7 km
Bypass Road	Keep the safe distance from both the bypass Road by developing greenbelt and parking area.
City	Indore, about 15.0 km
Railway Station	Indore Railway Station – 14.5 km
Air Port	Indore Airport, about 17.0 km
Water body	Sula Khedi about 2.95 km
Sanctuary/National Park	None within 10 km radius
Note: Aerial distances are mentioned in above table	

**Activities nearby plant:**

- Adjacent is industrial activities by **Atul Polychem** and produce same type of products “**Synthetic Resin**” with production capacity 11000 MTPA. SEIAA, MP has accorded EC on 27/10/2020 and followed by CTE by MPPCB. This unit is also working smoothly without any pollution related issued/ complain.
- **Planning to Achieve Manufacturing Tonnage:**

PLANT	CAPACITY (MTS)	PRODUCTS	PRODUCTION CAPACITY (MTS)			
			DAILY			ANNUAL
[Refinery]			OLD	Additional	New	
VN1 (Existing)	12	Alkali Refined Oils	5		14	4200
VB1 (Existing)	8	Alkali Refined Oils				
VB2(Existing)	8	Alkali Refined Oils				
VN2 (Additional)	12	Alkali Refined Oils		9		
VB3 (Additional)	16	Alkali Refined Oils				
[Processed Oil]						
VP1(Existing)	3	Stand Oil	8		14	4200
VP3(Existing)	5	Vispol				
VP2(Additional but Refurbished)	6	DCO	0	6		
		DBLO				
[Synthetic Resin]						
VR1(Existing)-synth. Resin	3	Alkyd	3		22	6600
VR2(Existing)-soya lecithin	4		3			
VR9(Existing)-Rosin	12	Phenolic	11			
VR3(Additional)	1	Polyster		1		
VR4 (Additional)	5	Phenolic		4		
[Ester]						
VR 10 (Additional)	10	Ester	0	8	8	2400

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- Considering above all aspect and unit is working since last long, we humble request to recommend our case to SEIAA, for grant of EC and oblige.

The committee after discussion deliberated that query reply presented by PP wrt issues raised in the SEIAA 699<sup>th</sup> meeting dated 29/12/2021 and query submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation Hence committee stand by earlier recommendation made in the 534th SEAC meeting dated 15/12/2021.

**11. Case No 8811/2021 Shri Digvijay Singh, S/O Shri Raguveer Singh, 166, Pratap Nagar, Ratlam, District- Ratlam, MP - 457001, Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (18,240 Cum per annum) (Khasra No. 117/1), Village - Lunera, Tehsil - Ratlam, Dist. Ratlam (MP) Env. Consultant Aseries Envirotek India Pvt. Ltd., Noida (U.P.)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 117/1), Village - Lunera, Tehsil - Ratlam, Dist. Ratlam (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Consultant Shri Amar Singh Yadav on behalf of PP in the SEAC 531 meeting dated 06-12-21. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 4867 dated 28.09.2021 has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area 5.0 ha., including this mine. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Road	75	South-west	Protection plan & three rows of Plantation towards road side.
River	150	East	Provision of Garland drain & settling tanks.
Natural	30	North	Proposal of setback of 25 m with Provision of

drain			Garland drain & settling tanks.
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After presentation the committee asked to submit following details:

1. Gram Sabha NOC for water supply is not enclosed.
2. Proposal of setback of 25 m w.r.t. Natural drain existed in the SW direction as non mining area.
3. PP's commitment that plantation, barrier zone and evacuation route and in the village shall be carried out within 01 year.
4. Revised following bifurcation of plantation scheme & species as suggested by committee.

Area	Type of species
<b>In Non-mining Area-</b>	Spacing - 3m X3m with plantation in the 03 rows pit size 60cm <sup>3</sup> of Neem, Sitaphal, Babool, Safed Kastar, Kachnar, Chirol , Sishoo, Amla, Karanj, Jungle Jalebi , Khamar and native species etc..
<b>In Barrier zone Area- along the fencing on the trench (45cm x 45cm)</b>	Sowing of seeds of Neem, Prosopis, Subabool, Gurmar Bel Sitaphal, Babool, Safed Kastar, Kachnar, Chirol and other indigenous available plants etc..
<b>Approach Road</b>	Chirol, Jungle Jalebi, Katang Bans , Khamhar, Karanj and other native species etc.

5. Revised EMP shall be based revised plantation scheme & species also include plantation in the nearby pond periphery.
6. Revised CER incorporate proposal of furniture, solar light & computer & printer.

PP has submitted the response of above quarries same date vide letter dated 06.012.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 18,240 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 10.25 Lakh as capital and Rs. 3.42 Lakh/year.

3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme. However, plantation in barrier zone and evacuation route shall be carried out in the first year of mining operations.
4. Under CER following activities were submitted by PP:

Activities	Cost (in Rs.)
• Distribution of 5 nos. furniture for students in Primary School Lunera (10,000/-)	10,000 /-
• Installation of 02 computer and printer with accessories in Primary School (Village Lunera).	40,000/-
• Distribution of 02nos. of solar lights for students in Primary School Lunera	30,000/-
<b>Total</b>	<b>80,000/-</b>

प्रकरण पर 698वीं एसईआईए बैठक दिनांक 28 / 12 / 21 में चर्चानुसार निम्नानुसार निर्णय लिया गया ....

“राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (एसईएसी) की 531वीं बैठक दिनांक 06 / 12 / 2021 में उक्त प्रकरण में विशिष्ट एवं मानक शर्तों (परिशिष्ट-ए) सहित पर्यावरणीय स्वीकृति दिये जाने हेतु अनुशंसा की गई है ।

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण (एसईआईए) द्वारा प्रकरण से संबंधित परियोजना प्रस्तावक / आरक्यूपी / पर्यावरण सलाहकार द्वारा प्रस्तुत हस्ताक्षरित व अभिप्रमाणित दस्तावेजों के आधार पर एवं एसईएसी की 531वीं बैठक दिनांक 06 / 12 / 21 की अनुशंसा को मान्य करते हुए पर्यावरणीय मुद्दों पर विस्तृत चर्चा व परामर्श उपरांत निम्नलिखित निर्णय लिया गया है :-

परियोजना प्रस्तावक द्वारा प्रस्तुत कार्यालय कलेक्टर (खनिज शाखा) रतलाम के एकल प्रमाण पत्र क्रमांक 4667 दिनांक 28 / 09 / 2021 के अनुसार प्रस्तावित खदान के 500 मीटर की परिधि में मानव बसाहट, सड़क, नदी, नहर, तालाब, राष्ट्रीय महत्व के स्मारक, चिकित्सालय इत्यादि नहीं होना बताया गया है । यद्यपि अनुमोदित खनन योजना में उल्लेखित अक्षांश-देशांश के आधार पर गूगल इमेज अनुसार खनन क्षेत्र से 75 मीटर की दूरी पर एक

पक्की सड़क, 150 मीटर पर नदी एवं 30 मीटर पर प्राकृति जल निकासी होना परिलक्षित है । चूँकि माननीय एन.जी.टी. के ओए नं. 304/19 में पारित आदेश एवं सीपीसीबी के दिशा-निर्देश दिनांक 09/07/20 के परिपालन में मानव बसाहट/संवेदनशनसील क्षेत्र/राष्ट्रीय व राज्य राजमार्ग/पब्लिक रोड़/पूल/बॉध/नहर/नदी इत्यादि में प्रस्तावित खनन् क्षेत्र से नॉन ब्लारिस्टिंग खनन् योजना के लिए 100 मीटर और ब्लारिस्टिंग खनन् योजना के 200 मीटर की प्रतिबंधित दूरी निर्धारित है ।

अतः प्रकरण में उपरोक्तानुसार आदेश एवं निर्देशों के परिपालन में पब्लिक रोड़ एवं नदी से प्रतिबंधित दूरी के दृष्टिगत यह निर्णय लिया गया है कि खनन् योग्य क्षेत्र की न्यूनतम् उपलब्धता के दृष्टिगत पुनः परीक्षण हेतु प्रकरण एसईएसी को प्रेषित किया जाये एवं परियोजना प्रस्तावक को सूचित किया जाये ।”

उपरोक्त निर्णयानुसार प्रकरण पुनः परीक्षण हेतु समिति के समक्ष प्रस्तुत है ।

In context to above, It was observed that in the Google Image of Octo. 2018 wherein no pucca road has observed this was mentioned due typographical error in the SEAC 531<sup>st</sup> dated 06.12.2021. The committee after detailed discussion on SEIAA vide letter no. 2590/SEIAA/2021, dated 15.12.2021 deliberated that these distance criteria shall be implemented for only those stone quarry and proposals which were received in SEAC after 1<sup>st</sup> January 2022 and distance criteria should not be implemented from the retrospective effect. Hence committee stand by earlier recommendation made in the 531th SEAC meeting dated 06/12/2021.

**12. Case No 8764/2021 Shri Sachin Dungarwal S/o Shri Shreepal Jain, 519, Ringnod, Tehsil - Jaora, Dist. Ratlam, MP - 457376 Prior Environment Clearance for Murrum Quarry in an area of 2.0 ha. (25000 cum per annum) (Khasra No. 1155), Village - Jhalava, Tehsil - Jaora, Dist. Ratlam (MP) RQP Ms. Nikita Prajapati and Mr. Sishupal Verma**

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1155), Village - Jhalava, Tehsil - Jaora, Dist. Ratlam (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Ms. Nikita Prajapati and Mr. Sishupal Verma on behalf of PP. During presentation, PP showed various documents such as lease sanction order,

Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 4515 dated 04.08.2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. PP submitted that since it is a Murrum Quarry where no drilling & blasting is proposed. Mining shall be done through Opencast Semi Mechanized Method.

As per Google image based on coordinates provided by PP, it was observed by committee that a wind mill located at a distance of 180 m western side. Committee observed that SEIAA in their 263th meeting dated 28.11.2015 has decided to leave minimum 300 m distance from the periphery of Wind Turbine Generator Foundation with reference to letter no. 1097 dated 20.11.2015 issued by Commissioner, New & Renewable Energy. Committee observed that if 300 meters area is left as non mining area, no area will be available to carryout mining on this allotted lease. Thus considering above facts committee after deliberation recommends that this case cannot be considered for grant of EC and case file may be sent to SEIAA for onward necessary action.

प्रकरण पर 697वीं एसईआईए बैठक दिनांक 27/12/21 में चर्चानुसार निम्नानुसार निर्णय लिया गया ....

“राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (एसईएसी) की 528वीं बैठक दिनांक 23/11/2021 में उक्त प्रकरण में पर्यावरणीय स्वीकृति नहीं दिये जाने हेतु अनुशंसा की गई है ।

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण (एसईआईए) द्वारा प्रकरण से संबंधित परियोजना प्रस्तावक/आरक्यूपी/पर्यावरण सलाहकार द्वारा प्रस्तुत हस्ताक्षरित व अभिप्रमाणित दस्तावेजों के आधार पर एवं एसईएसी की 528वीं बैठक दिनांक 23/11/21 की अनुशंसा को मान्य करते हुए पर्यावरणीय मुद्दों पर विस्तृत चर्चा व परामर्श उपरांत निम्नलिखित निर्णय लिया गया है :—



एसईएसी द्वारा उक्त प्रकरण में 180 मीटर पर बिंड मिल परिलक्षित है जिसमें मापदण्ड अनुसार निर्धारित दूरी 300 मीटर छोड़ने के पश्चात् खनन् योग्य क्षेत्र उपलब्ध न होने के कारण प्रकरण को निरस्त करने की अनुशंसा की गई है । परियोजना प्रस्तावक द्वारा उक्त प्रकरण में दिनांक 15/12/21 को ई-मेल के माध्यम से कार्यालय जिला अक्षय ऊर्जा अधिकारी, मंदसौर के अनापत्ति पत्र क्रमांक 232 दिनांक 15/12/2021 द्वारा प्रस्तुत किया गया है, अतः उक्त प्रकरण को पुनः परीक्षण हेतु एसईएसी को प्रेषित किया जाये एवं परियोजना प्रस्तावक को सूचित किया जाये ।”

उपरोक्त निर्णयानुसार प्रकरण पुनः परीक्षण हेतु समिति के समक्ष प्रस्तुत है ।

Hence, in the light of above the case was scheduled for presentation after deliberation committee observed that SEIAA in their 263th meeting dated 28.11.2015 has decided to leave minimum 300 m distance from the periphery of Wind Turbine Generator Foundation with reference to letter no. 1097 dated 20.11.2015 issued by Commissioner, New & Renewable Energy. Whereas PP has submitted letter of District Jila akshay Adhikari of MP Urja Vikas Nigam Office, Mandsaur letter vide no. 232 dated 15.12.2021 wherein mentioned that regarding in the proposed Murrum mining on government land where blasting is not proposed and no damage shall be ensures on Wind Turbine Generator Foundation and its transmission line in such condition the concerned office has no objection.

The committee after deliberation recommended that in this above context SEIAA may take clarification from the Competent Authorirt who has given earlier recommendation i.e. Commissioner, New & Renewable Energy, Bhopal.

**13.Case No 8807/2021 Smt. Rekha Merawat W/o Shri Jagdish Merawat, Village-Khacchartodi, Tehsil- Meghnagar, District- Jhabua, MP - 457779, Prior Environment Clearance for Stone Quarry in an area of 1.150 ha. (14292 Cum per annum) (Khasra No. 459), Village - Gadwade, Tehsil - Meghnagar, Dist. Jhabua (MP) . Env. Consultant Aseries Envirotek India Pvt. Ltd., Noida (U.P.)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 459), Village - Gadwade, Tehsil - Meghnagar,

Dist. Jhabua (MP) 1.150 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Consultant Shri Amar Singh Yadav on behalf of PP in the 531<sup>st</sup> SEAC meeting dated 06-12-21. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 507 dated 30.03.2021 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area 4.80 ha. including this mine. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	25	East & South-East	Propose setback of 25 m with Protection plan & three rows of Plantation towards road side.
Some trees	Within lease	NW	Tree management plan

After presentation the committee asked to submit following details:

- Revised surface map showing 25 m setback from the pucca road in the lease area
- PP's commitment that no tree felling is proposed.
- PP's commitment that Plantation within non- mining area, barrier zone and evacuation route and in the village shall be carried out within 01 year.
- Propose revised following bifurcation of plantation scheme & species as suggested by committee.

Area	Type of species
In Non-mining Area-	Spacing - 3m X3m with plantation in 03 rows with 60cmx 60cmx60cm pit size of Neem, Sitaphal, Babool, Safed Kastar, Kachnar, Chirol , Katang Bans, Khamar and other indigenous available plants etc..

<b>In Barrier zone Area- along the fencing on the trench (45cm x 45cm)</b>	Sowing of seeds of Neem, Prosopis, Subabool, Gurmar Bel, Sitaphal, Babool, Safed Kastar, Kachnar, Chirol and other indigenous available plants etc..
<b>In School</b>	Karanj , Kachnar, Kadam and other indigenous available plants.
<b>Approach Road</b>	Chirol, Jungle Jalebi, Karanj, Khamher, and other native species etc.

- Revised EMP with removing of proposal of grazing land as no grazing land is available.
- Revised CER- Propose proposal computer & printer distribution in the local school as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 06.12.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 14,292cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.8.60 Lakh as capital and Rs. 02.77 Lakh/year.
3. As proposed, a minimum of 1380 trees shall be planted as per the submitted plantation scheme. However, plantation in non mining zone, barrier zone and evacuation route shall be carried out in the first year of mining operations.
4. Under CER following activities were submitted by PP:

Activities	Cost (in Rs.)
<ul style="list-style-type: none"> <li>• To Renewed the Primary School Building (Village Gadwada), get the School Painted and Develop playground.</li> </ul>	50,000
<ul style="list-style-type: none"> <li>• Installation of one computer and one printer with accessories in Primary School (Village Gadwada)</li> </ul>	30,000
<b>Total</b>	<b>80,000</b>

प्रकरण पर 698वीं एसईआईए बैठक दिनांक 28/12/21 में चर्चानुसार निम्नानुसार निर्णय लिया गया ....

“राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (एसईएसी) की 531वीं बैठक दिनांक 06/12/2021 में उक्त प्रकरण में पर्यावरणीय स्वीकृति दिये जाने हेतु अनुशंसा की गई है ।

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण (एसईआईए) द्वारा प्रकरण से संबंधित परियोजना प्रस्तावक/आरक्यूपी/पर्यावरण सलाहकार द्वारा प्रस्तुत हस्ताक्षरित व अभिप्रमाणित दस्तावेजों के आधार पर एवं एसईएसी की 531वीं बैठक दिनांक 06/12/21 की अनुशंसा को मान्य करते हुए पर्यावरणीय मुद्दों पर विस्तृत चर्चा व परामर्श उपरांत निम्नलिखित निर्णय लिया गया है :—

परियोजना प्रस्तावक द्वारा प्रस्तुत नायब तहसीलदार, मेघनगर, जिला झाबुआ के पत्र क्रमांक 1403 दिनांक 22/05/21 के अनुसार प्रस्तावित खदान के 500 मीटर की परिधि में मानव बसाहट, नहर, बांध, सड़क, प्राकृतिक नाला इत्यादि नहीं होना बताया गया है, यद्यपि अनुमोदित खनन योजना में उल्लेखित अक्षांश-देशांश के आधार पर गूगल इमेज अनुसार खनन क्षेत्र से 25 मीटर की दूरी पर एक पक्की सड़क होना परिलक्षित है । चूंकि माननीय एन.जी.टी. के ओए नं. 304/19 में पारित आदेश एवं सीपीसीबी के दिशा-निर्देश दिनांक 09/07/20 के परिपालन में मानव बसाहट/संवेदनशनसील क्षेत्र/राष्ट्रीय व राज्य राजमार्ग/पब्लिक रोड़/पूल/बाँध/नहर/नदी इत्यादि में प्रस्तावित खनन क्षेत्र से नॉन ब्लारिस्टिंग खनन योजना के लिए 100 मीटर और ब्लारिस्टिंग खनन योजना के 200 मीटर की प्रतिबंधित दूरी निर्धारित है ।

अतः प्रकरण में उपरोक्तानुसार आदेश एवं निर्देशों के परिपालन में पब्लिक रोड़ से प्रतिबंधित दूरी के दृष्टिगत यह निर्णय लिया गया है कि खनन् योग्य क्षेत्र की न्यूनतम् उपलब्धता के दृष्टिगत पुनः परीक्षण हेतु प्रकरण एसईएसी को प्रेषित किया जाये एवं परियोजना प्रस्तावक को सूचित किया जाये ।”

उपरोक्त निर्णयानुसार प्रकरण पुनः परीक्षण हेतु समिति के समक्ष प्रस्तुत है ।

The committee after detailed discussion on SEIAA vide letter no. 2590/SEIAA/2021, dated 15.12.2021 deliberated that these distance criteria shall be implemented for only those stone quarry and proposals which were received in SEAC after 1st January 2022 and distance criteria should not be implemented from the retrospective effect. Hence committee stand by earlier recommendation made in the 531th SEAC meeting dated 06/12/2021.

**14. Case No 8847/2021 Shri Mendu Meda, Owner, Village - Semlipura, Tehsil & Dist. Dhar, MP - 454001 Prior Environment Clearance for Murrum Quarry in an area of 1.214 ha. (10000 Cum per annum) (Khasra No. 224 Peki), Village - Naugaon Bujurg, Tehsil - Dhar, Dist. Dhar (MP) Consultant Shri Amit Saxena Apex Mintech Udaypur (Rj.)**

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 224 Peki), Village - Naugaon Bujurg, Tehsil - Dhar, Dist. Dhar (MP) 1.128 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Consultant Shri Amit Saxena on behalf of PP in the 534<sup>th</sup> SEAC meeting dated 15-12-21 . During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 2838 dated 23/09/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

As per Google image based on coordinates provided by PP, it was observed by committee that a wind mill located at a distance of 85 m in the north-west & 37 m in the south- eastern side of the lease . Committee observed that SEIAA in their 263th meeting

dated 28.11.2015 has decided to leave minimum 300 m distance from the periphery of Wind Turbine Generator Foundation with reference to letter no. 1097 dated 20.11.2015 issued by Commissioner, New & Renewable Energy. Committee observed that if 300 meters area is left as non mining area, no area will be available to carryout mining. Thus considering above facts committee after deliberation recommends that this case cannot be considered for grant of EC and case file may be sent to SEIAA for onward necessary action.

प्रकरण पर 698वीं एसईआईए बैठक दिनांक 28/12/21 में चर्चानुसार निम्नानुसार निर्णय लिया गया ....

“राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (एसईएसी) की 534वीं बैठक दिनांक 15/12/2021 में उक्त प्रकरण में पर्यावरणीय स्वीकृति नहीं दिये जाने हेतु अनुशंसा की गई है ।

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण (एसईआईए) द्वारा प्रकरण से संबंधित परियोजना प्रस्तावक/आरक्यूपी/पर्यावरण सलाहकार द्वारा प्रस्तुत हस्ताक्षरित व अभिप्रमाणित दस्तावेजों के आधार पर एवं एसईएसी की 534वीं बैठक दिनांक 15/12/21 की अनुशंसा को मान्य करते हुए पर्यावरणीय मुद्दों पर विस्तृत चर्चा व परामर्श उपरांत निम्नलिखित निर्णय लिया गया है :—

परियोजना प्रस्तावक द्वारा प्रस्तुत खनन योजना में उल्लेखित अक्षांश—देशांश के आधार पर गूगल इमेज अनुसार खदान के दोनों तरफ (85 मीटर एवं 37 मीटर) पवनचक्की होना परिलक्षित है । अतः प्रकरण उपरोक्तानुसार आदेश एवं निर्देशों के पालन में पवनचक्की से प्रतिबंधित दूरी (300 मीटर) के दृष्टिगत यह निर्णय लिया गया है कि खनन योजना योग्य क्षेत्र की न्यूनतम उपलब्धता के दृष्टिगत पुनः परीक्षण हेतु प्रकरण एसईएसी को प्रेषित किया जाये एवं परियोजना प्रस्तावक को सूचित किया जाये ।”

उपरोक्त निर्णयानुसार प्रकरण पुनः परीक्षण हेतु समिति के समक्ष प्रस्तुत है ।

Hence, in the light of above the case was scheduled for presentation after deliberation committee observed that SEIAA in their 263<sup>th</sup> meeting dated 28.11.2015 has decided to leave minimum 300 m distance from the periphery of Wind Turbine Generator Foundation with reference to letter no. 1097 dated 20.11.2015 issued by Commissioner, New & Renewable Energy.

The committee after deliberation recommended that in this above context SEIAA may take clarification from the Competent Authority who has given earlier recommendation i.e. Commissioner, New & Renewable Energy, Bhopal.

**15. Case No 8836/2021 Smt. Archana Surana, Onwer, 20 Rajmahal Colony, Tehsil and Dist. Ratlam, MP - 457001 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (17100 Cum per annum) (Khasra No. 13/3/2), Village - Dhabaipada, Tehsil - Ratlam, Dist. Ratlam (MP). Env. Consultant M/s. Aseries Envirotech India Pvt. Ltd. Lucknow, U.P.**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 13/3/2), Village - Dhabaipada, Tehsil - Ratlam, Dist. Ratlam (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri O.P. Yadav on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 4010 dated 24/09/2021 has reported that there are one more mines operating or proposed within 500 meters around the said mine with total area 3.20 ha., including this mine. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	110	NW - SE	Protection plan with three rows of Plantation towards road side.

Kachha Road	Crossing the lease	North- south	PP shall submit proposal for non- mining area upto lease boundary in the east boundary.
Water body	160	North east	Provision of Garland drain & settling tanks.

During presentation as per Google image it was observed by committee 03-04 more mine are existed within 500 meters however, M.O. stated that only 01 mine operating or proposed within 500 meters. During presentation PP submitted that they have obtained MO clarification on this issued vide no. 5294 dated 15.12.2021 wherein MO has stated that other mine in 500 meters is exhausted in the year 2017 and now not in existence. After presentation, PP was asked to submit following details:

- Proposal for non- mining area up to lease boundary in the east boundary.
- Revised plantation scheme & species as suggested by committee with fencing status.
  - Sowing of seeds of Neem, Prosopis, Su-babool and locally available indigenous species etc. on the trench, along the fencing on the excavated soil and along the periphery.
  - In barrier zone, propose 03 rows plantation of minimum 2.5 feet height, plant spacing 03 m and row to row spacing 2.5 feet with pit size 60 cm<sup>3</sup> as suggested with the half filled good foreign soil and half filled by manure . Proposal of 6 feet tree guard.
- Revised CER- Propose proposal of white wash and paint in the school as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 15.12.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A'

1. Production shall be as per mine plan with quantity not exceeding for Stone 17,100 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.10.87 Lakh as capital and Rs. 03.23 Lakh/year.
3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:



<b>For Social Welfare (in terms of Physical activities)</b>	
<b>Particulars</b>	<b>Amount Rs.</b>
<ul style="list-style-type: none"> <li>White wash in school building and paint school main gate and Board</li> </ul>	60,000
	<b>60,000.00</b>

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण, भोपाल के पत्र क्रमांक 2769 दिनांक 11/01/22 द्वारा प्रकरण समिति को प्रेषित ।

प्रकरण पर 699वीं एसईआईए बैठक दिनांक 29/12/21 में चर्चानुसार निम्नानुसार निर्णय लिया गया ....

“राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (एसईएसी) की 534वीं बैठक दिनांक 15/12/2021 में उक्त प्रकरण में पर्यावरणीय स्वीकृति दिये जाने हेतु अनुशंसा की गई है ।

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण द्वारा प्रकरण से संबंधित परियोजना प्रस्तावक/आरक्यूपी/पर्यावरण सहाकार द्वारा प्रस्तुत हस्ताक्षरित व अभिप्रमाणित दस्तावेजों के आधार पर एवं एईएसी की 534वीं बैठक दिनांक 15/12/21 की अनुशंसा को मान्य करते हुए पर्यावरणीय मुद्दों पर विस्तृत चर्चा व परामर्श उपरांत निम्नलिखित निर्णय लिया गया :-

परियोजना प्रस्तावक द्वारा प्रस्तुत कार्यालय कलेक्टर (खनिज शाखा) रतलाम के एकल प्रमाण पत्र क्रमांक 4810 दिनांक 24/10/21 के अनुसार प्रस्तावित खदान के 500 मीटर की परिधि में मानव बसाहट, नहर, बांध, सड़क, शैक्षणिक संस्थान इत्यादि नहीं होना बताया गया है, यद्यपि अनुमोदित खनन योजना में उल्लेखित अक्षांश-देशांश के आधार पर गूगल इमेज अनुसार खनन क्षेत्र के अंदर से कच्चा रोड़, पक्का रोड़ 110 मीटर एवं जलाशय 160 मीटर की दूरी

पर होना पलक्षित है । चूँकि माननीय एन.जी.टी. के ओए नं. 304/19 में पारित आदेश एवं सीपीसीबी के दिशा-निर्देश दिनांक 09/7/20 के परिपालन में मानव बसाहट/संवेदनशनसील क्षेत्र/राष्ट्रीय व राज्य राजमार्ग /पब्लिक रोड़/पूल/बॉध/नहर/नदी इत्यादि में प्रस्तावित खनन् क्षेत्र से नॉन ब्लास्टिंग खनन् योजना के लिए 100 मीटर और ब्लास्टिंग खनन् योजना के 200 मीटर की प्रतिबंधित दूरी निर्धारित है ।

अतः प्रकरण में उपरोक्तानुसार आदेश एवं निर्देशों के परिपालन में पब्लिक रोड़ एवं जलाशय से प्रतिबंधित दूरी के दृष्टिगत यह निर्णय लिया गया है कि खनन् योग्य क्षेत्र की न्यूनतम् उपलब्धता के दृष्टिगत पुनः परीक्षण हेतु प्रकरण एसईएसी को प्रेषित किया जाये एवं परियोजना प्रस्तावक को सूचित किया जाये”

उपरोक्त निर्णयानुसार प्रकरण पुनः परीक्षण हेतु समिति के समक्ष प्रस्तुत है ।

The committee after detailed discussion on SEIAA vide letter no. 2590/SEIAA/2021, dated 15.12.2021 deliberated that these distance criteria shall be implemented for only those stone quarry and proposals which were received in SEAC after 1st January 2022 and distance criteria should not be implemented from the retrospective effect. Hence committee stand by earlier recommendation made in the 531th SEAC meeting dated 06/12/2021.

**16. Case No 8818/2021 Shri Jakiuddin Kaji, Juna Bazar, Alot, Dist. Ratlam, MP - 457118 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (Stone - 10453 Cum per annum, Murrum - 4547 Cum per annum) (Khasra No. 172), Village - Malva, Tehsil - Alot, Dist. Ratlam (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 172), Village - Malva, Tehsil - Alot, Dist. Ratlam (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Ms. Nikita Prajapati and Mr. Sishupal Verma on behalf of PP. During presentation, PP showed various documents such as lease sanction order,

Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 5053 dated 25.10.2021 has reported that there is 01 more mines operating or proposed within 500 meters around the said mine with total area 4.0 ha. including this mine. Further it was observed that M.O. stated that the pits which are nearby of this mine are dug out through illegal mining, carried-out in the past by road contractors and no existence in the present time. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Pucca Road	190	West	Protection plan with three rows of Plantation towards road side.
Pond	200	South	Provision of Garland drain & settling tanks.

After presentation the committee asked to submit following details:

- Copy of DSR, as enclosed copy is not legible.
- Propose revised following bifurcation of plantation scheme & species as suggested by committee.

<b>Area</b>	<b>Type of species</b>
<b>In Non-mining Area-</b>	Neem, Sitaphal, Babool, Kahamer, Safed Kastar, Kachnar, jungle Jalebi, Chirol, and other indigenous available plants etc..
<b>In Barrier zone Area-</b>	Sowing of seeds of Neem, Prosopis, Subabool and other indigenous available plants etc. on the trench, along the fencing on the excavated soil and along the periphery. Proposed 03 rows plantation, plant spacing 03 m and row to row spacing 2.5 m with pit size 45 cm <sup>3</sup> or 60cm <sup>3</sup> as suggested by committee.
<b>Approach Road</b>	Chirol, Jungle Jalebi, Katang Bans and other native species etc.

- PP's commitment that Plantation within non- mining area, barrier zone and evacuation route and in the village shall be carried out within 01 year.
- Revised CER- under CER scheme proposed development of Medicinal Garden of 10m X 10 m size & distribution of appropriate nos. masks as per number of houses in the villages and residents as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 06.012.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone – 10,453 Cum per annum, Murrum – 4,547 Cum per annum .
2. A budgetary provision for Environmental management Plan of Rs.10.37 Lakh as capital and Rs. 6.83 Lakh/year.
3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme. However, plantation in non mining zone, barrier zone and evacuation route shall be carried out in the first year of mining operations.
4. Under CER following activities were submitted by PP:

Activities	Cost (in Rs.)
- Distribution of 200 fruits bearing & fodder trees like Imli, Keth, amla, Kathal, Munga, Papaya and Mango etc to villagers for planting.	10,000
- Distribution of 2 table & 4 chairs in village middle school of Jahanabaad along with whitewash of its building.	20,000
- Distribution of Masks (500) and Sanitizers (100 nos) to villagers of Malya due to Covid-19.	5,000
Total	35,000

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण, भोपाल के पत्र क्रमांक 2740 दिनांक 07/01/22 द्वारा प्रकरण समिति को प्रेषित ।

प्रकरण पर 698वीं एसईआईए बैठक दिनांक 28/12/21 में चर्चानुसार निम्नानुसार निर्णय लिया गया ....

राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (एसईएसी) की 531वीं बैठक दिनांक 06/12/2021 में उक्त प्रकरण में पर्यावरणीय स्वीकृति दिये जाने हेतु अनुशंसा की गई है ।

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण (एसईआईए) द्वारा प्रकरण से संबंधित परियोजना प्रस्तावक/आरक्यूपी/पर्यावरण सलाहकार द्वारा प्रस्तुत हस्ताक्षरित व अभिप्रमाणित दस्तावेजों के आधार पर एवं एसईएसी की 531वीं बैठक दिनांक 06/12/21 की अनुशंसा को मान्य करते हुए पर्यावरण मुद्दों पर विस्तृत चर्चा व परामर्श उपरांत निम्नलिखित निर्णय लिया गया :—

परियोजना प्रस्तावक द्वारा प्रस्तुत एकल प्रमाण पत्र क्रमांक 5053 दिनांक 25/10/2021 के अनुसार प्रस्तावित खदान के 500 मीटर की परिधि में 2.00 हेक्टेयर की एक अन्य खदान स्वीकृत होना दर्शित है यद्यपि अनुमोदित खनन योजना में उल्लेखित अक्षांश—देशांश के आधार पर गूगल इमेज अनुसार तीन अन्य तीन खदान (प्रकरण नम्बर 6948, 7391 एवं 6769) और परिलक्षित है जिसका कुल रकबा 5.00 हे. इस प्रकार प्रस्तावित खदान को मिलाकर कुल रकबा 7.00 हे. होता है जिस कारण प्रकरण बी-1 श्रेणी के अंतर्गत आता है। अतः प्रकरण को पुनः परीक्षण हेतु एसईएसी को भेजा जाये। प्रतिलिपि परियोजना प्रस्तावक को सूचनार्थ प्रेषित की जावें ।

उपरोक्तानुसार प्रकरण समिति के समक्ष विचारार्थ/अवलोकनार्थ प्रस्तुत ।

Hence, in the light of above the case was scheduled for presentation after deliberation committee asked PP to submit M.O. clarification in this context then after this case shall be appraised.

**17. Case No 8770/2021 M/s Kiara Infra, Shri Anees Khan, Partner, House no. 517, E-7, Arera Colony, Dist. Bhopal, MP - 462016 Prior Environment Clearance for Murrum Quarry in an area of 1.0 ha. (11760 Cum per annum) (Khasra No. 03), Village - Barkheda Bondar, Tehsil - Huzur, Dist. Bhopal (MP) RQP Swati Namdeo**

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 03), Village - Barkheda Bondar, Tehsil - Huzur, Dist. Bhopal (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Swati Namdeo on behalf of PP in the SEAC 529<sup>th</sup> meeting dated 24.11.2021. During presentation PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 2753 dated 16/9/2021 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total area of 21.37 ha., including this mine. It was observed by committee that this is case of B-1 category as it was observed by Committee that as per mentioned Collector Office (Ekle Praman-patra) letter has reported that there are 07 more homogeneous mines are operating or proposed within 500 meters with total area of 20.37. Further, during presentation PP submitted this is case of Murrum other mines existing within 500 m are crusher stone and crusher stone & Murrum are not homogeneous so consider their case under B-2 category. Committee after discussion and deliberation recommends that in this context PP shall submit M.O. clarification then for further appraisal of this case. The case was scheduled in this meeting for presentation PP submitted vide letter office of the Collector (Mining Deptt.) Distt. Bhopal vide no. 3270 dated 01.12.2021 has reported Murrum & stone are not homogeneous. PP further submitted that since it is a Murrum Quarry where no drilling & blasting is proposed. Mining shall be done through Opencast Semi Mechanized Method. Around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachha Road	Within lease	West	Either side 10 m set back and provide right to access to the villagers.
Kachha Road	13	South	Protection plan with three rows of Plantation towards road side.
Isolated houses	345	SW	Three rows of plantation.
Natural Drain	233	SE	Provision of Garland drain & settling tanks.

After presentation the committee asked to submit following details:

- Revised surface map showing set back of 10 m both side and PP's commitment to provide right to access to the villagers.
- Revised plantation scheme & species, remove species like Subabool, Khair & Kathal and add species like Putranjiva, Maulshri etc. with incorporating locally available species as suggested by committee.
- Revised CER- Propose additional budget for mask distribution with nos. in the local village school as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 14.12.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum – 11,760 Cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.6.86 Lakh as capital and Rs. 01.13 Lakh/year.
3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

	<b>FOR SOCIAL WELFARE:</b>	<b>AMOUNT TO BE SPENT</b>
Village- Barkheda Bondar	1. Installing Main Entrance Gate + painting display board & Repair work in Govt. High school situated at Village Barkheda Bondar .	(0.45 lakh)
	2. Distribution of 500 Nos. of masks & sanitizers in Village – Barkheda Bondar .	(0.05 lakh)
	Total	(0.50 lakh)

प्रकरण पर 699वीं एसईआईए बैठक दिनांक 29/12/21 में चर्चानुसार निम्नानुसार निर्णय लिया गया ....

“राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (एसईएसी) की 533वीं बैठक दिनांक 14/12/2021 में उक्त प्रकरण में पर्यावरणीय स्वीकृति दिये जाने हेतु अनुशंसा की गई है ।

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण (एसईआईए) द्वारा प्रकरण से संबंधित परियोजना प्रस्तावक/आरक्यूपी/पर्यावरण सलाहकार द्वारा प्रस्तुत हस्ताक्षरित व अभिप्रमाणित दस्तावेजों के आधार पर एवं एसईएसी की 533वीं बैठक दिनांक 14/12/21 की अनुशंसा को मान्य करते हुए पर्यावरणीय मुद्दों पर विस्तृत चर्चा व परामर्श उपरांत निम्नलिखित निर्णय लिया गया है :—

परियोजना प्रस्तावक द्वारा प्रस्तुत कार्यालय कलेक्टर (खनिज शाखा) भोपाल के एकल प्रमाण पत्र क्रमांक 2753 दिनांक 16/09/2021 के अनुसार प्रस्तावित खदान के 500 मीटर की परिधि में 07 अन्य खदान होना बताया गया है जिसमें से 06 खदान स्टोन केशर एवं 01 खदान मुरुम की है जिसका कुल रकबा 20.37 हेक्टेयर है, यद्यपि अनुमोदित खनन योजना में उल्लेखित अक्षांश-देशांश के आधार पर गूगल इमेज अनुसार खनन क्षेत्र से 500 मीटर की परिधि में अन्य खदानों की स्थिति को देखते हुए प्रस्तावित खदान का Non Homogenous में होना संभावित नहीं प्रतीत होता है ।

अतः उपरोक्तानुसार उक्त प्रकरण में पुनः प्रकरण एसईएसी को प्रेषित किया जाये एवं परियोजना प्रस्तावक को सूचित किया जाये ।”

उपरोक्त निर्णयानुसार प्रकरण पुनः परीक्षण हेतु समिति के समक्ष प्रस्तुत है ।

The committee after detailed discussion on SEIAA vide letter no. 2590/SEIAA/2021, dated 15.12.2021 deliberated that these distance criteria shall be implemented for only



those stone quarry and proposals which were received in SEAC after 1st January 2022 and distance criteria should not be implemented from the retrospective effect. Hence committee stand by earlier recommendation made in the 533th SEAC meeting dated 14/12/2021.

**18. Case No 8838/2021 Smt. Usha Thakur, Kanaisaangawa, Dist. Dindori, MP - 481882 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (5016 Cum per annum) (Khasra No. 27/2), Village - Khamhi Ryt, Tehsil - Dindori, Dist. Dindori (MP) RQP Shri Balraj Singh Choudhary**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 27/2), Village - Khamhi Ryt, Tehsil - Dindori, Dist. Dindori (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Balraj Singh Choudhary on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 499 dated 18/11/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. In the DFO, letter vide no 5114 dated 27/11/2020 forest area is at a distance <250 meters from the lease boundary for which PP has obtained approval from Divisional Commissioner Level Forest Committee in their meeting dated 28.11.2020 with following conditions:

- Fencing towards the forest boundary & Munare of cement concrete will be constructed all around the lease area.

As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca road	50	SE	Protection plan and three rows of plantation .
River	480	East	Provision of Garland drain & settling tanks.
Some trees	Within lease area	-	Tree management Plan

After presentation the committee asked to submit following details:

- Revised surface plan showing tree occupied area as non- mining area.
- PP's commitment that Plantation within non- mining area, barrier zone and evacuation rout and in the village school shall be carried out within 01 year.
- Revised plantation scheme & species with incorporating locally available species as suggested by committee.
- Revised grazing land development details with Khasra no. and location with geographic coordinates and if it not feasible then proposed distributing of fruit bearing trees in the village as suggested by committee.
- Revised EMP with budgetary provision if any component replaced.
- Revised CER- Propose Whitewash & Painting of Village Primary School Building as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 14.12.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone – 5,016\_Cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.3.37 Lakh as capital and Rs. 01.73 Lakh/year.
3. As proposed, a minimum of 1200 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

Name of Work	Amount
Plantation of 50 species of Neem, Maulshree, Putranjeeva, Kadam, Kachnar will be planted in school premises with Tree Guard and Name plate of species.	Rs. 10,000/-
Whitewash & Painting of Village Primary School Building Khamhi Ryt.	Rs. 15,000/-
<b>Total</b>	<b>25,000/-</b>

प्रकरण पर 699वीं एसईआईए बैठक दिनांक 29/12/21 में चर्चानुसार निम्नानुसार निर्णय लिया गया ....

“राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (एसईएसी) की 533वीं बैठक दिनांक 14/12/2021 में उक्त प्रकरण में पर्यावरणीय स्वीकृति दिये जाने हेतु अनुशंसा की गई है ।

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण (एसईआईए) द्वारा प्रकरण से संबंधित परियोजना प्रस्तावक/आरक्यूपी/पर्यावरण सलाहकार द्वारा प्रस्तुत हस्ताक्षरित व अभिप्रमाणित दस्तावेजों के आधार पर एवं एसईएसी की 533वीं बैठक दिनांक 14/12/21 की अनुशंसा को मान्य करते हुए पर्यावरणीय मुद्दों पर विस्तृत चर्चा व परामर्श उपरांत निम्नलिखित निर्णय लिया गया है :—

परियोजना प्रस्तावक द्वारा प्रस्तुत नायब तहसीलदार डिण्डोरी जिला डिण्डोरी के पत्र क्रमांक 32 दिनांक 21/09/2021 के अनुसार प्रस्तावित खदान के 500 मीटर की परिधि में मानव बसाहट, सड़क, नहर, बांध, शैक्षणिक संस्थान इत्यादि नहीं होना बताया गया है । यद्यपि अनुमोदित खनन योजना में उल्लेखित अक्षांश-देशांश के आधार पर **गूगल इमेज अनुसार खनन क्षेत्र से 50 मीटर की दूरी पर एक पक्की सड़क होना परिलक्षित है ।** चूंकि माननीय एन.जी.टी. के ओए नं. 304/19 में पारित आदेश एवं सीपीसीबी के दिशा-निर्देश दिनांक 09/07/20 के परिपालन में मानव बसाहट/संवेदनशनसील क्षेत्र/राष्ट्रीय व राज्य राजमार्ग/पब्लिक रोड़/पूल/बाँध/नहर/नदी इत्यादि में प्रस्तावित खनन क्षेत्र से नॉन ब्लारिस्टिंग खनन योजना के लिए 100 मीटर और ब्लारिस्टिंग खनन योजना के 200 मीटर की प्रतिबंधित दूरी निर्धारित है ।

अतः प्रकरण में उपरोक्तानुसार आदेश एवं निर्देशों के परिपालन में पब्लिक रोड़ एवं नदी से प्रतिबंधित दूरी के दृष्टिगत यह निर्णय लिया गया है कि खनन योग्य क्षेत्र की न्यूनतम् उपलब्धता के दृष्टिगत पुनः परीक्षण हेतु प्रकरण एसईएसी को प्रेषित किया जाये एवं परियोजना प्रस्तावक को सूचित किया जाये ।”

उपरोक्त निर्णयानुसार प्रकरण पुनः परीक्षण हेतु समिति के समक्ष प्रस्तुत है ।

The committee after detailed discussion on SEIAA vide letter no. 2590/SEIAA/2021, dated 15.12.2021 deliberated that these distance criteria shall be implemented for only those stone quarry and proposals which were received in SEAC after 1st January 2022 and distance criteria should not be implemented from the retrospective effect. Hence committee stand by earlier recommendation made in the 533th SEAC meeting dated 14/12/2021.

**19. Case No 8741/2021 Shri Mohit Maheshwari, Narayan Baag Ke Pass, Chawani, Dist. Agar Malwa(M.P.) 465441 Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (Average 16,000 cum per annum) (Khasra No. 478 Part), Village - Jamali, Tehsil - Badod, Dist. Agar Malwa (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 478 Part), Village - Jamali, Tehsil - Badod, Dist. Agar Malwa (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Swati Namdeo on behalf of PP 526<sup>th</sup> SEAC meeting dated 11-11-21. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 466 dated 09/08/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. It was observed that old pit is existed lease , PP submitted that it is old case and on the same lease of Shri J.P. Gilda when was operated till 07.07.2019 as per M.O. letter vide no. 900 dtd. 19.08.21 status of EC of previous lease , CTE & CTO.

As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	65	East	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Natural Drain	87	South	Provision of Garland drain & settling tanks.
Water Body	240	SE	Provision of Garland drain & settling tanks.

After presentation the committee asked to submit following details:

- Corrected Form-II.
- Revised Plantation scheme with proposal for sowing of Safed Castor and Neem seeds along the fencing as suggested by committee.
- Revised CER, enhanced amount up to a 1.0 lakh with proposal for fodder supply to village Goushala as proposed by PP.

PP has submitted the response of above quarries same date vide letter dated 11.11.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone-16,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 16.20 Lakh as capital and Rs. 01.22 Lakh/year.
3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme and under CSR Rs. 1.00 Lakh/years is proposed.

प्रकरण पर 695वीं एसईआईए बैठक दिनांक 09/12/21 में चर्चानुसार निम्नानुसार निर्णय लिया गया ....

“राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (एसईएसी) की 526वीं बैठक दिनांक 11/11/2021 में उक्त प्रकरण में पर्यावरणीय स्वीकृति दिये जाने हेतु अनुशंसा की गई है ।

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण (एसईआईएए) द्वारा चर्चा एवं एसईएसी की 526वीं बैठक दिनांक 11/11/21 की सिफारिशों के अवलोकन के बाद प्रकरण में निम्नानुसार निर्णय लिया गया है :—

परियोजना प्रस्तावक द्वारा प्रस्तुत कार्यालय कलेक्टर (खनिज शाखा) आगरा मालवा के एकल प्रमाण पत्र क्रमांक 865 दिनांक 09/08/21 के अनुसार प्रस्तावित खदान के 500 मीटर की परिधि में मानव बसाहट, नहर, बांध, प्राकृतिक नाला, पब्लिक सड़क इत्यादि नहीं होना बताया गया है । यद्यपि अनुमोदित खनन योजना में उल्लेखित अक्षांश-देशांश के आधार पर गूगल इमेज अनुसार खनन क्षेत्र से पक्की सड़क 65 मीटर एवं प्राकृतिक नाला 87 मीटर पर होना परिलक्षित है, क्योंकि माननीय एन.जी.टी. के ओए नं. 304/19 में पारित आदेश एवं सीपीसीबी के दिशा-निर्देशों दिनांक 09/07/20 के परिपालन में मानव बसाहट/संवेदनशनसील क्षेत्र/राष्ट्रीय व राज्य राजमार्ग/पब्लिक रोड़/पूल/बाँध/नहर/नदी इत्यादि में प्रस्तावित खनन क्षेत्र से नॉन ब्लारिस्टिंग खनन योजना के लिए 100 मीटर और ब्लारिस्टिंग खनन योजना के 200 मीटर की प्रतिबंधित दूरी निर्धारित है ।

अतः प्रकरण में उपरोक्तानुसार आदेश/निर्देशों के परिपालन में बांध संरचना से प्रतिबंधित दूरी के दृष्टिगत यह निर्णय लिया गया है कि खनन योग्य क्षेत्र के न्यूनतम उपलब्धता के दृष्टिगत पुनः परीक्षण हेतु प्रकरण एसईएसी को प्रेषित किया जाये एवं परियोजना प्रस्तावक को सूचित किया जाये ।

उपरोक्त निर्णयानुसार प्रकरण पुनः परीक्षण हेतु समिति के समक्ष प्रस्तुत है ।

The committee after detailed discussion on SEIAA vide letter no. 2590/SEIAA/2021, dated 15.12.2021 deliberated that these distance criteria shall be implemented for only those stone quarry and proposals which were received in SEAC after 1st January 2022 and distance criteria should not be implemented from the retrospective effect. Hence committee stand by earlier recommendation made in the 526th SEAC meeting dated 11/11/2021.

**20. Case No 8805/2021 Shri Devendra Kumar Jain, R/o- Himanchal Gali, Dist. Tikamgarh, MP, Prior Environment Clearance for Stone Quarry in an area of 1.750 ha. (50000 Cum per annum) (Khasra No. 236/1), Village - Shrinagar Bhata, Tehsil - Tikamgarh, Dist. Tikamgarh (MP) Env. Consultant- Aseries Envirotek India Pvt. Ltd., Noida (U.P.)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 236/1), Village - Shrinagar Bhata, Tehsil - Tikamgarh, Dist. Tikamgarh (MP) 1.750 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Consultant Shri Amar Singh Yadav on behalf of PP 531<sup>st</sup> SEAC meeting dated 06-12-21. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 1935 dated 06.08.2021 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area 13.750 ha., including this mine. During presentation PP submitted that the baseline environmental monitoring for this site is being collected from Octo.– Dec. 2021. As per Google image based on online KML file uploaded by PP, it was observed that QL area is located on the foot hill thus surface run-off shall be discussed in the EIA. Around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Road	600	North- West	---

Being it's a case Stone Quarry with total area of 13.750 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the

process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- QL area is located on the foot hill, thus surface run-off management shall be discussed in the EIA report.
- Gram Sabha NOC for water supply shall be enclosed in the EIA report.
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled “Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”, and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and manpower is to be discussed in the EIA report.
- Activities under CER shall be supported by documentary evidence and considering issues raised in public hearing with physical and financial target.

प्रकरण पर 698वीं एसईआईए बैठक दिनांक 28/12/21 में चर्चानुसार निम्नानुसार निर्णय लिया गया ....

“राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (एसईएसी) की 531वीं बैठक दिनांक 06/12/2021 में उक्त प्रकरण में पर्यावरणीय स्वीकृति दिये जाने हेतु अनुशंसा की गई है ।

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण (एसईआईए) द्वारा प्रकरण से संबंधित परियोजना प्रस्तावक/ आरक्यूपी/ पर्यावरण सलाहकार द्वारा प्रस्तुत हस्ताक्षरित व अभिप्रमाणित दस्तावेजों के आधार पर एवं एसईएसी की 531वीं बैठक दिनांक 06/12/21 की अनुशंसा को मान्य करते हुए पर्यावरणीय मुद्दों पर विस्तृत चर्चा व परामर्श उपरांत निम्नलिखित निम्नलिखित निर्णय लिया गया है :-



परियोजना प्रस्तावक की अनुपस्थिति में पर्यावरण सलाहकार द्वारा एसईएसी में प्रस्तुतीकरण हेतु प्रस्तुतीकरण की प्रति में किसी अन्य प्रकरण (परियोजना प्रस्तावक—श्री नीरज अग्रवाल) का अनुमोदित खनन योजना पत्र लगाया गया है । अतः प्रकरण के पुनः परीक्षण हेतु एसईएसी को प्रेषित किया जाये एवं परियोजना प्रस्तावक/पर्यावरण सलाहकार को सूचित किया जाये ।”

उपरोक्त निर्णयानुसार प्रकरण पुनः परीक्षण हेतु समिति के समक्ष प्रस्तुत है ।

Hence, in the light of above the case was scheduled for clarification from PP wrt above issue raised by SEIAA in their 698<sup>th</sup> SEIAA meeting dated 28-12-21. The Env. Consultant Shri Amar Singh Yadav on behalf of PP has submitted the DGM approved letter of Mining plan in the name of PP i.e. Shri Devendra Jain R/o- Himanchal Gali, Dist. Tikamgarh, MP. After deliberation committee observed that the submitted letter which has issued to Shri Devendra Jain R/o- Himanchal Gali, Dist. Tikamgarh, MP. Hence, stand by earlier recommendation as made in 531<sup>st</sup> SEAC meeting dated 06-12-21.

**(A. A. Mishra)**  
**Member Secretary**

**(Dr. Praveen Chandra Dubey)**  
**Chairman**

**Following standard conditions shall be applicable for the mining projects of minor mineral in addition to the specific conditions and cases appraised for grant of TOR:**

**Annexure- 'A'**

**Standard conditions applicable to Stone/Murram and Soil quarries:**

1. Mining should be carried out as per the submitted land use plan and approved mine plan. The regulations of danger zone (500 meters) prescribed by Directorate General of Mines safety shall also be complied compulsorily and necessary measures should be taken to minimize the impact on environment.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and fenced from all around the site. Necessary safety signage & caution boards shall be displayed at mine site.
3. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
5. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
6. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
7. Crusher with inbuilt APCD & water sprinkling system shall be installed minimum 100 meters away from the road and 500 meters away from the habitations only after the permissions of MP Pollution Control Board with atleast 04 meters high wind breaking wall of suitable material to avoid fugitive emissions.
8. Working height of the loading machines shall be compatible with bench configuration.
9. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
10. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
11. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
12. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
13. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. 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.
14. To avoid vibration, no overcharging shall be carried out during blasting and muffle blasting shall be adopted. Blasting shall be carried out through certified blaster only and no explosive will be stored at mine site without permission from the competent authority.
15. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks (SS pattern) of suitable sizes shall be provided.
16. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. 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.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. 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.

22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
24. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
25. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora , fauna etc. Moreover, a separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
26. The project proponent shall follow the mitigation measures provided in MoEF&CCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled “Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”.
27. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
28. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
29. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner’s Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.
30. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) or concerned DFO or any other suitable agency and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
31. Entire plantation proposed in barrier zone of lease area shall be carried out in the first year itself as per submitted plantation scheme and along the fencing seed sowing of Neem, Babool, Safed Castor etc shall also be carried out.
32. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
33. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.
34. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers on “Vayudoot app”. Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.
35. Adequate provisions of water for irrigating plantation shall be made by PP.
36. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

**Annexure- 'B'**

**Standard conditions applicable for the Sand Mine Quarries\***

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Only registered vehicles/tractor trolleys with GPS 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.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4<sup>th</sup> or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring 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.
13. 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.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
17. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights. All these facilities such as rest shelters, site office etc. Shall be removed from site after the expiry of the lease period.
18. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020 and these details should be provided in Annual Environmental Statement.
19. 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.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. 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.

22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
24. 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.
25. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
28. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
29. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.
30. Following conditions must be implemented by PP in case of sand mining as per NGT (CZ) order dated 19/10/2020 in OA NO. 66/2020 and SEIAA's instruction vide letter No. 5084 dated 09/12/2020.
  - i. The Licensee must use minimum number of poclains and it should not be more than two in the project site.
  - ii. The District Administration should assess the site for Environmental impact at the end of first year to permit the continuation of the operation.
  - iii. The ultimate working depth shall be 01 m from the present natural river bed level and the thickness of the sand available shall be more than 03 m the proposed quarry site.
  - iv. The sand quarrying shall not be carried out blow the ground water table under any circumstances. In case, the ground water table occurs within the permitted depth at 01 meter, quarrying operation shall be stopped immediately.
  - v. The sand mining should not disturb in any way the turbidity, velocity and flow pattern of the river water.
  - vi. The mining activity shall be monitored by the Taluk level Force once in a month by conducting physical verification.
  - vii. After closure of the mining, the licensee shall immediately remove all the sheds put up in the quarry and all the equipments used for operation of sand quarry. The roads/pathways shall be leveled to let the river resume its normal course without any artificial obstruction to the extent possible.
  - viii. The mined out pits to be backfilled where warranted and area should be suitable landscaped to prevent environmental degradation.
  - ix. PP shall adhere to the norms regarding extent and depth of quarry as per approved mining plan. The boundary of the quarry shall be properly demarcated by PP.
31. Species such as Khus Slips and Nagar Motha shall be planted on the river banks for bank stabilization and to check soil erosion while on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
32. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.

33. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.
34. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers on “Vayudoot app”. Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.
35. Adequate provisions of water for irrigating plantation shall be made by PP.
36. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

**Annexure- ‘C’**

**Standard conditions applicable for the Sand deposits on Agricultural Land/ Khodu Bharu Type Sand Mine Quarries\***

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. The mining shall be carried out strictly as per the approved mining plan.
4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.
5. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
7. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
8. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
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 mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
12. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
15. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
16. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. 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.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.

18. 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.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. 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.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
24. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
25. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
26. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.
27. Species such as Khus Slips and Nagar Motha shall be planted on the nearby river banks for bank stabilization and to check soil erosion while dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
28. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) or concerned DFO or any other suitable agency and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
29. Entire plantation proposed in barrier zone of lease area shall be carried out in the first year itself as per submitted plantation scheme.
30. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
31. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. Plantation in adjoining forest land shall be carried out through concerned DFO and commensurate budget shall be transferred for plantation to DFO.
32. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.

33. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers on “Vayudoot app”. Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.
34. Adequate provisions of water for irrigating plantation shall be made by PP.
35. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

**Annexure- ‘D’**

**General conditions applicable for the granting of TOR**

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
3. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
12. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
13. Grant of TOR does not mean grant of EC.
14. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
19. The EIA report should clearly mention activity wise EMP and CER 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 CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.



20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. 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.
22. 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.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analyzed.
26. A separate budget in EMP & CER shall be maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
28. The project proponent shall provide the mitigation measures as per MoEFCC's Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.
29. LPG gas shall be provided for camping labour under "Ujjwala Yojna".
30. In the project where ground water is proposed as water source, the project proponent shall apply to the competent authority such as Central Ground Water Authority (CGWA) as the case may be for obtaining, No Objection Certificate (NOC).
31. Consideration of mining proposals involving violation of the EIA Notification, 2006, the project proponent shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court of India dated 02/08/2017 in WP © No. 114 of 2014 in the matter of Common Cause V/s Union of India & others before grant of TOR/EC. The undertaking inter alia includes commitment of the PP not to repeat any such violation in future as per MoEF&CC OM No. F.NO. 3-50/2017-IA.III (Pt.) dated 30/05/2018.
32. The mining project proponents involving violations of the EIA Notification, 2006 under the provisions of S.O. 804 (E) dated 14/03/2017 and subsequent amendments for TOR/EC shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2<sup>nd</sup> August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors. Before grant of TOR/EC the undertaking inter alia include commitment of the PP not to repeat any such violation of future. In case of violation of above undertaking, the TOR/Environmental Clearance shall be liable to be terminated forthwith.
33. Under CER scheme commitments with physical targets shall be included in EIA report for:
  - ✓ Proposal for CER activities based upon commitment made during public hearing and COVID-19 pandemic.
  - ✓ Activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup etc. in concerned village shall be proposed.
  - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to them who are residing in the nearby villages, shall be considered.
  - ✓ PP's commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained shall be submitted with EIA report.
34. Under Plantation Scheme commitments with budgetary allocations shall be included in EIA report for :
  - ✓ Comprehensive green belt plan with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Proposal for distribution of fruit bearing

- species for nearby villagers shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.
- ✓ Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
  - ✓ Commitment that high density plantation (preferably using “Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation through concern CCF (social forestry) or concerned DFO or any other suitable agency.
  - ✓ Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
  - ✓ PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
  - ✓ Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, minimum 50 saplings be planted considering 80% survival.
  - ✓ Adequate provisions of water for irrigating plantation shall be made by PP.

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

35. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
36. Detailed analysis of availability and quality of the drinking water resources available in the block.
37. A study by CPCB of the methodology of disposal of industrial waste from the existing industries in the block, whether it is being done in a manner that mitigate all health and environmental risks.
38. The consent of Gram Sabah of the villages in the area where project is proposed shall be obtained.