

The 446<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 06<sup>th</sup> July, 2020 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing -

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

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

**1. Case No 7297/2020 Vanshika Construction, Shri Ramlal Jhariya R/o Devri Rajmarg, District Narsinghpur (MP)-487661 Prior Environment Clearance for approval of Sand Quarry in an area of 3.900 ha. (87750 cum per annum) (Khasra No. 2055/2063) at Village- Pondikala, Tehsil- Jaisinghnagar, District- Shahdol (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2055/2063) at Village- Pondikala, Tehsil- Jaisinghnagar, District- Shahdol (MP) 3.900 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 (Ekal Praman-Patr) letter no. 1813 dated 26/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During Presentation PP stated that this is a case of river sand mining on Sone River. The sanctioned depth of the sand is 2.5 meters, as per Google image based on coordinates provided by PP, within 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>
Road Bridge	>750	North	-

After presentation the committee asked to submit following details:

1. Revised plantation species as proposed Jamun, Bargad, and Kadam near river bank and Neem tree along the approach road as suggested by committee.
2. Revised EMP, add proposal of life jacket under PPE's in case of flood emergency.

PP has submitted the response of above queries same date vide letter dated 06.07.2020, which was placed before the committee. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 87,750 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 14.49 Lakh as capital and Rs 5.11 Lakh/year as recurring and under CER Rs. 0.60 Lakh per annum is proposed.

**2. Case No 7298/2020 Vanshika Construction, Shri Ramlal Jhariya R/o Devri Rajmarg, District Narsinghpur (MP)-487661 Prior Environment Clearance for approval of Sand Quarry in an area of 5.00 ha. (125000 cum per annum) (Khasra No. 167) at Village-Rohaniya, Tehsil- Sohagpur, District- Shahdol (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 167) at Village- Rohaniya, Tehsil- Sohagpur, District- Shahdol (MP) 5.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 1777 dated 23/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During Presentation PP stated that this is a case of river sand mining on Sone River. The sanctioned depth of the sand is 2.5 meters. After presentation the committee asked to submit following details:

1. Revised plantation species as proposed Jamun, Bargad, and Kadam near river bank and Neem tree along the approach road as suggested by committee.

2. Revised EMP, add proposal of life jacket under PPE's in case of flood emergency.

PP has submitted the response of above queries same date vide letter dated 06.07.2020, which was placed before the committee. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 1,25,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 17.275 Lakh as capital and Rs 2.78 Lakh/year as recurring and under CER Rs. 0.60 Lakh per annum is proposed.

**3. Case No 7299/2020 Vanshika Constuction, Shri Ramlal Jhariya R/o Devri Rajmarg, District Narsinghpur (MP)-487661 Prior Environment Clearance for approval of Sand Quarry in an area of 5.00 ha. (58500 cum per annum) (Khasra No. 2084) at Village-Lalpur, Tehsil- Sohagpur, District- Shahdol (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2084) at Village- Lalpur, Tehsil- Sohagpur, District- Shahdol (MP) 5.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 1775 dated 23/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining on Sone River. During presentation as per Google image based on coordinates provided by PP, it was observed that the part of the lease is submerged in the water for which PP submitted that they will left submerged as non – mining area and sanctioned volume of sand can be easily evacuated from the remaining part of lease.

After presentation the committee asked to submit following details:

1. Revised plantation species as proposed Jamun, Bargad, and Kadam near river bank and Neem tree along the approach road as suggested by committee.
2. Revised EMP, add proposal of life jacket under PPE's in case of flood emergency.

PP has submitted the response of above queries same date vide letter dated 04.07.2020, which was placed before the committee. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 58,500 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 16.175 Lakh as capital and Rs 3.08 Lakh/year as recurring and under CER Rs. 0.60 Lakh per annum is proposed.

**4. Case No 7300/2020 Vanshika Construction, Shri Ramlal Jhariya R/o Devri Rajmarg, District Narsinghpur (MP)-487661 Prior Environment Clearance for approval of Sand Quarry in an area of 5.00 ha. (100800 cum per annum) (Khasra No. 1279/1567) at Village- Batura, Tehsil- Budhar, District- Shahdol (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1279/1567) at Village- Batura, Tehsil- Budhar, District- Shahdol (MP) 5.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 1820 dated 26/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining on Sone River. During presentation as per Google image based on coordinates provided by PP it was observed that the. It was also observed that in the upstream of the lease a road bridge is located at 170 m for which PP submitted that they will left 80 meters left from the road bridge to lease area as non – mining area as per Enforcement and Monitoring Guidelines for Sand Mining 2020 by MoEF&CC.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Road Bridge	>170	South-West	Total 250 meters left from the road bridge to the lease area as non – mining area
Well	>170	East	-
Stream	Crossing the lease	-	Leaving 50 meters either side of the Stream as non-mining area .

After presentation the committee asked to submit following details:

1. Revised plantation species as proposed Jamun, Bargad, and Kadam near river bank and Neem tree along the approach road as suggested by committee.
2. Revised EMP, add proposal of life jacket under PPE's in case of flood emergency.

PP has submitted the response of above queries same date vide letter dated 04.07.2020, which was placed before the committee. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 1,00800 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 17.08 Lakh as capital and Rs 6.02 Lakh/year as recurring and under CER Rs. 0.60 Lakh per annum is proposed.

**5. Case No 7301/2020 Vanshika Constuction, Shri Ramlal Jhariya R/o Devri Rajmarg, District Narsinghpur (MP)-487661 Prior Environment Clearance for approval of Sand Quarry in an area of 5.00 ha. (82000 cum per annum) (Khasra No. 28) at Village- Patasi, Tehsil- Sohagpur, District- Shahdol (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 28) at Village- Patasi, Tehsil- Sohagpur, District- Shahdol (MP) 5.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 1818 dated 26/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining on Sone River. During presentation as per Google image based on coordinates provided by PP it was observed that the. It was also observed that in the upstream & downstream two streams are joining the lease at distance of >300 m and >170 m . After presentation the committee asked to submit following details:

1. Revised plantation species as proposed Jamun, Bargad, and Kadam near river bank and Neem tree along the approach road as suggested by committee.
2. Revised EMP, add proposal of life jacket under PPE's in case of flood emergency.

PP has submitted the response of above queries same date vide letter dated 04.07.2020, which was placed before the committee. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 82,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 16.94 Lakh as capital and Rs 7.17 Lakh/year as recurring and under CER Rs. 0.60 Lakh per annum is proposed.

**6. Case No. – 6042/2019 M/s A.K.Choudhary Contractors & Real Estate Pvt. Ltd, Basant Vihar Colony, Meerut Road, Dist. Bijnor, UP – 585103 Prior Environment Clearance for Metal Stone Quarry in an area of 2.74 ha. (61,976 cum per annum) (Khasra No. 1100 Part), Village - Didwara, Tehsil - Luvkush Nagar, Dist. Chhatarpur (MP).**

This is case of Metal Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1100 Part), Village - Didwara, Tehsil - Luvkush Nagar, Dist. Chhatarpur (MP) 2.74 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. 637 dated: 4/02/2019 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 8.115 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 358<sup>th</sup> SEAC meeting dated 09/04/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 22/06/2020 which was forwarded through SEIAA vide letter no. 1404 dated 29/06/2020, which was placed before the committee.

PP and their consultant presented the EIA before the committees, PP stated that the they have conducted the slope stability study from CSIR-Central Institute of Mining and Fuel Research Barwa Road, Dhanbad before commencing the mining activities and the and as per suggestion given in the study they will comply the same. Following details of this project were submitted by the PP:

- The project has been proposed for the Mining of metal stone from the Government Land by open cast manual extraction and mechanized method. Mining will be confined to the allotted lease area which lies on the Barren waste land from which approximately 61976.00 cum of Metal stone will be excavated per annum and the estimated project cost is Rs. 15 Lakhs.
- The mining lease (area 2.74 Ha) has been granted in favour of M/s A.K.Choudhary Contractors & Real Estate Pvt. Ltd over an area of 2.74 Ha with Khasra No.-1100 Partsituated in VillageDidwara Tehsil Luvkush Nagar, District Chhatarpur, M.P. Mining will be carried out on the basis of govt. consent order for mining operations for 03 years. A total mineable reserve as per the mining plan is 585103.00 cum & with maximum of production of mineral 182169.0 cum for remaining 03 years.
- The proposed project is an opencast and fully mechanized mining project, where mining of metal stone will be done. Methods of mining will be open cast, and mechanized with drilling and blasting. Mining will be confined to the allotted lease area which lies on the Barren waste land from which approximately **61976.00** cum of Metal stone will be excavated every year. Drilling & Blasting is proposed in this mining activity.

After presentation and deliberation, PP was asked to submit following information:

1. Revised water balance chart/data.

2. Revised plantation scheme and species as suggested by committee.
3. Mitigative measures for high air quality.
4. Revised EMP.
5. Revised CER.

PP vide their letter dated 06.07.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Metal Stone Quarry in an area of 2.74 ha. (61,976 cum per annum) (Khasra No. 1100 Part), Village - Didwara, Tehsil - Luvkush Nagar, Dist. Chhatarpur (MP), subject to the following special conditions:

**(A) PRE-MINING PHASE**

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

**(B) MINING OPERATIONAL PHASE**

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.



16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 3000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 1230M X 1M X 1M. The settling tank will be 04 in number of size 5mx 2m x 2m.
25. 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.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. The existing and proposed land use plan of the mine is as follows:

S No.	Heads	At present m2	At the end of 5yrs m2	At the end of conceptual period m2
1	Total Area excavated (broken)	0	21742	22877
2	Area mined out (out of 1)	0	0	0
3	Area fully reclaimed (back filled) (out of 2)	0	0	0
4	Area rehabilitated by water harvesting (out of 2)	0	0	6166

5	Area fully rehabilitated by bench/slope forestation(out of 2)	0	0	16261
6	Total Area under dumps	0	0	0
7	Area under active dumps	0	0	0
8	Area under Road (Out side pit)	0	-	-
9	Area under Infrastructure	0	50	50
10	Green Belt Area	0	900	4473
11	Undisturbed Area	27400	4708	0
	Total Area	27400	27400	27400

28. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
29. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
30. The commitments made in the public hearing are to be fulfilled by the PP.
31. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
32. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

**(C) ENTIRE LIFE OF THE PROJECT**

33. In the proposed EMP, capital cost is Rs. 17.31Lakh is proposed and Rs.5.76 Lakh /year as recurring expenses.
34. Under CSR activity, Rs. 1.0 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
35. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
36. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**7. Case No. – 6043/2019 M/s A.K.Choudhary Contractors & Real Estate Pvt. Ltd, Basant Vihar Colony, Meerut Road, Dist. Bijnor, UP – 585103 Prior Environment Clearance for Metal Stone Quarry in an area of 2.0 ha. (44,699 cum per annum) (Khasra No. 1592/1), Village - Didwara, Tehsil - Luvkush Nagar, Dist. Chhatarpur (MP)**

This is case Metal Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1592/1), Village - Didwara, Tehsil - Luvkush Nagar, Dist. Chhatarpur (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 358<sup>th</sup> SEAC meeting dated 09/04/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 22/06/2020 which was forwarded through SEIAA vide letter no. 1404 dated 29/06/2020, which was placed before the committee.

PP and their consultant presented the EIA before the committees, PP stated that the they have conducted the slope stability study from CSIR-Central Institute of Mining and Fuel Research Barwa Road, Dhanbad before commencing the mining activities and the and as per suggestion given in the study they will comply the same. PP further submitted that no mining is carried out by PP since 2014 for want of EC. Following details of this project were submitted by the PP:

- The project has been proposed for the Mining of metal stone from the Government Land by open cast manual extraction and mechanized method. Mining will be confined to the allotted lease area which lies on the **Barren waste land** from which approximately **61976.00 cum** of Metal stone will be excavated per annum and the estimated project cost is **Rs. 15 Lakhs**.
- Mining will be carried out on the basis of govt. consent order for mining operations for 03 years. A total mineable reserve as per the mining plan is 585103.00 cum & with maximum of production of mineral 182169.0 cum for remaining 03 years.
- The proposed project is an opencast and fully mechanized mining project, where mining of metal stone will be done. Methods of mining will be open cast, and mechanized with drilling and blasting. Mining will be confined to the allotted lease area which lies on the Barren waste land from which approximately **61976.00 cum** of Metal stone will be excavated every year. Drilling & Blasting is proposed in this mining activity.

After presentation and deliberation, PP was asked to submit following information:

1. Letter for justification for past excavation.

2. Copy of slope stability study.
3. Revised water balance chart/data.
4. Revised plantation species as suggested by committee.
5. Mitigative measures for high air quality.
6. Revised EMP.
7. Revised CER.

PP vide their letter dated 06.07.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Metal Stone Quarry in an area of 2.0 ha. (44,699 cum per annum) (Khasra No. 1592/1), Village - Didwara, Tehsil - Luvkush Nagar, Dist. Chhatarpur (MP) subject to the following special conditions:

#### **(A) PRE-MINING PHASE**

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

#### **(B) MINING OPERATIONAL PHASE**

10. No overcharging during blasting to avoid vibration.
11. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
12. Working height of the loading machines shall be compatible with bench configuration.
13. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.

14. No explosive will be stored at the mine site.
15. No intermediate stacking is permitted at the mine site.
16. No dump shall be stacked outside the lease area.
17. Overhead sprinklers shall be provided in mine.
18. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
19. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 3000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
20. Transportation of material shall be done in covered vehicles.
21. Transportation of minerals shall not be carried out through forest area.
22. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
23. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine.. The settling tank will be 02 in number of size 10mx 2m x 2m.
24. 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.
25. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
26. The existing and proposed land use plan of the mine is as follows:

S No.	Heads	At present m2	At the end of 5yrs m2	At the end of conceptual period m2
1	Total Area excavated (broken)	4020	15980	15980
2	Area mined out	0	0	15980
3	Area fully reclaimed (back filled)	0	0	0
4	Area rehabilitated by water harvesting	0	0	11763
5	Area fully rehabilitated by bench/slope forestation	0	0	4217

6	Total Area under dumps	0		
7	Area under active dumps	0		
8	Area under Road (Out side pit)	0		
9	Area under Infrastructure	0	50	50
10	Green Belt Area	0	1800	3970
11	Undisturbed Area	15980	2170	0
12	Total Area	20000	20000	20000

27. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
28. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
29. The commitments made in the public hearing are to be fulfilled by the PP.
30. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
31. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

### **(C) ENTIRE LIFE OF THE PROJECT**

32. In the proposed EMP, capital cost is Rs. 17.31Lakh is proposed and Rs.5.76 Lakh /year as recurring expenses.
33. Under CSR activity, Rs. 1.0 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
34. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
35. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**8. Case No. – 6256/2019 Shri Dharmendra Sharma, R/o Infront of Narcotics Office, Mal Road, Murar, Dist. Gwalior, MP. Prior Environment Clearance for Stone Quarry in an area of 1.150 ha. (50,000 cum per annum) (Khasra No. 3892/1, 3739), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 3892/1, 3739), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (MP) 1.150 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. Q-L-52 dated: 03/10/2018 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 2.25 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 403<sup>rd</sup> SEAC meeting dated 06/11/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 1347 dated 27/06/2020, which was placed before the committee.

PP and their consultant presented the EIA presentation before the committee PP stated that the area is fresh granted the lease area is almost having level. The maximum contour of the lease area is 231 mRL, where as the lowest contour of the area is 230 mRL and following are the salient features of the mine-

- This mine is situated near village Biloua, this region spreads has 65 other mines in it. The whole area is considered as Biloua, Rafadpur and Chirpura Cluster. This cluster is considered as the Core Zone for our study of EIA/EMP. Around this area, a buffer zone is considered up to 10Km radius around the core zone (Cluster). The report is prepared for Shri Dharmendra Sharma, Stone (Gitti) mines and the preparation of management plan (EMP) is done while considering the impact assessment (EIA) of the whole Biloua, Rafadpur and Chirpura Cluster.
- There are no prominent surface water bodies in the core zone. Except 7 village ponds and small anicuts. Surface runoff generated during monsoon period through the streamlets and local nallahs dries soon after the monsoon spell.

- The mining lease drilled by Rock drill run by tractor compressor drill hole 100m.m. dia. and blasted. The deep hole drilling and blasting is done where the mineralized portion containing stone is broken by drilling 6.00 m deep holes with Rock drill.

After presentation and deliberation, PP was asked to submit following information:

1. A map showing space available at pit bottom at conceptual stage .
2. Revised CER.

PP vide their letter dated 06.07.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Stone Quarry in an area of 1.150 ha. (50,000 cum per annum) (Khasra No. 3892/1, 3739), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (MP). , subject to the following special conditions:

#### **(A)PRE-MINING PHASE**

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.
11. No crusher shall be installed.
12. Explore possibility to water sprinkling through fogging machine in the form of mist in entire billaua cluster through their association for effective dust control.



13. Explore the possibility of providing common drainage for entire billaua cluster through their association.

**(B) MINING OPERATIONAL PHASE**

14. No overcharging during blasting to avoid vibration.
15. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
16. Working height of the loading machines shall be compatible with bench configuration.
17. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
18. No explosive will be stored at the mine site.
19. No intermediate stacking is permitted at the mine site.
20. No dump shall be stacked outside the lease area.
21. Overhead sprinklers shall be provided in mine.
22. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
23. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 1385 trees shall be planted on barrier zone, backfilled area and along the transportation route.
24. Transportation of material shall be done in covered vehicles.
25. Transportation of minerals shall not be carried out through forest area.
26. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
27. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 16178M X 3M X 2M. The settling tank will be 20 in number of size 3mx 3m x 6m.
28. 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.
29. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
30. The existing and proposed land use plan of the mine is as follows:

<b>S. No</b>	<b>Description</b>	<b>Present area in (hect.)</b>	<b>At the end of Plan period (hect.)</b>	<b>At the end of Life (hect.)</b>
<b>1.</b>	Mining out area (pit)	0.0000	0.8310	0.8310
<b>2.</b>	Water reservoir*	0.0000	0.8310	0.8310
<b>3.</b>	Plantation area	0.0000	0.1595	0.3190
<b>5.</b>	Unused area	1.1500	0.1595	0.0000
	<b>Total lease area</b>	<b>1.1500</b>	<b>1.1500</b>	<b>1.1500</b>

31. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
32. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
33. The commitments made in the public hearing are to be fulfilled by the PP.
34. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
35. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

### **(C) ENTIRE LIFE OF THE PROJECT**

36. In the proposed EMP, capital cost is Rs. 11.04Lakh is proposed and Rs.2.35 Lakh /year as recurring expenses.
37. Under CSR activity, Rs. 1.50 Lakh are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
38. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
39. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**9. Case No. - 6286/2019 M/s Jay Dau Baba Stone Industries, Shri Nishant Kumar Bhatt R/o Diwakar Complex, Anand Nagar Chouraha, Bahodapur, Dist. - Gwalior, (M.P.). Prior Environment Clearance for Stone Quarry in an area of 2.00 ha., Capacity – 75,000 cum per annum, at Khasra No. 2731/Min-1/2,2724/Min-1, Village - Biloua, Tehsil - Dabra, Dist. - Gwalior (M.P.)M/s Apex Mintech Consultants.**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 2731/Min-1/2,2724/Min-1, Village - Biloua, Tehsil - Dabra, Dist. - Gwalior (M.P.) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. QL-278dated: 03/10/18 has reported that there are 02 more mine operating or proposed within 500 meters around the said mine with total area of 6.676 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 378<sup>th</sup> SEAC meeting dated 03/07/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 1345 dated 27/06/2020, which was placed before the committee.

PP and their consultant presented the EIA presentation before the committee following are the salient features of the mine-

- The lease area hold is almost having level. The elevation of the highest point is 241m, AMSL and the elevation of the lowest point is 240m AMSL. The area being almost level no prominent Nalla in an around the lease hold. The rain water finally drains down to the river name Sindh at distance of about 16Km.
- This mine is situated near village Biloua, This region spreads has 65 other mines in it. The whole area is considered as Biloua, Rafadpur and Chirpura Cluster. This cluster is considered as the Core Zone for our study of EIA/EMP. Around this area, a buffer zone is considered up to 10Km radius around the core zone (Cluster). The report is prepared for Shri Dharmendra Sharma, Stone (Gitti) mines and the preparation of management plan (EMP) is done while considering the impact assessment (EIA) of the whole Biloua,Rafadpur and Chirpura Cluster.

- The mining lease area is not falling in any type of Forest land and a certificate No. QL/Drawing/369 dated 12/01/2018 has been issued by the Conservator Forest officer Gwalior, (M.P.).

After presentation and deliberation, PP was asked to submit following information:

1. A map showing space available at pit bottom at conceptual stage .
2. Revised CER.

PP vide their letter dated 06.07.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Stone Quarry in an area of 2.00 ha., Capacity – 75,000 cum per annum, at Khasra No. 2731/Min-1/2, 2724/Min-1, Village - Biloua, Tehsil - Dabra, Dist. - Gwalior (M.P.), subject to the following special conditions:

**(A) PRE-MINING PHASE**

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.
11. No crusher shall be installed.
12. Explore possibility to water sprinkling through fogging machine in the form of mist in entire billaua cluster through their association for effective dust control.

13. Explore the possibility of providing common drainage for entire billaua cluster through their association.

**(B) MINING OPERATIONAL PHASE**

14. No overcharging during blasting to avoid vibration.
15. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
16. Working height of the loading machines shall be compatible with bench configuration.
17. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
18. No explosive will be stored at the mine site.
19. No intermediate stacking is permitted at the mine site.
20. No dump shall be stacked outside the lease area.
21. Overhead sprinklers shall be provided in mine.
22. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
23. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 2385 trees shall be planted on barrier zone, backfilled area and along the transportation route.
24. Transportation of material shall be done in covered vehicles.
25. Transportation of minerals shall not be carried out through forest area.
26. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
27. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 16178M X 3M X 2M. The settling tank will be 20 in number of size 3mx 3m x 6m.
28. 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.
29. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
30. The existing and proposed land use plan of the mine is as follows:

S. No	Description	Present area in (hect.)	At the end of Plan period (hect.)	At the end of Life (hect.)
1.	Mining out area (pit)	0.0000	1.3124	1.3124
2.	Water reservoir*	-	1.3124	1.3124
3.	Plantation area	-	0.3438	0.6876
5.	Unused area	2.0000	0.3438	0.0000
	Total lease area	2.0000	2.0000	2.0000

31. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
32. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
33. The commitments made in the public hearing are to be fulfilled by the PP.
34. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
35. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

**(C) ENTIRE LIFE OF THE PROJECT**

36. In the proposed EMP, capital cost is Rs. 11.04Lakh is proposed and Rs.2.35 Lakh /year as recurring expenses.
37. Under CSR activity, Rs. 2.250 Lakh are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
38. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
39. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**10. Case No 7287/2020 M/s J.K. Cement Works, Ujjain (A Unit of J.K. Cement Limited), through GM Legal and Corporate Affairs Kamla Tower, Kanpur (UP)-208001 Prior Environment Clearance for approval of Clinker grinding Unit with Cement Production at 17, 24, 25, 36, 37, 38, 39 and 41 at Village- Madhavgarh, Tehsil- Ghatiya, District- Ujjain (MP) Land area - 10.75 ha. Proposed Capacity 1.50 MTPA and D.G. sets (1250 KVA & 125 KVA)**

This is a case of Clinker grinding Unit with Cement Production (Proposed Capacity 1.50 MTPA and D.G. sets (1250 KVA & 125 KVA). The project is covered under item 3(b) in the schedule of EIA notification hence requires prior EC from SEIAA before commencement of any activity at site. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

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

**INTRODUCTION-**

M/s. J.K. Cement Works, Ujjain (A Unit of J.K. Cement Limited) is proposing a Clinker Grinding Unit with Cement Production Capacity of 1.50 MTPA and D.G. Sets of 1250 kVA and 125 kVA at Village: Madhavgarh, Tehsil: Ghatiya, District: Ujjain (Madhya Pradesh). Two products are envisaged - Ordinary Portland Cement (OPC) - 10 % and Portland Pozzolana Cement (PPC) - 90 %. The total production will be 1.50 MTPA Cement.

**LOCATION-**

The Proposed Grinding Unit is located at Village: Madhavgarh, Tehsil: Ghatiya, District: Ujjain (Madhya Pradesh).

**PROJECT STATUS-**

Application (Form - I / PFR) for the Proposed Clinker Grinding Unit was uploaded on SEIAA web-portal on 18<sup>th</sup> April, 2020. Thereafter, Essential Details Sought (EDS) has been generated by Member Secretary, SEIAA MP) on 30<sup>th</sup> April, 2020 and reply of the EDS has been uploaded on 9<sup>th</sup> June, 2020.

**ENVIRONMENTAL SETTINGS-**

S. No.	Particulars	Details (With approximate aerial distance & direction from proposed project site)
1.	Nearest Village	Madhavgarh (0.2 km in SE direction)
2.	Nearest Town and City	Ujjain (10.0 km in SSE direction)

S. No.	Particulars	Details (With approximate aerial distance & direction from proposed project site)
3.	Nearest National Highway / State Highway	<ul style="list-style-type: none"> <li>○ SH - 17 (1.5 km in SW direction)</li> <li>○ SH - 18 (8.5 km in SSE direction)</li> <li>○ SH - 27 (8.5 km in ESE direction)</li> </ul>
4.	Nearest Railway station	<ul style="list-style-type: none"> <li>○ Naikheri Railway station (8.0 km in SW direction)</li> <li>○ Ujjain Railway Station (10.5 km in SSE direction)</li> </ul>
5.	Nearest Airport	Devi Ahilyabai Holker International Airport, Indore (60 km in SSW direction)
6.	National Parks, Wildlife Sanctuaries, Biosphere Reserves, Reserve Forest (RF) / Protected Forest (PF) etc. within 10 km radius.	There is no National Park, Wildlife Sanctuary, Biosphere Reserve, Reserve Forest (RF) / Protected Forest (PF) within 10 km radius of the project site.
7.	Water Bodies (within 10 km radius)	<ul style="list-style-type: none"> <li>○ Shipra River (3.0 km in NNE direction)</li> <li>○ Gambhiri River (9.0 km in WSW direction)</li> <li>○ Jaithal Nala (7.5 km in ENE direction)</li> </ul>
8.	Seismic Zone	Zone - II as per IS: 1893 (Part-I): 2002

**BASIC REQUIREMENTS OF PROJECT-**

S. No.	Particulars	Requirement	Source
1.	<b>Water Requirement</b>	184 KLD	Ground water
2.	<b>Manpower Requirement</b>	Operation Phase: 250 Persons (Permanent:50 & Temporary: 200) Implementation Phase : 500 Persons	Unskilled / Semi-skilled - local area, Skilled - outside/ local
3.	<b>Power Requirement</b>	9.0 MW	MP State Grid and D.G. Sets (For emergency back-up)
4.	<b>Total Project Area</b>	10.75 ha	
5.	<b>Greenbelt/ Plantation</b>	3.55 ha (33% of the total project area) will be developed under Greenbelt & Plantation.	



5.	<b>Total Cost for the Project</b>	Rs. 307.35 Crores
6.	<b>Cost for Environmental Protection Measures</b>	<ul style="list-style-type: none"> <li>○ Capital Cost - Rs. 22.74 Crores</li> <li>○ Recurring Cost - Rs. 1.23 Crores / annum</li> </ul>

**RAW MATERIAL AND FUEL REQUIREMENTS**

S. No.	Material	Quantity (TPA)	Source	Distance & Mode of Transportation
1.	Clinker	142500	JKCW, Mangrol, Chittorgarh (Rajasthan) and JKCW, Nimbahera, Chittorgarh (Rajasthan)	~225 km by Road
2.	Gypsum (Mineral and Chemical)	7500	Suppliers of Gujarat and Rajasthan	~ 300 - 700 km / Road

Committee after deliberations recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's as annexed as annexure "D":-

1. Habitation at south side < 200 m submit protection plan with EIA.
2. DFO certificate with EIA.
3. Explore possibility of using surface water sources instead of GW.
4. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
5. Proposed appropriate capacity of STP.
6. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report.
7. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
8. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
9. Water quality of all the villages within 10 k.m radius should be studied and result should be incorporated in final EIA report.
10. Heavy metals and pesticides shall be analyzed in atleast one soil samples.

**11. Case No 7289/2020 Shri Nakul Vishwakarma R/o House No. 27, reliance Petrol Pump ke samne, Shivsthal Colony Makronia bujur district Sagar (MP). Prior Environment Clearance for approval of Murrum Quarry in an area of 1.75 ha. (38808 cum per annum) (Khasra No. 5) at Village- Barkheda Bondar, Tehsil- Huzur, District- Bhopal (MP)**

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 5) at Village- Barkheda Bondar, Tehsil- Huzur, District- Bhopal (MP) 1.75 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. 280 dated 05/11/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed-

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Kachcha Road	Adjacent to the lease	North	Set back of 10 meters from the lease to the kachcha road to be left .

PP further stated that no blasting is proposed and depth restriction is upto 3 meters. After presentation the committee asked to submit following details:

- Commitment set back of 10 meters from the lease to the kachcha road to be left.  
Inventory of the trees within lease.

PP has submitted the response of above quarries same date vide letter dated 20.05.2020, 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 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 38,808 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 10.77 Lakh as capital and Rs. 1.9 Lakh/year and under CER Rs. 01.0 Lakh/ year has proposed.

**12. Case No 7296/2020 Vanshika Constuction, Shri Ramlal Jhariya R/o Devri Rajmarg, District Narsinghpur (MP)-487661 Prior Environment Clearance for approval of Sand Quarry in an area of 2.023 ha. (49590 cum per annum) (Khasra No. 853/1317) at Village- Chaka, Tehsil- Budhar, District- Shahdol (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 853/1317) at Village- Chaka, Tehsil- Budhar, District- Shahdol (MP) 2.023 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 (Ekal Praman-Patr) letter no. 1776 dated 23/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During Presentation PP stated that this is a case of river sand mining on Sone River. The sanctioned depth of the sand is 3.0 meters.

After presentation the committee asked to submit following details:

1. Revised plantation species as proposed Jamun, Bargad, and Kadam near river bank and Neem tree along the apporoach road as suggested by committee.
2. Revised EMP, add proposal of life jacket under PPE's in case of flood emergency.

PP has submitted the response of above queries same date vide letter dated 06.07.2020, which was placed before the committee. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 49,590cum/year.

2. A budgetary provision for Environmental management Plan of Rs. 5.69 Lakh as capital and Rs 7.57 Lakh/year as recurring and under CER Rs. 0.60 Lakh per annum is proposed.

**13. Case No 7302/2020 Shri Gajendra Singh Parmar R/o village Kadrana, Tehsil chanderi, District Ashoknagar (MP). Prior Environment Clearance for approval of Granite Deposit in an area of 4.00 ha. (2250 cum per annum) (Khasra No. 669) at Village-Badera, Tehsil- Chanderi, District- Ashoknagar (MP)**

This is case of Granite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 669) at Village- Badera, Tehsil- Chanderi, District- Ashoknagar (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. Q dated 20/1/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed-

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Kachcha Road	>65	NW	-

PP further stated this is granite stone which is compact form hence mining shall be done through wire saw method and no blasting is proposed. After presentation the committee asked to submit following details:

- Proposal for sprinkling by water tanker on transportation road.
- Revised EMP.

PP has submitted the response of above quarries same date vide letter dated 06.07.2020, 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

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 Granite 2250 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 17.86 Lakh as capital and Rs. 2.28 Lakh/year and under CER Rs. 10.0 Lakh is proposed.

**14. Case No 7303/2020 M/s. Dilip Buildcon, Project Manager, MH Road Project, Kondajhiri Camp, Kurai, Seoni (MP), Prior Environment Clearance for approval of Stone Quarry in an area of 2.85 ha. (2,00,000 cum per annum) (Khasra No. 211) at Village- Chargaon, Tehsil- Kurai, District- Seoni (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 211) at Village- Chargaon, Tehsil- Kurai, District- Seoni (MP) 2.85 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 153 dated 01/6/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.85 ha., including this mine.

During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed-

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
02 Trees	Within lease	-	Commitment that tree falling shall be done after taking permission from competent authority .
Mine haulage Road	West	10	-

PP further stated this is granite stone which is compact form hence mining shall be done through wire saw method and no blasting is proposed. After presentation the committee asked to submit following details:

- Commitment that tree falling shall be done after taking permission from competent authority and 20 additional trees will be planted.
- Proposal one additional settling tanks shall be erected.

PP has submitted the response of above quarries same date vide letter dated 06.07.2020, 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 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 2,00,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 17.38 Lakh as capital and Rs. 3.33 Lakh/year and under CER Rs. 10.0 Lakh is proposed.

**15. Case No 7304/2020 M/s. Dilip Buildcon, Project Manager, MH Road Project, Kondajhiri Camp, Kurai, Seoni (MP), Prior Environment Clearance for approval of Stone Quarry in an area of 2.00 ha. (2,00,000 cum per annum) (Khasra No. 96) at Village- Chargaon, Tehsil- Kurai, District- Seoni (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 96) at Village- Chargaon, Tehsil- Kurai, District- Seoni (MP) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 152 dated 01/6/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.85 ha., including this mine.

During presentation as per Google image based on coordinates provided by PP, within 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>
01 Trees	Within lease	-	PP submitted that one tree will be uprooted after taking permission from competent authority.
Mine haulage Road	West	-	-

PP further stated that PP further stated that, this lease was obtained under temporary permit (TP) with 02 years validity. After presentation the committee asked to submit following details:

- Commitment that 01 tree falling shall be done after taking permission from competent authority and 10 additional trees will be planted.
- EMP Map.
- Revised EMP

PP has submitted the response of above quarries same date vide letter dated 06.07.2020, 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 2,00,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.12.28 Lakh as capital and Rs. 02.53 Lakh/year and under CSR Rs. 01.50 Lakh/years has proposed.

**16. Case No 7305/2020 M/s Fortune Stones Limited, 11, Bungalow No. 2, Lonathpuram, Sagar Road, Chhatarpur (MP) Prior Environment Clearance for approval of Granite Stone Quarry in an area of 1.40 ha. (711 cum per annum) (Khasra No. 901 part) at Village- Kathara, Tehsil- Lavkushnagar, District- Chhatarpur (MP)**

This is case of Granite Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 901 part) at Village- Kathara, Tehsil-

Lavkushnagar, District- Chhatarpur (MP) 1.40 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 914 dated 05/6/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 30.136 ha., including this mine.

The case was presented by the PP and their consultant, in the the DFO, letter vide no. 1994 dated 01.10.2015 forest area is at a distance of approx. <250 meters from the lease boundary, for which PP has obtained approval from Divisional Commissioner Level Forest Committee, meeting held on 20.12.2017. Committee after deliberation decided that being it's a case Stone Quarry with total area of 30.136 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:-

- Habitation at NE side about <250 m, protection plan shall be submit with EIA.
- CER shall also incorporate awareness/ training activities including distribution of masks, sanitizers, mass sanitization programme in the project affected villages' w.r.t. COVID-19 pandemic.
- Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
- Input data of modeling should be addressed in EIA along with this all back up calculation.
- Onsite pictures of monitoring and survey should be attached with the EIA report.
- Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.



**17. Case No 7306/2020 M/s Bundelkhand Patthar Udhog, Shri Ashok Rawat, Thakur Baba, Colony, Chandmari Civil Line, Tehsil & District Lalitpur (UP)-477001 Prior Environment Clearance for approval of Flag Stone Quarry in an area of 2.00 ha. (6000 cum per annum) (Khasra No. 873, 911/2, 911/1, 1038/872/2, 882/2, 908, 910, 875, 872) at Village- vikrampur, Tehsil- Chanderi, District- Ashoknagar(MP)**

This is case of Flag Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 873, 911/2, 911/1, 1038/872/2, 882/2, 908, 910, 875, 872) at Village- vikrampur, Tehsil- Chanderi, District- Ashoknagar(MP) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. Q dated 20/12/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant, as per Google image based on coordinates provided by PP, it was observed that 07 trees are existing within lease PP also submits that no trees felling is proposed. Moreover, it is a Flagstone Quarry and no blasting is proposed. Mining shall be through Opencast Semi Mechanized Method. The EMP 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 Flagstone 6,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 10.221 Lakh as capital and Rs. 1.921 Lakh/year. Under CER Rs. 01.50 Lakh/ year has proposed.

**18. Case No 7307/2020 Shri Ashish Pathak S/o Shri Ramesh Pathak R/o Ward No. 07, Satai, Tehsil Bajawar, district Chhatarpur (MP) Prior Environment Clearance for approval of Murrum Quarry in an area of 4.00 ha. (20,000 cum per annum) at (Khasra No. 23) at Village- Puchhi, Tehsil- Chhatarpur, District- Chhatarpur (MP)**

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 23) at Village- Puchhi, Tehsil- Chhatarpur,

District- Chhatarpur (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 575 dated 17/3/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The lease is lies on the ridge of the small hillock and no blasting is proposed. During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed-

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Huge Water body	>250	North-west	Provision of Garland drain & settling tanks.

After presentation the committee asked to submit following details:

- Revised EMP as suggested by committee.
- Revised CER as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 06.07.20202020, 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 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 20,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 13.434 Lakh as capital and Rs. 2.87 Lakh/year and under CER Rs. 02.50 Lakh is proposed.

**19. Case No 7308/2020 Shri Autar Singh S/o Mr. Kani Ram Singh R/o Village – Mohali, Post – Champaner, Tehsil – Goharganj, Distt. Raisen Prior Environment Clearance for approval of Stone Quarry in an area of 2.0 ha. (14112 cum per annum) at Khasra No. 376/1 at Village Kamton Kansiya, Tehsil-Goharganj, Distt. Raisen (M.P.)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 23) at Khasra No. 376/1 at Village Kamton Kansiya, Tehsil-Goharganj, Distt. Raisen (M.P.) 2.0 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. 1987 dated 23/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, within 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	>50	East	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Dug well	just vicinity		PP will left 20 meters from the dug well as no mining area.

PP stated that it is new green field mine and no blasting is proposed only rock breaker shall be used. It has also observed that a Dug well at just vicinity of the lease in the south side of the lease. After presentation the committee asked to submit following details:

- PP commitment that 20 meters area to be left from the well as no mining area.
- Revised plantation.
- Revised EMP as suggested during presentation.
- Revised CER- incorporate awareness/ training activities including of distribution of masks, sanitizers and mass sanitization programme in the project affected villages' w.r.t. COVID-19 pandemic.

PP has submitted the response of above quarries same date vide letter dated 06.07.2020, 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 14,112 cum/annum.
2. Setback of 20 meter to be left from the dug well as no- mining area.
3. A budgetary provision for Environmental management Plan of Rs.15.05 Lakh as capital and Rs. 01.90 Lakh/year and under CSR Rs. 02.50 Lakh/years has proposed.

**20. Case No 7309/2020 Shri Kapil Patel S/o Shri Sewaram Patel R/o ward No. 3 Avantika Colony, Distt. Raisen (M.P.) Prior Environment Clearance for approval of Flag Stone Quarry in an area of 1.0 ha. (2100 cum/year) at Khasra No. 7,8/3/1 at Village – Navli Tehsil – Raisen, Distt. Raisen (M.P.)**

This is case of Flag Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at at Khasra No. 7,8/3/1 at Village – Navli Tehsil – Raisen, Distt. Raisen (M.P.) 1.0 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. 1776 dated 20/3/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.421 ha., including this mine.

The case was presented by PP and their consultant, wherein PP submits that since it is a Flagstone Quarry no blasting is proposed. Mining shall be through Opencast Semi Mechanized Method. Also 01 tree is existing in the south boundary of the lease. After presentation the committee asked to submit following details:

- Blasting parameters.
- Tree inventory.
- Lease agreement.
- Revised CER incorporate awareness/ training & activities including of distribution of masks, sanitizers in the project affected villages' w.r.t. COVID-19 pandemic and

development of grazing land in first year and school infrastructure/ Community hall maintenance from second year onwards.

PP has submitted the response of above quarries same date vide letter dated 06.07.2020 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 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 Flagstone 2,100 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 11.79 Lakh as capital and Rs. 1.34 Lakh/year. Under CER Rs. 0.75 Lakh/ year is proposed.

**21. Case No 7310/2020 Shri Sanjay Sharma S/o Shri Gopal Sharma R/o Gorakhpur Tehsil Nasrullaganj, Distt. Sehore Prior Environment Clearance for approval of Stone Quarry in an area of 3.0 ha. (25,000 cum/Year) at Khasra No. 121/1/1/0002/121/1/2/1, 121/2/1,122 at Village – Gorakhpur, Tehsil Nasrullaganj, Distt. Sehore (M.P.)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at at Khasra No. 121/1/1/0002/121/1/2/1, 121/2/1,122 at Village – Gorakhpur, Tehsil Nasrullaganj, Distt. Sehore (M.P.) 3.0 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 (Ekal Praman-Patr) letter no. 2668 dated 17/2/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.214 ha., including this mine.

During presentation as per Google image based on coordinates provided by PP, within 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>
Kachcha Road	>50	North	-
04 Trees	Within lease	Eastern side	Tree falling is proposed. PP will take

			permission from competent authority and 40 trees shall be additional planted.
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PP also submitted that the lease is lies on the green field . After presentation the committee asked to submit following details:

- Inventory of the trees existing within lease.
- Transportation details.
- Blasting parameters.
- Revised CER incorporate awareness/ training & activities including of distribution of masks, sanitizers in the project affected villages' w.r.t. COVID-19 pandemic and development of grazing land in first year and school infrastructure/ Community hall maintenance from second year onwards.

PP has submitted the response of above quarries same date vide letter dated 06.07.2020 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 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/annum.
2. A budgetary provision for Environmental management Plan of Rs.15.54 Lakh as capital and Rs. 03.48 Lakh/year and under CSR Rs. 0.60 Lakh/years has proposed.

### **DISCUSSION BASED ON QUERY REPLY SUBMITTED BY PP/ PENDING SINCE LONG**

#### **22. Case No. – 6568/2019 Shri Surendra Pratap Singh S/o Late Shri Prem Kumar Singh, R/o Near Manas Bhawan, Kotarkala, Dist. Sidhi, MP. Prior Environment Clearance for Stone Quarry in an area of 8.00 ha. (2,00,000 cum per annum) (Khasra No. 4/2 Parts), Village - Darbari, Tehsil - Chitarangi, Dist. Singrauli (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 4/2 Parts), Village - Darbari, Tehsil - Chitarangi, Dist. Singrauli (MP) 8.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar's Office letter No.2080 dated: 15/06/2018 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. During presentation and appraisal of the case through Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

- That the lease area is falling on the hillock and this hillock where lease area is falling is having height of approximately 43 meters from the surface (Highest elevation 430 m & Lowest elevation 397 m )
- Also to carry out mining of stone is in such a peculiar situation where gradient is to high involve lots of risks.
- Committee opinion that, in this area serious issue of slope stability and deployment of men and machine, slight careless may threat to life of labors.
- Apprx. 30 trees are in existence within the lease.

Thus committee after deliberations decided to carryout site visit by a sub-committee of this mine considering existence of trees in the QL & where the height of hill is approx. 43 meters and TOR will be recommended after the site visit report.

In the SEAC- 432nd meeting dated 18/05/2020, committee has taken decision w.r.t. to in certain cases considering the environmental sensitivity hence, site visits were proposed by SEAC to verify facts and take suitable decisions for their appraisal. In view of the outbreak of Corona Virus (COVID 19) and subsequent lockdown declared for its control it is not possible to carry out these proposed site visits and may cause delay in deciding the cases. Thus it was decide by committee in this meeting that the cases where site visits were proposed concerned PPs shall submit relevant information in the form of drone videography or protection plan.

PP has submitted the response of above information raised in the SEAC- 432nd meeting dated 18/05/2020 vide dated letter dated 01/07/20:

- Revised surface plan
- Site photographs showing soil depth etc.
- Google Image etc.
- PP's commitment that no tree failing is proposed.

The case was placed before the committee for query discussion wherein committee observed that PP has submitted the revised map leaving area occupied by tree as non mining area. The committee after deliberation decided that, being it's a case Stone Quarry with total area of 8.0 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:-

- Slope stability study as the lease area is falling on the hillock where having height of approximately 43 meters from the surface (Highest elevation 430 m & Lowest elevation 397 m).
- Inventory of the trees with girth details & PP's commitment that no tree failing is proposed.

**23. Case No. – 6379/2019 Shri Priyansh Tekam S/o Shri Laxman Singh Tekam, Rani Durgawati Ward, Tehsil & Dist. Seoni, MP – 480661 Prior Environment Clearance for Metal Stone Quarry in an area of 3.00 ha. (50,000 cum per annum) (Khasra No. 43), Village - Radhadehi, Tehsil - Seoni, Dist. Seoni (MP).**

This is case of Metal Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 43), Village - Radhadehi, Tehsil - Seoni, Dist. Seoni (MP) 3.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1865 dated: 09/01/18 has reported that there is 01 more mine operating or proposed within 500 meters around the said mine total area of 4.00 ha., including this mine.

Earlier this case was presented by PP and their consultant in 386<sup>th</sup> SEAC meeting dated 06/08/2019, wherein as per Google image based on coordinates provided by PP it was recorded that the lease is fully covered with number of trees and a Kachcha road is crossing the lease. Committee after deliberation decided that PP should provide inventory of trees, its number, species, & its Girth enumeration with photographs. After presentation it was decided that this case is differed till the submission of above documents.



The case was scheduled for the presentation in 400<sup>th</sup> SEAC meeting dated 31/10/2019 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The case was scheduled for the query reply presentation in SEAC 407<sup>th</sup> meeting dated 26/11/2019 but the Project Proponent (PP) was not present to explain the query. However, committee scrutinize that reply and photographs submitted by PP and observed that as per the inventory submitted out of total 30 trees there are 20 trees in the lease having girth > 20 cms. After deliberations committee decide to carryout site visit of the area for further consideration of the case.

In the SEAC- 432<sup>nd</sup> meeting dated 18/05/2020, committee has taken decision w.r.t. to in certain cases considering the environmental sensitivity hence, site visits were proposed by SEAC to verify facts and take suitable decisions for their appraisal. In view of the outbreak of Corona Virus (COVID 19) and subsequent lockdown declared for its control it is not possible to carry out these proposed site visits and may cause delay in deciding the cases. Thus it was decide by committee in this meeting that the cases where site visits were proposed concerned PPs shall submit relevant information in the form of drone videography or protection plan.

PP has submitted the response of above information raised in the SEAC- 432nd meeting dated 18/05/2020 vide dated letter 04/07/20:

- Revised surface plan.
- Tree inventory.
- Site photographs.
- Revised EMP corresponding to the additional plantation budget.

The case was placed before the committee for query discussion wherein committee observed that PP has submitted the revised map leaving area occupied by tree as non mining area. Further PP has informed that 25 trees will be uprooted for which additional 250 trees will be planted. Committee deliberated and suggested that these additional trees shall be planted in the non mining area declared by PP. PP further submitted that they have proposed additional budget in EMP for additional 250 plants. The response of above queries was found suitable and acceptable and EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case

for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 50,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.18.09 Lakh as capital and Rs. 03.19 Lakh/year and under CSR Rs. 01.50 Lakh/years has proposed.

**24. Case No. – 6704/2019 Smt. Kanchan Devi Vais, Village - Shivpurwa, Post - Misirgawan, Dist. Singrauli, MP – 457661 Prior Environment Clearance for Stone Quarry in an area of 4.25 ha. (30,164 cum per annum) (Khasra No. 395 (Part)), Village - Naugai, Tehsil - Chitrangi, Dist. Singrauli, (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 395 (Part)), Village - Naugai, Tehsil - Chitrangi, Dist. Singrauli, (MP) 4.25 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. 60 dated: 12/02/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, wherein during presentation as per Google image based on coordinates provided by PP, it was observed by committee that on two parts (eastern and western) of the lease is covered by trees. PP submitted that these are "Sendha" trees and eastern side of the lease is declared as non-mining area. Also, Tehsildar letter in his Ekal Praman Patra (issued vide letter no 2350 dated 24/07/2018) has mentioned that 120 trees of "Sendha" are in existence on the lease. Committee after deliberations decided to carry-out site visit for further consideration of this case.

In the SEAC- 432nd meeting dated 18/05/2020, committee has taken decision w.r.t. to in certain cases considering the environmental sensitivity hence, site visits were proposed by SEAC to verify facts and take suitable decisions for their appraisal. In view of the outbreak of Corona Virus (COVID 19) and subsequent lockdown declared for its control it is not possible to carry out these proposed site visits and may cause delay in deciding the cases. Thus it was decide by

committee in this meeting that the cases where site visits were proposed concerned PPs shall submit relevant information in the form of drone videography or protection plan.

PP has submitted the response of above information raised in the SEAC- 412<sup>nd</sup> meeting dated 09/12/19 vide dated letter 06.07.20 as follows -

- Revised surface plan & production map.
- Site photographs.
- Google Image showing no mining area.
- PP's commitment that no tree felling is proposed.

The case was placed before the committee for query discussion wherein committee observed that PP submitted that out of total sanctioned area 4.25 ha., 1.29 ha will be left as non mining area due to existence of trees and mining will be carried out in only 2.96 area. PP further submitted that 22 trees which are proposed for felling against this 220 trees will additional plant. The response of above queries was found suitable and acceptable and EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 30,164 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 7.77 Lakh as capital and Rs. 6.98 Lakh/year and under CER Rs. 0.60 Lakh has proposed.

**25. Case No 6949/2020 Shri Bhagchand Nebhnani S/o Shri Manakchand Nebhnani, R/o 109, Padam Nagar, Dist. Khandwa, MP Prior Environment Clearance for Stone Quarry in an area of 2.250 ha. (40000 cum per annum) (Khasra No. 138), Village - Saktapur, Tehsil - Harsud, Dist. Khandwa (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 138), Village - Saktapur, Tehsil - Harsud, Dist. Khandwa (MP) 2.250 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. 9594 dated: 29/5/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation in the 433 SEAC meeting dated 19-05-20 as per Google image based on coordinates provided by PP, within 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>
Kachcha Road	60 & 60	West & East	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.

During presentation it was observed from the Google image that a trench cutting is done for laying of pipeline which is passing through the lease for which PP was unable to provide any details. After presentation the committee asked to submit following details:

- Details about trench like structure passing from the lease and its photographs.
- Commitment from PP that they will be sowing of prosopis seeds on garland drain soil to protect top soil.
- Revised CER- incorporate awareness/ training activities including of distribution of masks, sanitizers and mass sanitization programme in the project affected villages' w.r.t. COVID-19 pandemic.

PP has submitted the response of above quarries same date vide letter dated 01/07/20 by which PP has submitted query reply 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 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 40,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 7.48 Lakh as capital and Rs. 3.73 Lakh/year and under CER Rs. 01.05 Lakh has proposed.

26. **Case No. - 6705/2018 Shri Subhash Patil, Office of Divisional Project Engineer, Project Implementation Unit, at Public Works Department, Dist. Satna,(M.P.), Prior Environment Clearance for Proposed 150 admissions medical college & hospital (Plot Area - 177638.598 sqm, Built up Area - 84096.575 sqm) at Village - Kirpalpur, Tehsil - Raghuraj Nagar, Dist.- Satna,(M.P.) Cat. 8(a) Building & Construction Project Env. Con. – Amaltas Enviro Industrial Consultant.**

This is case of Prior Environment Clearance for Construction of Proposed 150 admissions medical college & hospital (Plot Area - 177638.598 sqm, Built up Area - 84096.575 sqm) at Village - Kirpalpur, Tehsil - Raghuraj Nagar, Dist.- Satna,(M.P.),. hence requires prior EC from SEIAA before initiation of activity at site. The application was forwarded by SEIAA to SEAC for scoping so as to carry out EIA and prepare EMP for the project.

The case was presented by the PP and their consultant in 413<sup>th</sup> SEAC meeting dated 10/12/2019 during presentation following basic details was provided by the PP.

- Proposed 150 Admissions Medical College and Hospital at Satna, Madhya Pradesh.
- Total Plot area is 1,77,638.598 m<sup>2</sup> (43.89 Acres). The built up area of the project is 84,096.575 m<sup>2</sup>.
- Site is well connected to transport facilities. Proposed site is adjacent to Kushwaha road in north and having central jail road in its south.
- The proposed site is having residential as well as hospital block in planning however, currently development shall take place under phase-I having residential and college facility
- Since, the total plot area of the project is less than 50 hectares, it is categorized as 8(a) project, under the EIA Notification, 2006 and requires environmental clearance from the SEIAA, MP.

Particulars	Details
Name of the Project	Proposed 150 Admissions Medical College and Hospital at Satna, MP
S. No. in the schedule	8(a)
Total Plot Area	1,77,638.598m <sup>2</sup>
Total Built Up Area	84,096.575 m <sup>2</sup>
Cost of Project	230 Crores

Expected Population	16,364
Total Water Requirement	937 KLD
Total Fresh Water Demand and source	Municipal Authority 564 KLD
Recycled Water	373 KLD
STP Capacity and Technology	830 KLD & FAB; ETP 50 KLD
No. of Proposed RWH Pits	43 Pits
Parking Proposed	654 ECS
Solid Waste Generation	4,476 kg/day
Total Power Requirement	600 kVA; Madhya Pradesh Poorv Kshetra Vidyut Vitaran Company Ltd.
Power Back up	1 x 125 KVA, 415V radiator cooled DG set in acoustic enclosure

- Total green area proposed for project is 43,452.93 m<sup>2</sup> (24.46% of plot area). A combination of evergreen and ornamental, palms, shrubs and ground covers planted along the sides of the road and in open space and set back area within the complex layout.
- Landscaping is an important element in altering the microclimate of the place. Proper landscaping reduces direct sun from striking the buildings and heating up building surfaces, prevents reflected light carrying heat into a building from the ground or surfaces, creates different air flow patterns and can be used to direct or divert the wind advantageously by causing a pressure difference. Shade created by trees & the effects of grass & shrubs reduce air temperature adjoining the building and provide evaporative cooling.

During presentation as per Google image based on coordinates provided by PP, committee observed following features:

The satellite map of the area showed by the PP shows a residential colony within the periphery of project area in the North –West side. PP stated that its residential colony developed by Housing Board and a Kandriya Vidyalaya (Central School) which is in operational mode situated in just vicinity of the site. (South – East corner) Moreover canal is passing from the North to south direction which is about 160 meters from the site. In the presentation PP showed total Plot area as 1,77,638.598 m<sup>2</sup> (i.e. 43.89 Acres) while PP stated that actual area where this project is proposed is 37.72 acre . The PP stated that the residential colony developed by Housing Board is not the part of this project. After presentation committee asked to PP to submit following details:

- Revised Form –I, disclosing exact project area and other details as discussed during presentation.
- Entire coordinates of the project showing actual project boundary.
- Lay-out and detailed drawing on large scale map of the project shall be submitted by PP.
- Mitigation measures to be adopted during construction phase considering Kandriya Vidyalaya and a residential colony.
- Inventory of the trees located in the plot and permission if any tree felling is proposed.
- Undertaking that no R&R involve in this project.
- Undertaking that no excavation done so far, for this project

PP vide letter dated 09/01/2020 has submitted the revised Form-I which was forwarded through SEIAA vide letter no 4275 dated 05/02/2020 which was placed before committee.

Based on above submission this case was placed before committee for presentation and discussion of query raised in 413<sup>th</sup> SEAC meeting dated 10/12/2019, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

In the 428 SEAC meeting dated 29-02-20, PP and their consultant presented the query reply presentation rose in the 413<sup>th</sup> SEAC meeting dated 10/12/2019. PP submitted that:

- Proposed 150 Admissions Medical College and Hospital at Satna, Madhya Pradesh.
- Total Plot area is 1,87,733.70 m<sup>2</sup> (46.39 Acres). The built up area of the project is 84,096.575 m<sup>2</sup>.
- The proposed site is having residential as well as hospital block in planning however, currently development shall take place under phase-I having residential and college facility
- Since, the total plot area of the project is less than 50 ha. it is categorized as 8(a) project, under the EIA Notification, 2006 and requires environmental clearance from the SEIAA, MP.

PP submitted that only Medical College building is proposed in the Phase - I and hospital is proposed in the next phase for which separate EC will be taken. The residential building and Kendriya Vidyalaya are not the part of this project. PP further stated that there is no R& R issues are involved. However structures are situated within the project area for which PP (Project Implementation Unit, at Public Works Department, Distt. Satna) submitted that

these are unauthorized houses and they have written a letter to the District Collectorate's Revenue Department for relocation of such structures. PP submitted that District administration has ordered for their relocation and they will submit the copy of the order issued by District administration. Moreover PP said these structures will be dismantled in future for which separate EC will be taken. After presentation committee asked PP to submit following information for further consideration of the project.

1. PP will submit relocation order/R&R plan regarding shifting of some houses falling within the project area. PP during presentation submitted that these are unauthorized encroachments.
2. Quantification of excavated soil and its disposal and management plan.
3. A map showing proposed lay out plan (structures) on Google image to verify that proposed structures are not falling on any existing green area. PP shall also submit a commitment that no tree felling is involved in this proposed project.
4. Commitment that intensive plantation shall be carried out around the boundary wall of the Kendriya Vidyalaya in the upcoming monsoon season to act as a curtain wall during construction activity.
5. Component- wise drawing and design of proposed STP of 830 KLD based on FAB technology.
6. Commitment that MS sheets will be erected to protect dust particles during construction phase (during loading and un-loading of construction material) particularly towards Kendriya Vidyalaya side.

PP vide letter dated 20.05.2020 has submitted the revised details which was placed before the committee. After deliberation and submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Proposed 150 admissions Medical College & hospital (Plot Area 1, 87,733.70 sqm, Built up Area – 84,096.575 sqm) at Village - Kirpalpur, Tehsil - Raghuraj Nagar, Dist.- Satna,(M.P.) Cat. 8(a) Building & Construction Project Cat. 8(a) subject to the following special conditions:

### **Statutory Compliance**

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightning etc.



- iii. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.
- iv. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- v. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- vi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- vii. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- viii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.
- ix. The project area shall be secure through boundary wall and excavated top soil shall not be used in filling of low lying area. The top soil shall be used for greenery development.

## **II. Air Quality Monitoring and preservation**

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF & CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. 01 Diesel power generating sets 125 kVA proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.

- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from DG sets 125 kVA 01 nos shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

### **III. Water quality monitoring and preservation**

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. The total water requirement during operation phase is 937 KLD out of which 564 KLD is fresh water requirement and 373 KLD will be the total recycled water generated, out of which 241 KLD recycled water will be used for flushing and 130 KLD water will be used for horticulture.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.

- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total fires water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. For rainwater harvesting, 43 recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits about 240.46 m<sup>3</sup>/hr . Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xiv. The RWH will be initially done only from the roof top. Runoff from green and other open areas will be done only after permission from CGWB.
- xv. All recharge should be limited to shallow aquifer.
- xvi. No ground water shall be used during construction phase of the project.
- xvii. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xviii. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The recorded shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring report.

- xix. Sewage shall be treated in the FAB based STP (Capacity – **830 KLD** . The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xx. The waste water generated from the project shall be treated in STP of 830 KLD capacity (based on FAB based technology) and then reused for various purposes. No water body or drainage channels are getting affected in the study area because of this project.
- xxi. No sewage or untreated effluent water would be discharged through storm water drains.
- xxii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxiii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

#### **IV. Noise monitoring and prevention**

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

#### **V. Energy Conservation measures.**

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured, Building in the State which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.

- iv. Energy Conservation measures like installation of CFLs/LED's for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v. Solar, wind or other renewable energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level /local building bye-laws requirement, which is higher.
- vi. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

## **VI. Waste Management**

- i. Total waste 4476 Kg/day, this consist all types of wastes (as Organic waste 2686 Kg/day and non - organic waste 1342.8 Kg/day), Inert waste 447.6Kg/day, E- waste 2-3 Kg/Annum , and these all type of waste shall be treated/ disposed off as per provision made in the MSW Rules 2016.
- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (0.4 ton/day) shall be segregated into wet garbage and inert materials.
- v. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.

- viii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

## **VII. Green Cover**

- i. Total 1180 trees shall be planted in the area of 43,452.930 m<sup>2</sup> (24.46 % of total plot area) which is developed as greenbelt development.
- ii. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iv. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- v. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stock piled appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

## **VIII Transport**

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.
  - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
  - b. Traffic calming measures.
  - c. Proper design of entry and exit points

**d. Parking norms as per local regulation**

- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Total proposed Parking's arrangement for 654 ECS (in which 0ECS for Basement parking , 122 for ECS for Silt parking and 532 for open parking).
- iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

**IX. Human health issues**

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implementation.
- iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile, STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

**X. Corporation Environment Responsibility**

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated: 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The Environmental policy should prescribe for standard operating procedures to have proper checks and balance and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined

system of reporting infringements/deviation/violation of the Environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six monthly reports.

- iii. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. 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.
- v. For Environment Management Plan PP has proposed Rs. 180.5 Lakhs as capital and Rs. 39.0 Lakhs as recurring cost for this project.
- vi. For this project PP has proposed Rs 345.0 Lakhs as Corporate Environment Responsibility (CER) for remaining project component.

## **XI. Miscellaneous**

- I. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.
- II. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the State Expert Appraisal Committee (SEAC)
- III. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- IV. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- V. 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.



27. **Case No. - 5835/2019 M/s Rusan Pharma Ltd, Rusan House, 58-D, Government Industrial Estate, Charkop, Kandivali, Mumbai – 400067 Prior Environment Clearance for Proposed API Drug Manufacturing Plant at Plot No. M-21, Pithampur Industrial Area, Special Economic Zone, Phase-II, Pithampur, Dhar (MP). Capacity – 61,865 Kg/Year. Total Plot area- 24290.00 sqm Cat. - 5(f) Project Synthetic Organic Chemicals Industry (Bulk Drug). Env. Con. – SMS Enviro Care Ltd. Indore (M.P.).**

This is a case Prior Environment Clearance for Proposed API Drug Manufacturing Plant by Rusan Pharma Ltd. at Plot No. M-21, Pithampur Industrial Area, Special Economic Zone, Phase-II, Pithampur, Dhar (M.P.) Capacity – 61,865 Kg/Year. Total Ploty area- 24290.00 sqm. 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 390<sup>th</sup> SEAC meeting dated 10/08/2019 wherein TOR was recommended.

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

**Salient features of the project:**

The case was earlier presented by the PP and their consultant in 252<sup>nd</sup> SEAC meeting dated 18/03/2019 wherein the Google image twosensitive features were observed, as existence of water body and tree in the allotted area hence, after deliberations committee has decided to carryout site inspection by a sub-committee of SEAC for confirmation of above issues. Accordingly site visit was conducted on 27/07.2019. In the SEAC 390<sup>th</sup> meeting dated 10/08/2019, the site visit report and recommendations made by sub-committee were submitted before SEAC committee. The committee after deliberations decided that as suggested by sub-committee with additional ToR as stipulated by MoEFCC may be issued. Subsequently ToR Letter was issued from SEAC on dated 11/09/2019. Baseline Environmental Studies was conducted 1<sup>st</sup> March 2019 to 31<sup>st</sup> May, 2019. PP has submitted EIA vide letter dated 18/05/2020.

PP and their consultant presented the EIA before the committee on 434<sup>th</sup> SEAC Committee meeting dated 20/05/2020; during discussion following details of this project was submitted by the PP:

Sr. No.	Particulars	Details
A	PROJECT DETAILS	
1.	Name of Project	Proposed API Drugs Manufacturing Plant by M/s. RUSAN PHARMA LTD.
2.	Location of Project	Plot No. M-21, Pithampur Industrial Area, Special Economic Zone, Phase-II, Pithampur -

Sr. No.	Particulars	Details		
		454775, Dist. Dhar, Madhya Pradesh.		
3.	Category as per EIA Notification 2006	Category 5 (f) “Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates) as per EIA Notification, 2006.		
4.	Project Proponent	Rusan Pharma Ltd.		
5.	Products	Sr. No.	Product	Annual Capacity (in kg)
		1	Buprenorphine Hydrochloride	750.00
		2	Buprenorphine	50.00
		3	Eflornithine Hydrochloride	40000.00
		4	Bisoprolol Fumarate	6000.00
		5	Tramadol Hydrochlorside	1000.00
		6	Promedol Hydrochloride	50.00
		7	Naltrexone Hydrochloride	500.00
		8	Naloxone Hydrochloride	5000.00
		9	Nalbuphine Hydrochloride	750.00
		10	Apomorphine Hydrochloride	500.00
		11	Fentanyl Base / Citrate	15.00
		12	Methadone Hydrochloride	7000.00
		13	Nalmefene Hydrochloride	250.00
		Total		61865.00
6.	Area requirement	24290.00 Sq.m	Allotted by MPAKVN in Pithampur SEZ Phase II	
7.	Water Requirement	86.0 CMD	MPAKVN	
8.	Power Requirement	1500 KVA. 2 nos. of D.G. Sets of 750 KVA	MP Paschim Kshetra Vidhyut Vitran Co. Ltd. In Case of Emergency	
9.	Manpower Requirement	Direct: 100 workers Indirect employment will be generate	Maximum workers will be appointed from local based on educational and technical skills.	
10.	Cost of Project	50.0 Crore		
11.	Industrial around 10 Km radius area	<ul style="list-style-type: none"><li>• Ipca Laboratories Limited</li><li>• Felix Generics Pvt.Ltd</li><li>• Glenmark Pharmaceutical’s Limited</li><li>• Symbiotic Pharma labs Limited</li><li>• Cipla Limited</li><li>• ACG-Associate capsule Pvt. Limited</li><li>• Ajanta pharma limited</li><li>• Macleods pharmaceutical’s limited</li><li>• Lupin Limited</li></ul>		
B	ENVIRONMENTAL SETTING			
12.	Latitude	22°37'41.32"N		
13.	Longitude	75°37'47.05"E		
14.	Elevation above MSL	567 m		
15.	Toposheet No.	46 N / 10 of Sol		
16.	Present land use at the location	Industrial Area		

Sr. No.	Particulars	Details
17.	Nearest Village	Kheda (2.3 km, S)
18.	Nearest Town/City	City: Indore (20 km NE)
19.	Nearest Railway Station	Indore Railway Station (27 km, NE)
20.	Nearest Highway	MP-SH 39 (0.3 km, SWS)
21.	Nearest Airport	Devi Ahilyabai Holkar International Airport, Indore (20 km, NE)
22.	Nearest Water Body	Sanjay Jalashay (6.0 km in SE) Pond Near Betma Khurd (5.86 km in NNE)
23.	Historical/ Archaeological Places	Not Present within 10 km radius
24.	National Park/ Wild life Sanctuary	Not present within 10 km radius Remark: Betma Reserve Forest, 3.0 Km, NE Direction
25.	Seismic Zone	Zone-III

During presentation it was informed by PP that ATFD is proposed after MEE and the unit will be “Zero Liquid Discharge”. It was also observed that HAZOP Study is not discussed in the presentation for which PP submitted that they have carried out the HAZOP study and same has been detailed out in the EIA. After detail discussion and deliberation the PP was asked to it submit the following information:

- i. PP commitment that ZLD shall be maintained.
- ii. PP commitment that 33% (8015.7 Sq.m) area shall be kept as green area.
- iii. PP commitment that Boiler will be used as gas fired based as unit is located in SEZ where gas supply is available.
- iv. PP commitment for minimum 95% Solvent recovery.
- v. ATFD shall be proposed after MEE in process and complete lay out shall be submitted.
- vi. Revised CER considering activities related to COVID-19.
- vii. Revised EMP as suggested by committee.

SEIAA vide letter no. 1543 dated 02.07.2020 forwarded PP reply vide letter dated 22/05/2020 . PP submitted reply of the above query. The query reply was discussed and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Proposed API Drug Manufacturing Plant at Plot No. M-21, Pithampur Industrial Area, Special Economic Zone, Phase-II, Pithampur, Dhar (MP). Capacity – 61,865 Kg/Year. Total Plot area- 24290.00 sqm\_in Category 5 (f) “Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates) and under “B2” Category as per MoEFCC, SO No. 1223 (E) dated 27<sup>th</sup> March, 2020.

<b>List of Products &amp; Capacity (TPA)</b>
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<b>Sr. no.</b>	<b>Product Name</b>	<b>Proposed Qty. to be manufactured (Kg/A)</b>
1	Buprenorphine Hydrochloride	750.00
2	Buprenorphine	50.00
3	Eflornithine Hydrochloride	40000.00
4	Bisoprolol Fumarate	6000.00
5	Tramadol Hydrochloride	1000.00
6	Promedol Hydrochloride	50.00
7	Naltrexone Hydrochloride	500.00
8	Naloxone Hydrochloride	5000.00
9	Nalbuphine Hydrochloride	750.00
10	Apomorphine Hydrochloride	500.00
11	Fentanyl Base / Citrate	15.00
12	Methadone Hydrochloride	7000.00
13	Nalmefene Hydrochloride	250.00
	<b>Total</b>	<b>61865.00 Kg/year</b>

**(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 & permission of competent authority if ant tree falling is to be carriedout.
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. 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.
2. 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.

3. The project proponent shall install system to carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released e.g. PM10 and PM2.5 in reference to PM emission and SO<sub>2</sub> and NO<sub>x</sub> in reference to SO<sub>2</sub> and NO<sub>x</sub> emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each) covering upwind and downwind directions.
4. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions from the boiler, DG set and scrubber shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
5. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
6. The DG sets (2X750 KVA= 1500 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.
7. DG exhaust will be discharged at height stipulated by CPCB.
8. 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.
9. 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. Total water requirement will be 86.0 kl/day. The water required for the proposed activity will be fulfilled by the MPAKVN Pithampur Industrial Area, Pithampur -454775, Dist. Dhar, Madhya Pradesh. Effluent will be segregated at source based on TDS and COD value. High COD and high TDS effluent stream will be treated in MEE followed by the 25 KLD capacity ETP, and low COD and low TDS effluent stream will be treated directly in ETP. Treated water from the ETP plant will be used in gardening which reduces the fresh water requirement from

86.0 KLD to 70.0 KLD. The effluent treatment plant designed so low COD and low TDS effluent stream directly treat in 25 KLD ETP while High COD and high TDS effluent stream will first treated in 1.0 kl/hr capacity Multiple Effective Evaporator (MEE) and condensate of the MEE will be further treated in ETP.

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 86.0 KLD and as proposed MPAKVN shall provide the fresh water.
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 1500 (2X750)KVA DG set 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 requirement for this project will be 1500 KVA. Power supply shall be taken from the MP PaschimKshetraVidhyutVitrان Co. Ltd.

**(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 CHWTSDF, Madhya Pradesh Waste Management Project (MPWMP), Plot No. 104, Sector-III, Pithampur, District Dhar MP.
3. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
4. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
5. 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.
6. 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.
7. 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.
8. 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.
9. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
10. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
11. 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.
12. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
13. 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.

14. The company shall undertake waste minimization measures as below:
- Metering and control of quantities of active ingredients to minimize waste.
  - Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
  - Use of automated filling to minimize spillage.
  - Use of Close Feed system into batch reactors.
  - Venting equipment through vapour recovery system.
  - Use of high pressure hoses for equipment clearing to reduce wastewater generation.

**(G) Green Belt**

- Out of 24290.00 Sq. Mtr. area, 8015.7 sq. meter (33%) area will be covered with the good green belt and 600 trees (Tree-350 & Shrubs-250) will be planted. The green belt of 5-10 m width will be developed mainly along the periphery and road side. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department.
- 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. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

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

- Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- 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.
- The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- 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.
- 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) Corporate Environment Responsibility**

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 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.
3. 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.
4. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
5. Total cost of proposed unit will be 50.0 crore. The estimated capital and recurring cost of Environmental Management Plan for is 198.0 Lakhs and 88.0 lakh/year respectively. Rs 7.0 lacs is proposed for green belt development which is include in EMP total cost..
6. Under CER activity, Rs. 125 lacs for Five Years are proposed for different activities.
7. 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.

8. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

#### **J. 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 Trans-boundary 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.

28. **Case No. - 5690/2018 M/s Chugh Realty, 503, Chugh Realty, Scheme No. 54, Orbit Mall, Vijay Nagar, AB Road, Indore, (M.P.) – 452010 Prior Environment Clearance for Residential Project "Grande Exotica" (Total Plot Area: 26660 sqm, Net Planned Area: 26520.0 sqm, Built--up Area: 102251.3 sqm, Built-up Area Constructed : 93124.8 sqm) at Village - Bhicholi Mardana, Tehsil - Indore, Distt. - Indore, (M.P.) Cat. - 8(a) Building and Construction Projects.FoR – Building Construction.Env. Con. – Env. Con. – EQMS, Delhi.**

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14<sup>th</sup> September 2006 and amended to the date) and requires environmental clearance on the basis of Form 1, Form 1A and Conceptual Plan. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. It's a case of Violation Project\_ "Grande Exotica" (Total Plot Area: 26660

sqm, Net Planned Area: 26520.0 sqm, Built-up Area: 102251.3 sqm, Built-up Area Constructed: 93124.8 sqm) at Village - Bhicholi Mardana, Tehsil - Indore, Distt. - Indore, (M.P.).

This case was scheduled in 319<sup>th</sup> SEAC meeting dated 22/06/2018 wherein PP and their consultant were present. During discussion and perusals of the documents it was observed by the committee that the It's a case of Violation. After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8<sup>th</sup> March, 2018 recommends that case may be dealt as per the provisions laid down in this notification and the project may granted Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as a independent chapter in the EIA report by the accredited consultant and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories. The TOR for violation was recommended by the committee. (For details please refer the minutes of 319<sup>th</sup> SEAC meeting dated 22/06/2018). PP has submitted the EIA report vide letter dated 11/02/2019 which was forwarded through SEIAA vide letter no. 2343 dated 21/02/2019.

The case was scheduled in the 347<sup>th</sup> SEAC meeting dated 28-02-19 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 after hearing from PP.

EIA incorporating remediation plan and natural community resource augmentation plan was presented by the PP and their consultant wherein PP submitted that:

**The salient features of the project area as:**

- M/s Chugh Realty has planned a group housing project “Grande Exotica” which is spread over area of 6.59 Acres i.e. 26,660 m<sup>2</sup> located at Village Bhicholi Mardana, Tehsil & District Indore, Madhya Pradesh.
- Chug Realty has joint development agreement with the land owner for carrying out the development of residential project at the site in accordance to the approved plan from T&CP.
- Land belongs to Smt. Rupali W/o Mr. Laxmikant Khemka and Smt. Ritu W/o Neeraj Singhal.

- Approval has been obtained from T&CP, Madhya Pradesh in 2013 for development of the project.
- Project comprises of 8 nos. of residential blocks (S+10), club house, multipurpose hall, green area and other allied facilities and will have built-up area of 102251.3 sq m. Till date 93124.8 sq m of built-up area is constructed.

### **Chronology and Details of Violation**

- Construction has been undertaken at the site in line with the approval obtained from T&CP MP for the project due to unawareness on applicability of EIA Notification, 2006.
- However on learning the applicability, application was submitted to SEIAA, MP for grant of environment clearance in year 2015.
- M/s Chug realty admitted about the construction carried out at the site in first SEAC meeting and SEAC then recommended the project back to SEIAA for appraising project as per MoEF&CC OM 12.12.2012.
- SEIAA however kept the project in abeyance due to issue of draft notification dated 10.05.2016 by MoEF&CC for violation cases.
- The project was then delisted by SEIAA, MP due to issue of final notification SO 804 (E) dated 14.03.2017 and advised us to approach MoEF&CC for grant of environment clearance for the project in accordance to the final notification.
- Application for grant of environment clearance was submitted to MoEF&CC as per MoEF&CC Notification 804 (E) dated 14.03.2017. Thereafter MoEF&CC has issued amendment SO 1030 dated 8th March, 2018 and has directed that Category B projects involving violation will be appraised at State Level and all the category B proposals will be transferred to SEIAA. In view of this MOEF&CC transferred our project to SEIAA, MP on 28<sup>th</sup> March, 2018.
- ToR was granted to the project by SEAC/SEIAA, M.P. vide letter no. 211/PS-MS/MPPCB/SEAC/TOR(319)/2018 dated 10<sup>th</sup> Jul, 2018. EIA for the project was submitted on 21<sup>st</sup> Feb, 2019.

The PP and their consultant presented the the remediations plan and natural community resource augmentation plan. After presentation and discussions it was observed by the committee that the remediations plan and natural community resource augmentation plan submitted by PP needs to be revised as follows:

1. Re-assess the cost of remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation as suggested by the committee. The cost shall be bifurcated in capital and recurring of both the phases as construction & operation phase. It should also be noted that all the compliance shall be supported by documentary proofs, such as bills, CA audit, certificates, photographs etc.
2. An undertaking that
  - ii. The area is developed as per the approved master plan.
  - iii. No tree cutting was carried out during execution of this project.
  - iv. 100 % solid waste generated during construction is reused and no waste /debris are in existence on site at present.
  - v. No issue pertaining to R&R and land ownership is pending.
  - vi. Commitment of PP regarding no tree felling is being done for construction activity.
  - vii. No GW was extracted during construction & operation of project.
7. Utilization- wise Land Use details as per approved T& CP approved layout.
8. PP should obtain NBWL clearance as the site is within 5.93 kms of Ralamandal Abhayaran and submit the copy of application filed for NBWL clearance.
9. Proposed Energy conservation plan.
10. Contour map of the project site with depiction on map that the storm/natural water of surrounding area is flowing according to surface topography.
11. STP's status with photographic proofs.

PP vide their letter dated 13.06.2020 submitted the revised remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation in the tune of suggested guidelines by the committee in the 359 SEAC meeting dated 10-04-2019. The revised plan submitted by PP is as follows-

Remediation Plan								
S. No .	Environme ntal Factors/At tributes	Remedial Plan/ Augmentation Plan	Remedial Cost (in INR)		Environmental Management Plan	EMP Cost (in INR)/year		Remark
			Capital Cost	Recurr ing Cost		Capit al Cost	Recur ring Cost	
1	Land use as per approved Master plan by T&CP, Indore(LU)							

	Constructi on Phase	No Violation	No Violati on	No Violati on	--	--	--	Land use of the project site was agricultural and diversion was obtained for the land for establishment of residential project. Diversion document is attached as <b>Annexure 1</b> . Land use of the site as per Master Plan of Indore, 2021 is Residential. Master Plan of Indore showing project site location is given in <b>Annexure 2</b> .
	Operation Phase	No Violation	No Violati on	No Violati on	--	--	--	
2	<b>Environmental Sensitive places, land acquisition status, resettlement &amp; rehabilitation (R&amp;R)</b>							
	Constructi on Phase	No Violation	No Violati on	No Violati on	--	--	--	Project involves no R&R issues. Land has been purchased from land owners. Land leased documents are given in <b>Annexure 3</b> . Land belongs to Smt. Rupali W/o Mr. LaxmikantKhemka and Smt. Ritu W/o Neeraj Singhal. Chug Realty has joint development agreement with the land owner for carrying out the development of residential project at the site in accordance to the approved plan from T&CP.
	Operation Phase	No Violation	No Violati on	No Violati on	--	--	--	
3	<b>Baseline Environment Monitoring</b>							

<p><b>Constructi on Phase</b></p>	<p>For monitoring of air, water, soil &amp; noise every six month for period of 8 years 1. Water: 4 GW sample @ 5000/sample, 4 SW sample @ 5000/sample 2. Air: 4 Sample @ 5000/sample, DG 2 sample @ 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set 2 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample</p>		<p>137600 0</p>	<p>For monitoring of air, water, soil &amp; noise every six month 1. Water: 4 GW sample @ 5000/sample, 4 SW sample @ 5000/sample 2. Air: 4 Sample @ 5000/sample, DG 2 sample @ 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set 2 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample</p>	<p>--</p>	<p>17200 0</p>	<p>No environment monitoring was done at site. Therefore, cost has been included in Remediation Cost</p>
<p><b>Operation Phase</b></p>	<p>For monitoring of air, water, soil &amp; noise every six month for period of five years 1. Water: 2 GW sample @ 5000/sample, 2 SW sample @ 5000/sample,S TP inlet &amp; outlet water sample @ 10000/sample 2. Air: 2 Sample @ 5000/sample,</p>		<p>585000</p>	<p>For monitoring of air, water, soil &amp; noise every six month 1. Water: 2 GW sample @ 5000/sample, 2 SW sample @ 5000/sample,ST P inlet &amp; outlet water sample @ 10000/sample 2. Air: 2 Sample @ 5000/sample, DG 1 sample @ 5000/sample 3. Noise: 2 sample @ 1000/sample,</p>	<p>--</p>	<p>11700 0</p>	

		DG 1 sample @ 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set 1 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample			DG set 1 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample			
4	<b>Air Environment</b>							
	<b>Construction Phase</b>	Water sprinkling	No Violation	No Violation	Water sprinkling		100000	Water sprinkling was done at site. Bills of water tanker supplier are attached as <b>Annexure 4.</b>
		Water pipeline-200m @ Rs 100/m	20000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		2 Water Tanks of 7500 litre @ Rs. 30000	60000		--	--	--	
		Container for Storage of raw material	30000		--	--	--	
		Green Nets for covering building	No Violation	No Violation	Green Nets for covering building for 10000 sqm area @ Rs 15/sqm	150000	--	Bills of green net are attached as <b>Annexure 5.</b>
		Baricading of construction area i.e.,300m @ Rs 800/ 3m	80000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		100 Face mask @ Rs 100	10000		50 Face mask @ Rs 100	5000	--	Proof is not available, therefore cost is taken in Remediation Cost
		Vehicle Inspection @ 10,000/year for 8 years		80000		--	--	
	<b>Operation Phase</b>	Maintenance of DG set/year through AMC		75000	Maintenance of DG set/year through AMC	--	20000	



		for 5 years @ 15,000/year			@ 15,000/year			
5	<b>Waste Environment</b>							
	<b>Constructi on Phase</b>	15 Dustbin @ Rs 2000/each	30000		5 Dustbin @ Rs 2000/each	10000		Proof is not available, therefore cost is taken in Remediation Cost
		Safety tapes for barricading the waste		5000	Safety tapes for barricading the waste		5000	
		Agency fee for collection & disposal Solid waste for 8 years @ Rs. 500/month		48000	Agency fee for collection & disposal Solid waste every years @ Rs. 500/month		6000	
	<b>Operation Phase</b>	20 Dustbin @ Rs 3000/each	No Violati on	No Violati on	-			Dustbins are provided in the common area. Bills are attached as <b>Annexure 6</b>
		Agency fee for collection & disposal Solid waste for 5 years @ Rs. 1000/month		60000	Agency fee for collection & disposal Solid waste @ Rs. 1000/month	--	12000	Proof is not available, therefore cost is taken in Remediation Cost
		STP sludge disposal	No Violati on	No Violati on	STP sludge disposal	--	--	Sludge is being used for landscaping purpose.
6	<b>Water Environment</b>							
	<b>Constructi on Phase</b>	Ground water abstraction	No Violati on	No Violati on	--	--	--	Water Tanker was used during the construction period. Bills are already attached in <b>Annexure 4.</b>
		Construction of Toilets @ 1 lakh for one Toilet x 2	200000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		Toilet maintenance and cleaning for 8 years @ 1000/month		96000	Toilet maintenance and cleaning for 1 years @ 1000/month	--	12000	

		STP installation	No Violation	No Violation	--	--	--	STP is constructed, Photos are attached as <b>Annexure 7</b>
		Construction of 4 RWH	No Violation	No Violation	Construction of 4 RWH pits	1200000	--	RWH pit is constructed. Photos are attached as <b>Annexure 8.</b>
	<b>Operation Phase</b>	Abstraction of Ground water	No Violation	No Violation	--	--	--	Water is being supplied through Municipal Supply. Bill is attached as <b>Annexure 9.</b>
		STP operation and maintenance @ Rs 10,000/month for 5 years	No Violation	No Violation	STP operation and maintenance @ Rs 10,000/month	--	120000	Bills are attached as <b>Annexure 10.</b>
		Maintenance and cleaning of RWH system @ Rs 20,000/twice in a year for 5 years		100000	Maintenance and cleaning of RWH system @ Rs 20,000/twice in a year	--	20000	Proof is not available, therefore cost is taken in Remediation Cost
		Cleaning and maintenance of water network @ Rs 20,000/twice in a year for 5 years		100000	Cleaning and maintenance of water network @ Rs 20,000/twice in a year	--	20000	
6	<b>Occupational Health and Safety of construction worker</b>							
	<b>Construction Phase</b>	First aid kit at site	50000					Proof is not available, therefore cost is taken in Remediation Cost
		PPE for labour	100000		PPE for labour	50000		
		Health chekup for labour in a year for 50 labour @ 1000/ labour		400000	Health chekup for labour in a year 50labour @ 1000/ labour		50000	
	<b>Operation Phase</b>	--			--	--	--	
7	<b>Ecology Environment</b>							

	<b>Constructi on Phase</b>	Cutting of Trees	No violatio n	No Violati on	--	--	--	No tree was felled. No tree was present on the land. Same is written in Diversion document
		Development of Green Area	No violatio n	No Violati on				Green area has been developed in the project site. Bills are attached as <b>Annexure 11.</b>
	<b>Operation Phase</b>	Maintenance of green area for @ 6000/month for 5 years		360000	Maintenance of green area for @ 6000/month	--	72000	Proof is not available, therefore cost is taken in Remediation Cost
8	<b>Soil Environment</b>							
	<b>Constructi on Phase</b>	Disposal of excavated soil (14562 tonne) @ Rs. 300/ truck of 10 tonne- 50 % soil reused in the project site		218550	--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	<b>Operation Phase</b>	--			--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
9	<b>Noise Environment</b>							
	<b>Constructi on Phase</b>	Site barricading	No Violati on	No Violati on	--	--	--	Cost is taken under Air Remediation
		Ear plugs for labour@ Rs 100/pcs (100 pcs)	10000			--	--	Proof is not available, therefore cost is taken in Remediation Cost
	<b>Operation Phase</b>	Replacement of Vibration pads of DG set (once in five years)	30000		Replacemen t of Vibration pads of DG set	30000		Proof is not available, therefore cost is taken in Remediation Cost
9	<b>Energy Conservation</b>							
	<b>Constructi on Phase</b>	--			--	--	--	
	<b>Operation</b>	Installation of	No	No	--	--	--	Photos are attached as

	Phase	LED	Violati on	Violati on				Annexure 12
		Solar Panel			Installation of Solar street lights (subset of remediation cost)	25000 0		
9	<b>Transportation of Trucks</b>							
	<b>Constructi on Phase</b>	Tarpaulin covers for trucks		50000	--	--	--	It was ensured all trucks carrying construction material were covered.
	<b>Operation Phase</b>	--			--	--	--	
10	<b>Disaster Management Plan</b>							
	<b>Constructi on Phase</b>	Earthquake resistant structure	No Violati on	No Violati on	--	--	--	Already included in cost of project
		Fire fighting system	No Violati on	No Violati on				Fire NOC is obtained which is attached as <b>Annexure 13.</b>
	<b>Operation Phase</b>	Quarterly training@ 2,000/training for 5 years		30000	Quarterly training@ 2,000/traini ng		6000	Cost is taken under remediation
	<b>Total Cost</b>		620000	358355 0		16950 00	732000	
		<b>Remediation Cost (INR)</b>	4203550		<b>Cost of EMP (INR)</b>	2427000		

Expenditure Plan					
Activity	Remark	Total	First Year (INR)	Second Year (INR)	Third Year (INR)
		(INR)			
Environmental Management					
Plantation of Trees along the roadside area	Rs 800/per tree	800000	280000	280000	240000
Installation of Rainwater Harvesting Well in nearby village in consultation with Municipal authority	One well or pit with pipeline system @ 2 lakh/one pit	1800000	600000	600000	600000
Community Resource Development					

Help of Municipal Authority for maintenance of already developed Park		500000	250000	250000	0
Construction of Toilets in nearby School	Rs 2 lakh/ toilet	600000	200000	200000	200000
<b>Natural Resources Augmentation</b>					
Solar streetlight in nearby road side	20 @ Rs 25,000/ pcs	525000	175000	175000	175000
<b>Total Remediation Cost (1+2+3)</b>		<b>4,225,000</b>	<b>1,505,000</b>	<b>1,505,000</b>	<b>1,215,000</b>

**CER Details:**

Cost Incurred for Community Resources Improvement and Management

**Project Development Cost: Rs. 111.76 Crores**

As per CER OM, CER cost is 1.5 % of Rs. 111.76 Crores, i.e. Rs. 1.67 crores

**CER Cost Already Incurred**

Activity	Cost incurred (INR)	Remark
Cancer Foundation Charitable Trust	100000	Annexure 14
Donation to M.YH Mission	550000	Annexure 15
Road Construction from Vidyasagar School to Pragati Vihar at BicholiMardana Indore	6081229	Annexure 16
Road from pride to NR Estate	611303	Annexure 17
Stadium work at Manavta Nagar Indore	650000	Annexure 18
Donation & other misc work done under CSR	2092242	Annexure 19
<b>Total CSR Incurred</b>	<b>10084774</b>	
<b>Remaining Cost of CSR/CER</b>	<b>6615226</b>	

**Proposed CER Expenditure:**

S.No.	Activity	Remark	Total Cost (INR)	1st Year (INR)	2nd Year (INR)	3rd Year (INR)
1	Solar panel Installation for Lighting in nearby Schools	Total 30 KW @ Rs. 1 Lakh / KW	3000000	1000000	1000000	1000000
2	Toilet Construction in Schools	Rs. 1,00,000/ toilet	1000000	400000	300000	300000

3	Drinking Water Cooler with water purification system in school and village	Rs. 35,000/ cooler	315000	105000	105000	105000
4	Development of Pucca Road in Village Area		2000000	1000000	1000000	-
5	Health Checkup camp in nearby village		300000	150000	-	150000
	<b>Total</b>		<b>6615000</b>	<b>2655000</b>	<b>2405000</b>	<b>1555000</b>

Thus, as above, PP has proposed Rs. 66,52,000.00 (Rs. 42,25,000 as Remediation cost and Rs. 24,27,000 as EMP) for this project and PP, Shri Vivek Chugh, Director M/s Chugh Realty, Indore has proposed to submit bank guarantee of Rs. 42,25,000 towards Remediation Plan.

Committee after considering the project, recommends that PP may be asked to deposit the bank guarantee (BG) with threeyear validity of Rs. 42,25,000 (equivalent to amount proposed in Remediation Plan/Restoration Plan) with the MP Pollution control board after approval of the SEIAA as per the procedure laid down in the MoEF&CC Notification dated 08/03/2018.

The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Environment Clearance for Development of Residential Project “Grande Exotica” at Khasra No. 84/3/4G, 84/3/5 KH, 84/3/4 GH, 84/3/5 K, 84/3/6, Village- BhicholiMardana, Tehsil & District- Indore, MP, Plot Area 26660 Sq m, Net Plot area 26520 Sqm, Proposed Built-up area- 102251.3 Sq.mtr. Category: 8(a) Building & Constructionsubject to the following special conditions and submission of bank gurantee (BG) with three years validity of Rs. 42,25,000/- (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board:

### **I. Statutory Compliance**

- The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.

- iv. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.
- vi. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- vii. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- viii. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix. The provisions for the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.

## **II. Air Quality Monitoring and preservation**

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF& CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. Diesel power generating sets (4x125 KVA) proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.

- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from DG set (4x125 KVA) shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

### **III. Water quality monitoring and preservation**

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. Total fresh water (174 KLD) use during operation phase shall not exceed the proposed requirement as provided in the project details.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be to monitor to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF& CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.



- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total fire water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. 4 rainwater harvesting pits shall be constructed by PP.
- xiv. All recharge should be limited to shallow aquifer.
- xv. No ground water shall be used during construction phase of the project.
- xvi. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xvii. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The recorded shall be submitted to the Regional Office, MoEF& CC along with six monthly Monitoring report.
- xviii. Sewage shall be treated in the STP (Capacity - 270 KLD, primary clarifier with desiltation chamber). The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xix. During operation phase total 207 KLD wastewater will be generated from the project which will be treated up to primary level by installing coarse and fine screen, evaporation tank, O&G removal grit chamber and primary settling tank.
- xx. After treatment, 92 KLD water will be reused within the project and rest wastewater will be discharged into main sewer line of IMC.
- xxi. No sewage or untreated effluent water would be discharged through storm water drains.

- xxii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxiii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

#### **IV. Noise monitoring and prevention**

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

#### **VI. Energy Conservation measures.**

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured, Building in the State which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv. Energy conservation measures like installation of CFLs/LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

**VI. Water Management**

- i. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- ii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iii. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (975 Kg/day) shall be segregated into wet garbage and inert materials.
- iv. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- v. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vi. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- vii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- viii. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- ix. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

**Vii. Green Cover**

- i. At site, approx. 5260.93 Sqm will be developed as green area.
- ii. Not tree can be felled/transplant unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy

cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

- iv. 5260.93sq meters of area shall be provided for green belt development as per the details provided in the project document.
- v. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- vi. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stock piled appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

## **VIII Transport**

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.
  - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
  - b. Traffic calming measures.
  - c. Proper design of entry and exit points
  - d. Parking norms as per local regulation
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Parking's arrangement for 771 ECS shall be provided as proposed by PP.
- iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

**IX. Human health issues**

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implementation.
- iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile, STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

**X. Corporation Environment Responsibility**

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated: 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The Environmental policy should prescribe for standard operating procedures to have proper checks and balance and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the Environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six monthly reports.
- iii. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. 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.
- v. PP has proposed Rs. 24.27 lakhs( Rs. 16.95 lakhs as capital cost and Rs. 7.32 lakhs as recurring cost) for EMP of this project

- vi. The PP has proposed to submit bank guarantee of Rs. 42,25,000 towards Remediation Plan and Natural & Community Resource Augmentation Plan.

#### **XI. Miscellaneous**

- i. Total Solid Waste generated from Project will be 975 kg/day
- ii. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.
- iii. 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 State Expert Appraisal Committee (SEAC)
- iv. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- v. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- vi. 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.

**29. 5748/2018 M/s. S.L.K.Organics, Near Mahadev Press, Ward No. 20, Old Ram Mandir Road, Balaghat, MP – 481001 Prior Environment Clearance for Production of (revised capacity as 10 KLPD to 30 KLD of Total Spirit /Fuel Ethanol, 0.8 MW Co-generation power plant to 500 KW & 9 TPD to 16 TPD of CO<sub>2</sub> generation as by product) at Khasra no.-289/4/2, 289/5/2, 291/19, Village- Kawda (Chatera Road), Tehsil - Lalburra, Dist. Balaghat (MP).Category: 5(g) Distillery Project.**

This is a case of grain based distillery comprising production of revised capacity as 10 KLPD to 30 KLD of Total Spirit /Fuel Ethanol, 0.8 MW Co-generation power plant to 500 KW & 9 TPD to 16 TPD of CO<sub>2</sub> generation as by product. The unit is proposed Khasra No. – 289/4/2, 289/5/2, 291/19, at Village- Lawada (Chatera Road), Tehsil - Lalburra, Dist. - Balaghat (M.P.).

#### **Salient features of the project:**

The proposed project is green field project for production of Fuel Ethanol using grain as feed stock.

Site Address	Khasra - 289/4/2, 289/5/2, 291/19 , Village - Lawda , Chatera Road , Tehsil - Lalburra, and Distt - Balaghat (MP)
Production Capacity	Grain base distillery unit for fuel ethanol of 10 KLPD along with 800 Power Plant
Cost of Project	10 Crore
Grain Requirement	25 TPD
Boiler capacity at MCR (100% Load)	25 TPH
Steam Requirement	45kg/cm <sup>2</sup>
Fuel	34 TPD as Rice Husk
Net fresh Water Requirement	108 KLD
Power Requirement	600 KW
Capital Cost for Environmental measures ( proposed )	Rs 50 Lacs
Recurring cost for environmental monitoring etc ( Proposed )	Recurring charges is envisaged towards monitoring for Continuous Stack Emission Monitoring System (CSEMS) and Effluent Quality Monitoring System (EQMS) for 24x7 online systems for stack as well as effluent Treatment worked out in EIA study)
Proposed area for plantation	5000 sq mt
Alternative Source of Power	DG set of 625 KVA
Land acquired	1.22 hact ( 12200 sq mtrs)
Land required for plant and building	2796.46 sqmt

**Environmental Setting of Project:**

S. No.	Particulars	Details
1	Co-ordinate	21° 51' 23.58" N - 80° 7' 16.87" E 21° 51' 23.29" N - 80° 7' 18.90" E 21° 51' 28.78" N - 80° 7' 18.82" E 21° 51' 30.13" N - 80° 7' 20.64" E 21° 51' 26.90" N - 80° 7' 21.64" E
2	Height above mean sea level	315-309m MSL
3	Nearest Town	Balaghat – 5.75km – SE
4	Nearest Railway Station/Town	Dhapewara – 7.25km - ENE
5	Nearest Airport	Nagpur – 140km
6	Nearest Highway/Road	Lalburra –Balaghat SH- 36 - 1.25km
7	Hills/Valley	None in 10 km radius
8	Ecological Sensitive Zone	None in 10 km radius
9	Reserve Forest	PF – 400m – SE PF – 3.25km – WSW Najul RF – 5.75km - SE
10	Nearest Village	Lawada – 0.80km – WSW

11	Nearest River/ Nalla	Bargur Nalla – 0.40 km – N Seasonal Nalla – 0.30 km – E Wainganga River – 4.50 km – E Wainganga Main Canal – 2.50km – SW Sarathi Nadi – 5.00 km – NNE Pond – 0.50km – SE Atri Nalla – 9.7 5km – NNW
12	Surrounding Features	N- Agricultural land E- Agricultural land followed by Nalla S- Agricultural land followed by forest W- Waste land

Earlier this case was scheduled in 329<sup>th</sup> SEAC meeting dated 23/10/2018 wherein salient features of the project PFR and the proposed TOR were presented before the committee by the PP and his consultant. After deliberations committee has issued following TORs' in addition to the standard TORs' prescribed by the MoEF & CC annexed in annexure-D:

- Expected Odor nuisance in the nearby Villages to be addressed.
- The solid waste generated in the process is claimed to be used as cattle feed; details regarding its quality, use and overall management to be furnished.
- Zero liquid discharge shall be maintained for which necessary details shall be furnished.

PP vide letter dated 09/03/19 has applied for revised ToR, which was forwarded by the SEIAA vide letter no. 354 dated 25/04/19.

The case was presented by the PP and their consultant wherein PP submitted that the proposal is for increase in grain based distillery for fuel ethanol from 10 KLD to 30 KLD along with 500 KW power co- generations and 16 TPD of CO<sub>2</sub> generations as by product. PP submitted that due to viability of project above changes are essential. Committee after deliberations recommended the case for revised TOR with standard TORs' prescribed by the MoEF & CC & TOR recommended in 329<sup>th</sup> SEAC meeting dated 23/10/2018.

PP has submitted the EIA report vide letter dated 19/02/2020 which was forwarded through SEIAA vide letter no. 4527 dated 22/02/2020.

The case was presented by PP and their consultant in the SEAC 430 meeting dated 17-03-2020, wherein PP has submitted the salient features of this project:



**Salient features of the project:**

- The proposal was for green field project for production of Fuel Ethanol of 30 KLD along with cogen power generation & CO<sub>2</sub> generation was submitted and considered by SEAC in its 329<sup>th</sup> meeting dated 23.10.2018.
- The ToR for the project was issued vide number 364 dated 07.12.2018 for above configuration
- Considering the cost economic of project and Govt. policies for fuel ethanol plants, configuration is revised and it is proposed to install grain Base Distillery for production of 30 KLPD of fuel ethanol, 500 KW Co- generation power plant & 16 TPD of CO<sub>2</sub> Generation instead of 10 KLD plant.
- The revised ToR was issued vide no. 319/PS-MS/MPPCB/SEAC/TOR (367)/2019 dated 03.06.2019 and accordingly EIA study has been carried.

The PP stated that this is a grain based fuel ethanol plant which shall be ZLD based and zero waste producer, Out of total water used 70 % water will be recycled. During presentation as per the Google image based on coordinates provided by PP it was observed that some trees do exist within the project boundary for which PP submitted that no tree felling is proposed and the plant is designed in such a way that existing trees will be safe. PP further submitted that excess steam will be used for power generation; CO<sub>2</sub> shall be used for scrubbed and collected in closed vessels and will be sold out. The generated ash will be sent to bricks manufacturers. During discussion it was observed that lots of concerns were raised during public hearing for which PP submitted that being remote area public is worried about release of CO<sub>2</sub> gas and thus raised lots of issues. PP further submitted that initially they have moved the proposal for this project and cattle feed in the Panchayat and they can provide the copy of the same. After detailed discussions on issues raised in the public hearing, Committee was of the opinion that all the issues of public hearing are not properly addressed and compiled with the detailed technical support such as it's a grain base distillery for fuel ethanol of 40 KLPD, generated solid waste will be used as cattle feed, Zero liquid discharge shall be maintained and generated CO<sub>2</sub> will be scrubbed and disposed off for beneficial use and will not be discharged in the environment. Hence, after presentation the committee asked PP to submit following details:

1. Point wise technical reply (with all drawing & designs of proposed systems) of all the issues raised in public hearing (as technology, process, maintenance of CO<sub>2</sub> generated during process etc.) on 11.09.2019 should be compiled and addressed in the holistic manner.

2. Revised plantation scheme shall be comprise fragrance plant species and these plants shall be planted at three meters intervals at the project boundary to prevent bad odor as suggested by committee.
3. Copy of application made before the Panchayat.

Vide letter dated 29.6.2020 submitted query reply raised in the SEAC 430 meeting dated 17.03.2020. The query reply was discussed and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Production of (revised capacity as 10 KLPD to 30 KLD of Fuel Ethanol, 0.8 MW Co-generation power plant to 500 KW & 9 TPD to 16 TPD of CO<sub>2</sub> generation as by product) at Khasra no.-289/4/2, 289/5/2, 291/19, Village- Kawda (Chatera Road), Tehsil - Lalburra, Dist. Balaghat (MP).Category: 5(g) Distillery Project.

**(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 & permission of competent authority if ant tree falling is to be carried out.
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. 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.
2. 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.

3. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS.
4. The DG sets 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.
5. DG exhaust will be discharged at height stipulated by CPCB.
6. CO<sub>2</sub> generated from the process shall be bottled/made solid ice and sold to authorized vendors.
7. 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.
8. 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. Total fresh water requirement shall not exceed 186 cum/day proposed to be met from ground water source. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
2. The spent wash shall be taken to multi effect evaporators (MEE) and process condensate will be taken to CPU and recycled in the process as per given proposal.
3. Number of working/operating days for the distillery shall be 300 days as proposed. However, the same may be increased to 330/round the year subject to zero liquid discharge ensured by the SPCB, while considering the Consent to Operate
4. The project proponent shall provide online continuous monitoring of effluent ( if applicable) , the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
5. As already committed by the project proponent Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises, for which PP shall provide MEE, and CPU unit for making system zero discharge
6. 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.

7. 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.
8. 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.
9. 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.
10. 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 set of 350 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. Possibility of installation of solar power system may be explored.

**(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 used oil, discarded drums, used carbon etc shall be directly sent to CTSDf, Dhar.
3. The Fly ash generated from boilers shall be stored in silos and disposed to farmers of the area . The ash may be mixed with available press mud
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. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
10. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
11. 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.
12. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
13. 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 vapor recovery system.
  - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.

**(G) Green Belt**

1. 5000 Sq meters area will be covered with the green belt and 2275 trees will be planted. The green belt of 5-10 m width will be developed mainly along the periphery and road side. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department.
2. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of sugandhit 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.

3. PP shall also develop green belt over community places in consultation with gram panchayat

**(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) Corporate Environment Responsibility**

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 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.

3. 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.
4. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
5. The proposed EMP cost is Rs. 230.40 Lakhs as capital cost and 23.31 Lakhs /year as recurring cost.
6. Under CER activity, Rs. 25.50 Lakhs has proposed for different activities. PP shall complied with the commitment of providing infrastructure facility at school , provision of Solar lights in villages, Agricultural development and skill development programme.
7. 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.
8. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

**J. 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. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any

6. 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.

**(Dr. Anil Sharma)**  
**Member**

**(Dr. Mohd. Akram Khan)**  
**Member**

**(Dr. Sonal Mehta)**  
**Member**

**(Dr. R. Maheshwari)**  
**Member**

**(Dr. Rubina Chaudhary)**  
**Member**

**(Dr. Jai Prakash Shukla)**  
**Member**

**(Mohd. Kasam Khan)**  
**Chairman**



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

**Annexure- 'A'**

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

1. Mining should be carried out as per the submitted land use plan and approved mine plan.
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. Overhead sprinklers arrangements with solar pumps 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 03 meters high wind breaking wall of suitable material to avoid fugitive emissions.
8. Thick plantation shall be carryout in the periphery/barrier zone of the lease, mineral evacuation road and common area in the village. 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 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.
9. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
10. 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.
11. 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.
12. 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.
13. 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.
14. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
15. 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.

16. 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'.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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 dated 16/01/2020.

**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. Overhead sprinklers arrangements with solar pumps 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 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. 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.
  17. 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.
  18. 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.
  19. 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.
  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

**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. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit gate 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 dated 16/01/2020

**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.
  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. 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.

**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.**

28. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
29. Detailed analysis of availability and quality of the drinking water resources available in the block.
30. 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.
31. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtain.