

The 496th meeting of the State Expert Appraisal Committee (SEAC) was held on 03rd April, 2021 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.
7. Shri A.A. Mishra, Secretary.

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

1. **Case No 7803/2020 Shri Moinuddin S/o Shri Usuf Chhipa, R/o Village - Baneda, Tehsil - Baneda, Dist. Bhilwara, Raj Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (30000 cum per annum) (Khasra No. 1165/1), Village - Fusriya, Tehsil - Singoli, Dist. Neemuch, (MP)**

This is case of for Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1165/1), Village - Fusriya, Tehsil - Singoli, Dist. Neemuch, (MP) 4.0 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. 498 dated: 05/07/2019 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 12.0 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 463rd SEAC dated 01/10/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 26/3/2021 which was forwarded through SEIAA vide letter no. 7821 dated 30/3/2021, 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 is situated of the undulating land having open scrub. The highest and lowest elevations of the ground levels in the lease area are 410M. and 408M. AMSL respectively, During monsoon period the rain water flows in NW and SE direction.
- This mine is situated near village Fusriya, This region spreads has 2 other mines in it. 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 Moinuddin S/o Shri Usuf Chhipa, Stone (Gitti) mines and the preparation of management plan (EMP) is done while considering the impact assessment (EIA) of the whole Fusriya Cluster.
- The mining lease area is not falling in any type of Forest land and a certificate No. Drawing/575/2019/1206 dated 08/13/2019 has been issued by the Conservator Forest officer Gwalior, (M.P.).

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

- Revised EMP as suggested by committee and physical targets based Corporate Environment Responsibility (CER) activities based on public hearing.

PP vide their letter dated 03.04.2021 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 4.0 ha. (30,000 cum per annum) (Khasra No. 1165/1), Village - Fusriya, Tehsil - Singoli, Dist. Neemuch, (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 Tran boundary 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 fusriya cluster through their association for effective dust control.
13. Explore the possibility of providing common drainage for entire fusriya 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 6000 trees shall be planted on barrier zone, outside the lease area in the school at village 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 830M X 3M X 2M. The settling tank will be 5 in number of size 6mx 3m x 3m.
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 (Ha.)	At the end of Plan period (Ha.)	At the end of Life (Ha.)
1.	Excavated pit	0.0000	1.5029	3.3952
2.	Water Reservoir *	-	-	3.3952
3.	Plantation Area	-	0.3024	0.6048
4.	Unused	4.0000	2.1947	0.0000
	Total lease area	4.0000	4.0000	4.0000

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. 34.10 Lakh is proposed and Rs.3,42 Lakh /year as recurring expenses.

37. PP has proposed following physical targets based on public hearing under Corporate Environment Responsibility (CER):

S. No.	Proposed activity
1	Tube well (01) will be established for drinking purpose in Fusriya, Singoli, ChakSodijar villages.
2	Sports equipment (10 kits) will be provided in Fusriya, Singoli, ChakSodijar villages
3	Development of Cremations Tin shed structure of size 40 feet X 30 feet in Fusriya, Singoli, ChakSodijar villages
4	Plantation (100 nos.) will be carried out in school of nearby villages Fusriya, Singoli & Chaksodijar
5	Development in villages Fusriya, Singoli & Chaksodijar waste land (About 1.00 Ha.) into grazing land consultation with local authorities

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.

2. Case No. – 6569/2019 Shri Vakil S/o Shri Gabbaji Bharawat, R/o Village - Kundkheda, Tehsil - Manasa, Dist. Neemuch, MP Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (20,000 cum per annum) (Khasra No. 839/1/1), Village - Alhed, Tehsil - Manasa, Dist. Neemuch (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 839/1/1), Village - Alhed, Tehsil - Manasa, Dist. Neemuch (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's Office letter No. 581 dated: 16/07/2019 has reported that there are 03 more mine operating or proposed within 500 meters around the said mine total area of 9.00 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 404rd SEAC dated 07/11/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 26/3/2021 which was forwarded through SEIAA vide letter no. 7823 dated 30/3/2021, 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-

- This is a small area and the surface topography of the Quarry area and its surrounding is undulated sloping land. Quarry lease area is coming under Govt. Land and surrounding by Q.L. areas. The highest & Lowest contour of this quarry is 479 mRL & 475 mRL.
- This mine is situated near village Alhed, This region spreads has 3 other mines in it. The whole area is considered as Alhed 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 Vakil S/o Shri Gabbaji Bharawat Stone (Gitti) mines and the preparation of management plan (EMP) is done while considering the impact assessment (EIA) of the whole Alhed Cluster.
- The mining lease area is not falling in any type of Forest land and a certificate No. Drawing/567/2019/3946 dated 20/07/2019 has been issued by the Conservator Forest officer Gwalior, (M.P.).

After presentation committee after deliberation, asked PP to submit following information:

- Frequency of Blasting.
- Revised EMP.
- Submit physical targets based Corporate Environment Responsibility (CER) activities based on public hearing.

PP vide their letter dated 03.04.2021 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 4.00 ha. (20,000 cum per annum) (Khasra No. 839/1/1), Village - Alhed, Tehsil - Manasa, Dist. Neemuch (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 Tran boundary 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 Alhed cluster through their association for effective dust control.
13. Explore the possibility of providing common drainage for entire Alhed 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 6000 trees shall be planted on barrier zone, outside the lease area in the school at village 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 825M X 3M X 2M. The settling tank will be 3 in number of size 6mx 3m x 3m.
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 (Ha.)	At the end of Plan period (Ha.)	At the end of Life (Ha.)
1.	Excavated pit	0.0000	1.9300	3.4000
2.	Dump Area	-	0.0800	-
3.	Roads	-	0.0500	-

4.	Green belt	-	0.5000	0.6000
5.	Water Reservoir *	-	-	3.4000*
6.	Unused	4.0000	1.4400	0.0000
	Total lease area	4.0000	4.0000	4.0000

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

40. In the proposed EMP, capital cost is Rs. 32.23 Lakh is proposed and Rs.3,04 Lakh /year as recurring expenses.
36. PP has proposed following physical targets based on public hearing under Corporate Environment Responsibility (CER):

S. No.	Proposed activity
1	Sports equipment (Nos. 6) will be provided in Alhed, Ratitalai&SawanKund villages
2	Providing bed (Nos. 12) in PHC/CHC hospital in Alhed, Ratitalai&SawanKund
3	Plantation (about 200 plants) will be carried out in school of nearby villages Alhed, Ratitalai&SawanKund
4	Agriculture camps (Nos. 1) for latest agriculture practices

37. 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.

38. 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.

3. **Case No 7845/2020 M/s Pitambra Grit Industries, Partner, Shri Deeraj Garg, F-29, Gandhi Nagar, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 1.80 ha. (100000 cum per annum) (Khasra No. 3624/1), 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. 3624/1), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (MP) 1.80 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 (Praman-Patr) letter no. QL12 dated: 10/09/2020 has reported that there are 19 more mines operating or proposed within 500 meters around the said mine with total area of 33.968 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 464th SEAC dated 03/10/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated Nil which was forwarded through SEIAA vide letter no. 7723 dated 27/3/2021, which was placed before the committee.

The EIA was presented by the PP and their consultant during presentation wherein PP submitted that this is a case of capacity expansion of stone from 50,593 cum per annum to 1,00,000 cum per annum. Following are the salient features of the mine-

- The lease area hold is almost having level. The elevation of the highest point is 234m, AMSL and the elevation of the lowest point is 233m AMSL. The lease area is situated of the undulating land (Govt. waste land). The area 1st order nallas develop within lease hold and they flow toward NW and SE.
- This mine is situated near village Biloua, This region spreads has 63 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 M/s Pitambra Grit Industries, Partner Shri Dheeraj Garg, 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/7816 dated 16/11/2012 has been issued by the Conservator Forest officer Gwalior, (M.P.).

During presentation PP submitted that being case of expansion from 50,593 to 1,00,000 cum/year they have obtained compliance of earlier EC conditions from Regional Officer, M. P. Pollution control Board. After presentation committee after deliberation, asked PP to submit following information:

- Photographs of plantation done so far by the PP.
- Copy of last six monthly compliance reports submitted.
- Expenditure made so far under CER activities.

PP vide their letter dated 03.04.2021 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 expansion in Stone Quarry in an area of 1.80 ha. (1,00,000 cum per annum) (Khasra No. 3624/1), 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 Tran boundary 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 biloua cluster through their association for effective dust control.
13. Explore the possibility of providing common drainage for entire Biloua 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 2700 trees shall be planted on barrier zone, outside the

- lease area in the school at village 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 16215M X 3M X 2M. The settling tank will be 20 in number of size 6mx 3m x 3m.
 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)	0.4054	1.7200	1.7200
2.	Water reservoir*	-	1.7200	1.7200
3.	Plantation area	-	0.0800	0.0800
4.	Unused area	1.3946	1.8000	0.0000
	Total Lease Area	1.8000	1.8000	1.8000

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 PROJEC**

36. In the proposed EMP, capital cost is Rs. 16.76 Lakh is proposed and Rs.3.17 Lakh /year as recurring expenses.

37. PP has proposed following physical targets based on public hearing under Corporate Environment Responsibility (CER):

S. No.	Proposed activity
1.	Development of school playground (Nos. 2) in the village Beragarh, Biloua & Raftapur school.
2.	Donate in desktop computer (Nos. 3) in school of Beragarh, Biloua & Raftapur village for computer education of students
3.	Sports equipment (Nos. 20) will be provided in the Aaganwadi Centre at village Beragarh, Biloua & Raftapur.
4.	Installation of a water filter (Nos. 3) in school and its maintenance in village Beragarh, Biloua & Raftapur

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.

4. Case No 6815/2020 Shri Bachan Singh S/o Shri Gopal Singh, 26, Jamuna Nagar, Darpan Colony, Thatipur, Morar, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (Expansion from 30,000 to 1,00,000 cum per annum) (Khasra No. 3922/2 Govt. Land), 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. 3922/2 Govt. Land), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (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. QL-09 dated: 17/07/2015 has reported

that there are 12 more mines operating or proposed within 500 meters around the said mine with total area of 15.530 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 426th SEAC dated 27/02/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated Nil which was forwarded through SEIAA vide letter no. 7725 dated 27/3/2021, which was placed before the committee.

The EIA was presented by the PP and their consultant during presentation wherein PP submitted that this is a case of capacity expansion of stone from 30,000 cum per annum to 1,00,000 cum per annum.

- At present this area is not available surface ground. Total area is excavated. The excavated portion make two Benches. 1st Benches 236 mAMSL & 2nd Bench Bottom 233 mAMSL. This lease area have been around the other leases. The lease area is situated of the undulating land (Govt. waste land). The area 1st order nallas develop within lease hold and they flow toward NW and SE.
- This mine is situated near village Biloua, This region spreads has 63 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 Bachan Singh, 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/7776 dated 16/11/2012 has been issued by the Conservator Forest officer Gwalior, (M.P.).

During presentation PP submitted that being case of expansion from 30,000 to 1,00,000 cum/year they have obtained compliance of earlier EC conditions from Regional Officer, After presentation committee after deliberation, asked PP to submit following information:

- Photographs of plantation done so far by the PP.
- Copy of last six monthly compliance reports submitted.
- Expenditure made so far under CER activities.

PP vide their letter dated 03.04.2021 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 Environment Clearance for expansion in Stone Quarry in an area of 2.00 ha. , Production: 1,00,000 cum per annum, (Khasra No. 3922/2 Govt. Land), 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 Tran boundary 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 biloua cluster through their association for effective dust control.
13. Explore the possibility of providing common drainage for entire Biloua 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 2400 trees shall be planted on barrier zone, outside the lease area in the school at village 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 16200M X 3M X 2M. The settling tank will be 20 in number of size 6mx 3m x 3m.
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. N o.	Description	Present area in (hect.)	At the end of Plan period	At the end of Life (hect.)
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			(hect.)	
1.	Mining out area (pit)	2.000	2.0000	2.0000
2.	Water reservoir*	-	2.0000	2.0000
3.	Plantation area	-	-	-
4.	Unused area	-	-	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. 15.30 lakh is proposed and Rs.3.13 Lakh /year as recurring expenses.
37. PP has proposed following physical targets based on public hearing under Corporate Environment Responsibility (CER).

S. No.	Proposed activity
1.	Providing beds (Nos. 14) in CHC/PHC in the village Raftapur, Biloua & Beragarh
2.	Providing toys (Nos. 10 Kits) for children in Aganwadi center in nearby villages Raftapur, Biloua & Beragarh

3.	Installation of water filter (Nos. 3) in school of nearby village Raftapur, Biloua & Beragarh
4.	Providing sports equipments (Nos. 10) for students in nearby schools of villages Raftapur, Biloua & Beragarh.
5.	Arrangement of camps (Nos. 5) in villages for agriculture practices in villages Raftapur, Biloua & Beragarh.

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.

5. Case No. – 6707/2019 M/s. KJS Cement (I) Limited, Rajnagar, Rewa Road, Maihar, Dist. Satna, MP – 485771 Prior Environment Clearance for Limestone Mine in an area of 4.290 ha. (50,260 Tonne per annum) (Khasra No. P 965, 998, P 999, P 1002), Village - Bhatia, Tehsil - Maihar, Dist. Satna, (MP)

This is case of Limestone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. P 965, 998, P 999, P 1002), Village - Bhatia, Tehsil - Maihar, Dist. Satna, (MP) 4.290 Ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 416th SEAC dated 08/01/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 22/3/2021 which was forwarded through SEIAA vide letter no. 7817 dated 30/3/2021, which was placed before the committee.

PP and their consultant presented the EIA before the committee following details of this project was submitted by the PP:

- The project has been proposed for the Mining of Lime stone on the private waste land through open cast mechanized method. Mining will be confined to the allotted lease area which lies on the pvt. waste land from which approximately 50260 TPA of lime stone will be excavated per annum.

- The lease was sanctioned for 10 years from 28.06.1983 to 27.06.1993 to Shri Ramlubhya Sehgal. After that the lease was renewed for further 20 years from 28.06.2003 to 27.06.2023. In the year 2010 lease was transfer to M/s KJS Cement Ltd for remaining period.
- Then, Govt. of India has amended the Mines and Mineral (Development and Regulation) Act 1957, called MMDR, Act 2015 under section 8 A (6), the mining period is now 50 years from lease sanction date 28.06.1983 to 27.06.2033. State Govt. of MP has also issued directions accordingly void letter no. MRD-F-19-5/2015/12-1 Bhopal dated 12.03.2015. Lessee has already been obtained consent to operate for production capacity of 30000 TPA from MPPCB. Mining activity was being operated for capacity of 30000 Mt per year with valid consent to operate from 1983 to 2015. Since 2015, no mining activity has been performed.
- A total mineable reserve as per the mining plan is 670068 Tonne & with maximum of production of Lime Stone mineral of 50260 TPA.
- The mining shall be carried –out for proposed project by opencast and mechanized, where mining of lime stone will be done through drilling, blasting, rock breaker Jack hammer etc.

After presentation committee after deliberation, asked PP to submit following information:

- Revised EMP with inclusion of provision of grazing land

PP vide their letter dated 03.04.2021 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 Bhatia Limestone Mine (4.29 ha.), capacity 50,260 TPA of Lime Stone Excavation) (Khasra - P 965, 998, P 999, P1002) At Village - Bhatia Tehsil- Maihar &, District Satna, M.P. of M/s KJS Cement India Ltd., 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 5110 trees shall be planted on barrier zone, backfilled area, along the transportation route (1200 no of trees).
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. Two garland drains was already constructed along the lease area by PP. The size of

the drain will be 300 M X 0.5M X 1M, 180M X 0.5M X 1M. The settling tank will be 01 in number of size 0.50x 6mD.

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:

Items	Existing	SOM Period	Conceptual Period
Total lease area	4.29 ha		
Ultimate depth of mining	7.4 m bgl (324.6 m MSL)	8 m bgl (324 m MSL)	8 m bgl (324 m MSL)
Ultimate pit slope	50 degree	50 degree	50 degree
Area under dumps	0.5547ha	0.4187ha	Nil
Area under pits	1.80ha	2.0110ha	3.61ha
Infrastructure & Road	0.22ha	0.30ha	Nil
Mineral storage	Nil	Nil	Nil
Plantation	Nil	0.36ha (720 No.)	0.68ha (1360 No.)
Un-worked area	1.7153ha	1.2003ha	0.0
Total	4.29 ha	4.29 ha	4.29 ha
Water body	0.50ha	1.00ha	2.3180ha
Area to be reclaimed	Nil	Nil	0.7750ha
Plantation			
Un-worked area	Nil	0.36ha (720 No.)	0.68ha (1360 No.)
Backfilled area	Nil	Nil	0.7750ha (1550 No.)
Bench area	Nil	Nil	0.517 ha (1000 No.)
Total area for plantation	Nil	0.36ha (720 No.)	1.972ha (3910 No.)

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. 28.31 Lakh is proposed and Rs.12.35 Lakh /year as recurring expenses.
33. As per office memorandum vide no 22-65/2017/IA-III dated 30.09.2020, no financial budget under CER is being proposed. The commitment to address the concern raised during the public hearing issues with physical target shall be complied as below :

SN	Plan	Activity
1	To provide 10 ceiling fan, 50 chair, 50 desk, separate boys and girls toilet with water facility, 4 almiras at primary school	At Bhatia, Barhia,
2	To provide Four handpump for drinking water purpose as per recommendation by gram panchayat/gram shabha	To nearby villages Bhatia, Barhia,
3	Development of grazing land	Suitable grass species will be sown in the 2.00ha chrnoi land of the village area.
4	Provision of distribution of mask, sanitizer kit, PPE kit under Covid-19	village school, Aganwadi, Panchayat at Bhatia, barhia, jura, Rigra village

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.

6. Case No 7632/2020 M/s R.K.Transport and Construction Ltd, 65-A, Transport Nagar, Dist. Korba, CG - 486889 Prior Environment Clearance for Sand Quarry in an area of 4.00 ha. (1,05,150 cum per annum) (Khasra No. 01), Village - Piprakurund Tehsil - Singrauli, Dist. Singrauli (MP).

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

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 3006 dated: 14/08/2020 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 20.00 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 458th SEAC dated 22/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 22/3/2021 which was forwarded through SEIAA vide letter no. 7805 dated 30/3/2021, which was placed before the committee.

PP and their consultant presented the EIA before the committees, PP stated following points:

- The mine lease of river sand mine on submerged area of Rihand River is spread over an area of 4.00 ha in Village –Piprakurund, Tehsil- Singrauli, Dist- Singrauli, State - Madhya Pradesh.
- The Letter of intent for the lease has been granted to Project Proponent M/s R. K. Transport & Construction Ltd. by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. S. No. /Sand/2020/ 643 Bhopal, Dated 27.02.2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Office of Collector (Mining Division), Dist. Singrauli (MP) vide letter no. क्रमांक / 2359 / ख.यो. / रेत / अनु. / 2020 सिंगरौली, दिनांक 06.07.2020 for a production capacity of 105150 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no क्रमांक / 3000 / खनिज / रेत / ए.प्र.प. / 2020 सिंगरौली, दिनांक 14.08.2020
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 706/PS-MS/MPPCB/SEAC/TOR (458)/2020 Bhopal, Dated 06/10/2020.
- Public Hearing has been conducted on dated 04/02/2021 near project area
- Opencast Semi mechanized method for mining by scrapping in 3.0 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.
- Evacuation will be 1000 m long & 6.0 m width road which connect to village road and further connected to SH.

Replenishment Capacity- Rihand River

- The Rihand rises from Matiranga hills, in the region south west of the Mainpat plateau, which is about 1,100 meters above mean sea level. Rihand river is major tributary of Sone River. Sone river finally flows into Ganga River.
- River course is around 213 km approx. from the origin to the Rihand river dam
- Gradient of river is High i.e. highest elevation 539m at origin place of river and while lowest is about 265 m above MSL at QL area, approx. 274m elevation difference. The upstream catchment area is around 13333.26 sq.km.
- Rihand flood plain region's annual precipitation is about 300mm and a big factor that engineers sand transportation from its origin to sand mining area.
- Hence it is concluded that the annual production capacity which will be excavated at the QL area will be replenished easily*.
(*QL Area = 4.00 ha. Required quantity of sand is available at the QL area. The annual production capacity 105150m³ which will be easily replenished)
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 21795013 M. tons/Year.
- The Annual Replenished Sand in Rihand River is 13621883 cum.
- Hence it is concluded that the annual production capacity (105150cum/annum) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the Gram Panchayat Bhawan, Aangan badi, School as per submitted scheme.

During presentation it was observed by the committee that most part of the lease is submerged in the water. Pp submitted that the image is of December, 2020 and after february the lease becomes dry and sand can be evacuated which can also be verified from the past Google images. PP further submitted that Mining Officer vide letter no. 4447 dated 16/09/20 has also informed that the sanctioned lease is under the submergence of Rhind Reservoir and are minable only after October/November when water recedes down and lease becomes dry. PP submitted that they will mine only when the water recedes down and lease becomes dry. PP further submitted that sand is being evacuated from all such leases in Singrauli District which can be verified from the survey report (2018-19) of Office of Collector stating production of sand in previous years in Singrauli District. Committee after

deliberations recommends that mining shall be permitted only after the joint site visit of Regional Officer, MP Pollution Control Board, Singrauli and Mining Officer, Singrauli who will verify that the mine site is dry and mining is possible as per the prescribed norms. After presentation and deliberation, PP was asked to submit following information:

1. Commitment for evacuation of sand during dry season.
2. Copy of Mining Officer Letter no. 4447 dated 16/09/20.
3. Copy of survey report of Office of Collector stating the production of sand in previous years in Singrauli District.
4. Photographs of lease showing sand availability.
5. Comparable Google images of various months showing submerged area during monsoon period and dry area suitable for sand mining in dry season.

PP vide their letter dated 03.04.2021 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 Prior Environment Clearance for Piprakurund-2 Sand Quarry in an area of 4.00 ha. (1,05,150 cum per annum) (Khasra No. 01), Village – Piprakurund, Tehsil - Singrauli, Dist. Singrauli (MP) subject to the following special conditions and as per Annexure-B:

(A) PRE-MINING PHASE

1. 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.
2. Mining activities shall be carried out only after the month of January every year (when lease becomes dry & minable) and after the joint site visit of Regional Officer, MP Pollution Control Board, Singrauli and Mining Officer, Singrauli who will verify that the mine site is dry and mining is possible as per the prescribed norms.
3. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
4. 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.
5. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.

6. PP will also carry out fencing all around the lease area.
7. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
8. For dust suppression, regular sprinkling of water should be undertaken.
9. Transportation road shall be made WBM Road and shall be constructed prior to operation of mine.
10. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

11. Only semi mechanized mining shall be carried out.
12. No intermediate stacking is permitted at the mine site.
13. Overhead sprinklers shall be provided in mine.
14. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three 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.
15. 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 10,500 trees shall be planted on barrier zone, backfilled area and along the transportation route.
16. Transportation of sand shall be done in covered vehicles.
17. Transportation of sand shall not be carried out through forest area.
18. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
19. 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.
20. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
21. The commitments made in the public hearing are to be fulfilled by the PP.
22. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
23. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

24. In the proposed EMP, capital cost is Rs. 39.08 Lakh is proposed and Rs. 11.22 Lakh /year as recurring expenses.
25. Under CER following physical target based activities based on public hearing has proposed by PP :

SN	Commitment towards public hearing Issue in terms of Physical Target
1	Providing infrastructure support like 4 ceiling fan, 30 chair, 2 Alamaris, Boys and Girls toilets with water facility, etc to the village Aganwadi at Piprakurund
2	Suitable grass species will be shown in the 1.00ha grazing land of the village area

26. 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.
27. 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 7633/2020 M/s R.K.Transport and Construction Ltd, 65-A, Transport Nagar, Dist. Korba, CG - 486889 Prior Environment Clearance for Sand Quarry in an area of 4.00 ha. (1,05,510 cum per annum) (Khasra No. 01), Village - Piprakurund-1 Tehsil - Singrauli, Dist. Singrauli (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 01), Village - Piprakurund-1 Tehsil - Singrauli, Dist. Singrauli (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 3008 dated: 14/08/2020 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 16.00 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 458th SEAC dated 22/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 22/3/2021 which was forwarded through SEIAA vide letter no. 7811 dated 30/3/2021, which was placed before the committee.

PP and their consultant presented the EIA before the committees, PP stated following points -:

- The mine lease of river sand mine on submerged area of Rihand River is spread over an area of 4.00 ha in Village –Piprakurund, Tehsil- Singrauli, Dist- Singrauli, State - Madhya Pradesh.
- The Letter of intent for the lease has been granted to Project Proponent M/s R. K. Transport & Construction Ltd. by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. S. No. /Sand/2020/ 643 Bhopal, Dated 27.02.2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Office of Collector (Mining Division), Dist. Singrauli (MP) vide letter no. क्रमांक / 1964 / ख.यो. / रेत / अनु. / 2020 सिंगरौली, दिनांक 29.05.2020 for a production capacity of 105150 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no क्रमांक / 3008 / खनिज / रेत / ए.प्र.प. / 2020 सिंगरौली, दिनांक 14.08.2020
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 708/PS-MS/MPPCB/SEAC/TOR (458)/2020 Bhopal, Dated 06/10/2020.
- Public Hearing has been conducted on dated 04/02/2021 near project area
- Opencast Semi mechanized method for mining by scrapping in 3.0 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.
- Evacuation will be 1000 m long & 6.0 m width road which connect to village road and further connected to SH.

Replenishment Capacity- Rihand River

- The Rihand rises from Matiranga hills, in the region south west of the Mainpat plateau, which is about 1,100 meters above mean sea level. Rihand river is major tributary of Sone River. Sone river finally flows into Ganga River.
- River course is around 213 km approx. from the origin to the Rihand river dam
- Gradient of river is High i.e. highest elevation 539m at origin place of river and while lowest is about 265 m above MSL at QL area, approx. 274m elevation difference. The upstream catchment area is around 13333.26 sq.km.

- Rihand flood plain region's annual precipitation is about 300mm and a big factor that engineers sand transportation from its origin to sand mining area.
- Hence it is concluded that the annual production capacity which will be excavated at the QL area will be replenished easily*.
(*QL Area = 4.00 ha. Required quantity of sand is available at the QL area. The annual production capacity 105150m³ which will be easily replenished)
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 21795013 M. tons/Year.
- The Annual Replenished Sand in Rihand River is 13621883 cum.
- Hence it is concluded that the annual production capacity (105150cum/annum) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the Gram Panchayat Bhawan, Aangan badi, School as per submitted scheme.

During presentation it was observed by the committee that most part of the lease is submerged in the water. Pp submitted that the image is of December, 2020 and after february the lease becomes dry and sand can be evacuated which can also be verified from the past Google images. PP further submitted that Mining Officer vide letter no. 4447 dated 16/09/20 has also informed that the sanctioned lease is under the submergence of Rhind Reservoir and are minable only after October/November when water recedes down and lease becomes dry. PP submitted that they will mine only when the water recedes down and lease becomes dry. PP further submitted that sand is being evacuated from all such leases in Singrauli District which can be verified from the survey report (2018-19) of Office of Collector stating production of sand in previous years in Singrauli District. Committee after deliberations recommends that mining shall be permitted only after the joint site visit of Regional Officer, MP Pollution Control Board, Singrauli and Mining Officer, Singrauli who will verify that the mine site is dry and mining is possible as per the prescribed norms. After presentation and deliberation, PP was asked to submit following information:

1. Commitment for evacuation of sand during dry season.
2. Copy of Mining Officer Letter no. 4447 dated 16/09/20.

3. Copy of survey report of Office of Collector stating the production of sand in previous years in Singrauli District.
4. Photographs of lease showing sand availability.
5. Comparable Google images of various months showing submerged area during monsoon period and dry area suitable for sand mining in dry season.

PP vide their letter dated 03.04.2021 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 Prior Environment Clearance for Piprakurund-1 Sand Quarry in an area of 4.00 ha. (1,05,150 cum per annum) (Khasra No. 1), Village – Piprakurund, Tehsil - Singrauli, Dist. Singrauli (MP) subject to the following special conditions and as per Annexure-B:

(A) PRE-MINING PHASE

1. 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.
2. Mining activities shall be carried out only after the month of January every year (when lease becomes dry & minable) and after the joint site visit of Regional Officer, MP Pollution Control Board, Singrauli and Mining Officer, Singrauli who will verify that the mine site is dry and mining is possible as per the prescribed norms.
3. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
4. 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.
5. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
6. PP will also carry out fencing all around the lease area.
7. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
8. For dust suppression, regular sprinkling of water should be undertaken.
9. Transportation road shall be made WBM Road and shall be constructed prior to operation of mine.
10. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

11. Only semi mechanized mining shall be carried out.
12. No intermediate stacking is permitted at the mine site.
13. Overhead sprinklers shall be provided in mine.
14. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three 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.
15. 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 10500 trees shall be planted on barrier zone, backfilled area and along the transportation route.
16. Transportation of sand shall be done in covered vehicles.
17. Transportation of sand shall not be carried out through forest area.
18. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
19. 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.
20. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
21. The commitments made in the public hearing are to be fulfilled by the PP.
22. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
23. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

24. In the proposed EMP, capital cost is Rs. 39.08 Lakh is proposed and Rs. 11.22 Lakh /year as recurring expenses.
25. Under CER following physical target based activities based on public hearing has proposed by PP :

SN	Commitment towards public hearing Issue in terms of Physical Target
1	Providing infrastructure support like 5 ceiling fan, 20 chair, 30 desk, 2 Alamaris, Boys and Girls toilets with water facility, etc to the village School at Piprakurund
2	Suitable grass species will be shown in the 1.00ha grazing land of the village area

26. 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.
27. 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 7648/2020 M/s R.K.Transport and Construction Ltd, 65-A, Transport Nagar, Dist. Korba, CG - 486889 Prior Environment Clearance for Sand Quarry in an area of 5.00 ha. (1,32,360 cum per annum) (Khasra No. 413), Village - Harrawaha-4, Tehsil - Singrauli, Dist. Singrauli (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 413), Village - Harrawaha-4, Tehsil - Singrauli, Dist. Singrauli (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 letter No. 385 dated: 07/09/18 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 460th SEAC dated 24/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 22/3/2021 which was forwarded through SEIAA vide letter no. 7809 dated 30/3/2021, which was placed before the committee.

PP and their consultant presented the EIA before the committees, PP stated following points -:

- The mine lease of river sand mine on submerged area of Rihand River is spread over an area of 5.00 ha in Village –Harrahawa, Tehsil- Singrauli, Dist- Singrauli, State - Madhya Pradesh.
- The Letter of intent for the lease has been granted to Project Proponent M/s R. K. Transport & Construction Ltd. by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. S. No. /Sand/2020/ 643 Bhopal, Dated 27.02.2020 as per the provisions of M.P. State Sand Mining Policy – 2019.

- Mine Plan and Replenishment Study Plan has been approved by Office of Collector (Mining Division), Dist. Singrauli (MP) vide letter no. क्रमांक / 2363 / ख.यो. / रेत / अनु. / 2020 सिंगरौली, दिनांक 06.07.2020 for a production capacity of 132360 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no क्रमांक / 3010 / खनिज / रेत / ए.प्र.प. / 2020 सिंगरौली, दिनांक 14.08.2020
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 728/PS-MS/MPPCB/SEAC/TOR (460)/2020 Bhopal, Dated 06/10/2020.
- Public Hearing has been conducted on dated 05/02/2021 near project area
- Opencast Semi mechanized method for mining by scrapping in 3.0 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.
- Evacuation will be 1000 m long & 6.0 m width road which connect to village road and further connected to SH.

Replenishment Capacity- Rihand River

- The Rihand rises from Matiranga hills, in the region south west of the Mainpat plateau, which is about 1,100 meters above mean sea level. Rihand river is major tributary of Sone River. Sone river finally flows into Ganga River.
- River course is around 213 km approx. from the origin to the Rihand river dam
- Gradient of river is High i.e. highest elevation 539m at origin place of river and while lowest is about 265 m above MSL at QL area, approx. 274m elevation difference. The upstream catchment area is around 13333.26 sq.km.
- Rihand flood plain region's annual precipitation is about 300mm and a big factor that engineers sand transportation from its origin to sand mining area.
- Hence it is concluded that the annual production capacity which will be excavated at the QL area will be replenished easily*.
(*QL Area = 5.00 ha. Required quantity of sand is available at the QL area. The annual production capacity 132360m³ which will be easily replenished)
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 21795013 M. tons/Year.
- The Annual Replenished Sand in Rihand River is 13621883 cum.

- Hence it is concluded that the annual production capacity (132360cum/annum) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the Gram Panchayat Bhawan, Aangan badi, School as per submitted scheme.

During presentation it was observed by the committee that most part of the lease is submerged in the water. Pp submitted that the image is of December, 2020 and after february the lease becomes dry and sand can be evacuated which can also be verified from the past Google images. PP further submitted that Mining Officer vide letter no. 4447 dated 16/09/20 has also informed that the sanctioned lease is under the submergence of Rhind Reservoir and are minable only after October/November when water recedes down and lease becomes dry. PP submitted that they will mine only when the water recedes down and lease becomes dry. PP further submitted that sand is being evacuated from all such leases in Singrauli District which can be verified from the survey report (2018-19) of Office of Collector stating production of sand in previous years in Singrauli District. Committee after deliberations recommends that mining shall be permitted only after the joint site visit of Regional Officer, MP Pollution Control Board, Singrauli and Mining Officer, Singrauli who will verify that the mine site is dry and mining is possible as per the prescribed norms. After presentation and deliberation, PP was asked to submit following information:

1. Commitment for evacuation of sand during dry season.
2. Copy of Mining Officer Letter no. 4447 dated 16/09/20.
3. Copy of survey report of Office of Collector stating the production of sand in previous years in Singrauli District.
4. Photographs of lease showing sand availability.
5. Comparable Google images of various months showing submerged area during monsoon period and dry area suitable for sand mining in dry season.

PP vide their letter dated 03.04.2021 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 Prior Environment Clearance for Harrahawa-4 Sand Quarry in an area of 5.00 ha. (1,32,360 cum per annum) (Khasra No. 413), Village – Harrahawa, Tehsil - Singrauli, Dist. Singrauli (MP) subject to the following special conditions and as per Annexure-B:

(A)PRE-MINING PHASE

1. 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.
2. Mining activities shall be carried out only after the month of January every year (when lease becomes dry & minable) and after the joint site visit of Regional Officer, MP Pollution Control Board, Singrauli and Mining Officer, Singrauli who will verify that the mine site is dry and mining is possible as per the prescribed norms.
3. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
4. 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.
5. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
6. PP will also carry out fencing all around the lease area.
7. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
8. For dust suppression, regular sprinkling of water should be undertaken.
9. Transportation road shall be made WBM Road and shall be constructed prior to operation of mine.
10. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

11. Only semi mechanized mining shall be carried out.
12. No intermediate stacking is permitted at the mine site.
13. Overhead sprinklers shall be provided in mine.
14. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three 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.
15. 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 10500 trees shall be planted on barrier zone, backfilled area and along the transportation route.
16. Transportation of sand shall be done in covered vehicles.

17. Transportation of sand shall not be carried out through forest area.
18. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
19. 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.
20. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
21. The commitments made in the public hearing are to be fulfilled by the PP.
22. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
23. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

24. In the proposed EMP, capital cost is Rs. 46.58 Lakh is proposed and Rs. 11.87 Lakh /year as recurring expenses.
25. Under CER activity, following activities are proposed based public hearing issues.

SN	Commitment towards public hearing Issue in terms of Physical Target
1	Providing infrastructure support like 5 ceiling fan, 20 chair, 2 Alamaris, Water Cooler, Boys and Girls toilets with water facility, etc to the village Aganwadi center at Harrahawa
2	Suitable grass species will be shown in the 1.00ha grazing land of the village area
3	Two handpump will be provided at village harrahawa

26. 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.
27. 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 7816/2020 M/s R.K.Transport and Construction Ltd, Shri Sachin Agrawal, Prop., 65-A, Transport Nagar, Dist. Korba, CG – 486889 Prior Environment

Clearance for Sand Quarry in an area of 6.0 ha. (144900 cum per annum) (Khasra No. 54), Village - Rehi, Tehsil - Chitrangi, Dist. Singrauli (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 54), Village - Rehi, Tehsil - Chitrangi, Dist. Singrauli (MP) 6.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, 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. 1993 dated: 30/05/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 462th SEAC dated 30/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 22/3/2021 which was forwarded through SEIAA vide letter no. 7807 dated 30/3/2021, which was placed before the committee.

PP and their consultant presented the EIA before the committees, PP stated following points:

- The mine lease of river sand mine on submerged area of Rihand River is spread over an area of 6.00 ha in Village –Rehi, Tehsil- chitrangi Dist- Singrauli, State - Madhya Pradesh.
- The Letter of intent for the lease has been granted to Project Proponent M/s R. K. Transport & Construction Ltd. by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. S. No. /Sand/2020/ 643 Bhopal, Dated 27.02.2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Office of Collector (Mining Division), Dist. Singrauli (MP) vide letter no. क्रमांक / 1930 / ख.यो. / रेत / अनु. / 2020 सिंगरौली, दिनांक 27.05.2020 for a production capacity of 144900 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no क्रमांक / 1993 / खनिज / रेत / ए.प्र.प. / 2020 सिंगरौली, दिनांक 30.05.2020
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 794/PS-MS/MPPCB/SEAC/TOR (462)/2020 Bhopal, Dated 06/10/2020.
- Public Hearing has been conducted on dated 07/02/2021 near project area

- Opencast Semi mechanized method for mining by scrapping in 3.0 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.
- Evacuation will be 1000 m long & 6.0 m width road which connect to village road and further connected to SH.

Replenishment Capacity- Gopad River

- Gopad River which originates from Sohat Plateau of Chattisgarh state. Gopad River is major tributary of Sone River. Sone River finally flows into Ganga River. Sone River finally flows into Ganga River.
- River course is around 440 km approx. from the origin to the lease area.
- Gradient of river is High i.e. highest elevation 676m at origin place of river and while lowest is about 236 m above MSL at QL area, approx. 440m elevation difference. The upstream catchment area is around 1462.56 sq.km.
- Gopad flood plain region's annual precipitation is about 300mm and a big factor that engineers sand transportation from its origin to sand mining area.
- Hence it is concluded that the annual production capacity which will be excavated at the QL area will be replenished easily*.

- (*QL Area = 6.00 ha. Required quantity of sand is available at the QL area. The annual production capacity 144900m³ which will be easily replenished).
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 8082900 M. tons/Year.
- The Annual Replenished Sand in Gopad River is 5051813cum.
- Hence it is concluded that the annual production capacity (144900cum/annum) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the Gram Panchayat Bhawan, Aangan badi, School as per submitted scheme.

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 Prior Environment Clearance for Rehi Sand Quarry in an area of 6.00 ha. (1,44,900 cum per annum) (Khasra No. 54), Village – Rehi, Tehsil - Chitrangi, Dist. Singrauli (MP) subject to the following special conditions and as per Annexure-B:

(A)PRE-MINING PHASE

1. 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.
2. Mining activities shall be carried out only when lease becomes dry & minable and after the joint site visit of Regional Officer, MP Pollution Control Board, Singrauli and

- Mining Officer, Singrauli who will verify that the mine site is dry and mining is possible as per the prescribed norms.
3. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
 4. 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.
 5. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
 6. PP will also carry out fencing all around the lease area.
 7. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
 8. For dust suppression, regular sprinkling of water should be undertaken.
 9. Transportation road shall be made WBM Road and shall be constructed prior to operation of mine.
 10. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

11. Only semi mechanized mining shall be carried out.
12. No intermediate stacking is permitted at the mine site.
13. Overhead sprinklers shall be provided in mine.
14. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three 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.
15. 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 10500 trees shall be planted on barrier zone, backfilled area and along the transportation route.
16. Transportation of sand shall be done in covered vehicles.
17. Transportation of sand shall not be carried out through forest area.
18. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
19. 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.

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

(C) ENTIRE LIFE OF THE PROJECT

24. In the proposed EMP, capital cost is Rs. 53.28 Lakh is proposed and Rs. 12.62 Lakh /year as recurring expenses.
25. Under CER activity, following activities are proposed based public hearing issues.

SN	Commitment towards public hearing Issue in terms of Physical Target
1	Providing infrastructure support like 5 ceiling fan, 20 chair, 2 Alamaris, Water Cooler, Boys and Girls toilets with water facility, etc to the village Aganwadi center at Rehi
2	Suitable grass species will be shown in the 1.00ha grazing land of the village area

26. 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.
27. 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 7635/2020 M/s R.K.Transport and Construction Ltd, 65-A, Transport Nagar, Dist. Korba, CG - 486889 Prior Environment Clearance for Sand Quarry in an area of 4.00 ha. (1,04,850 cum per annum) (Khasra No. 01), Village - Orgai-1 Tehsil - Singrauli, Dist. Singrauli (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 01), Village - Orgai-1 Tehsil - Singrauli, Dist. Singrauli (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

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

format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 1999 dated: 30/05/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 8.00 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 458th SEAC dated 22/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 22/3/2021 which was forwarded through SEIAA vide letter no. 7815 dated 30/3/2021, which was placed before the committee.

PP and their consultant presented the EIA before the committees, PP stated following points:

- The mine lease of river sand mine on submerged area of Govind Balaabh Pant Sagar on Rihand River is spread over an area of 4.00 ha in Village –Orgai, Tehsil-Singrauli, Dist- Singrauli, State - Madhya Pradesh.
- The Letter of intent for the lease has been granted to Project Proponent M/s R. K. Transport & Construction Ltd. by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. S. No. /Sand/2020/ 643 Bhopal, Dated 27.02.2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Office of Collector (Mining Division), Dist. Singrauli (MP) vide letter no. क्रमांक / 1927 / ख.यो. / रेत / अनु. / 2020 सिंगरौली, दिनांक 27.05.2020 for a production capacity of 104850 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no क्रमांक / 1999 / खनिज / रेत / ए.प्र.प. / 2020 सिंगरौली, दिनांक 30.05.2020
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 714/PS-MS/MPPCB/SEAC/TOR (458)/2020 Bhopal, Dated 06/10/2020.
- Public Hearing has been conducted on dated 03/02/2021 near project area
- Opencast Semi mechanized method for mining by scrapping in 3.0 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.
- Evacuation will be 1000 m long & 6.0 m width road which connect to village road and further connected to SH.

Replenishment Capacity- Rihand River

- The Rihand rises from Matiranga hills, in the region south west of the Mainpat plateau, which is about 1,100 meters above mean sea level. Rihand river is major tributary of Sone River. Sone river finally flows into Ganga River.

- River course is around 213 km approx. from the origin to the Rihand river dam
- Gradient of river is High i.e. highest elevation 539m at origin place of river and while lowest is about 265 m above MSL at QL area, approx. 274m elevation difference. The upstream catchment area is around 13333.26 sq.km.
- Rihand flood plain region's annual precipitation is about 300mm and a big factor that engineers sand transportation from its origin to sand mining area.
- Hence it is concluded that the annual production capacity which will be excavated at the QL area will be replenished easily*.
(*QL Area = 4.00 ha. Required quantity of sand is available at the QL area. The annual production capacity 104850m³ which will be easily replenished)
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 21795013 M. tons/Year.
- The Annual Replenished Sand in Rihand River is 13621883 cum.
- Hence it is concluded that the annual production capacity (104850cum/annum) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the Gram Panchayat Bhawan, Aangan badi, School as per submitted scheme.

During presentation it was observed by the committee that most part of the lease is submerged in the water. Pp submitted that the image is of December, 2020 and after february the lease becomes dry and sand can be evacuated which can also be verified from the past Google images. PP further submitted that Mining Officer vide letter no. 4447 dated 16/09/20 has also informed that the sanctioned lease is under the submergence of Rhind Reservoir and are minable only after October/November when water recedes down and lease becomes dry. PP submitted that they will mine only when the water recedes down and lease becomes dry. PP further submitted that sand is being evacuated from all such leases in Singrauli District which can be verified from the survey report (2018-19) of Office of Collector stating production of sand in previous years in Singrauli District. Committee after deliberations recommends that mining shall be permitted only after the joint site visit of Regional Officer, MP Pollution Control Board, Singrauli and Mining Officer, Singrauli who will verify that the mine site is dry and mining is possible as per the prescribed norms. After presentation and deliberation, PP was asked to submit following information:

1. Commitment for evacuation of sand during dry season.
2. Copy of Mining Officer Letter no. 4447 dated 16/09/20.
3. Copy of survey report of Office of Collector stating the production of sand in previous years in Singrauli District.
4. Photographs of lease showing sand availability.
5. Comparable Google images of various months showing submerged area during monsoon period and dry area suitable for sand mining in dry season.

PP vide their letter dated 03.04.2021 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 Prior Environment Clearance for Orgai-1 Sand Quarry in an area of 4.00 ha. (1,04,850 cum per annum) (Khasra No. 1), Village – Orgai, Tehsil - Singrauli, Dist. Singrauli (MP) subject to the following special conditions and as per Annexure-B:

(A)PRE-MINING PHASE

1. 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.
2. Mining activities shall be carried out only after the month of January every year (when lease becomes dry & minable) and after the joint site visit of Regional Officer, MP Pollution Control Board, Singrauli and Mining Officer, Singrauli who will verify that the mine site is dry and mining is possible as per the prescribed norms.
3. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
4. 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.
5. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
6. PP will also carry out fencing all around the lease area.
7. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
8. For dust suppression, regular sprinkling of water should be undertaken.
9. Transportation road shall be made WBM Road and shall be constructed prior to operation of mine.
10. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

11. Only semi mechanized mining shall be carried out.
12. No intermediate stacking is permitted at the mine site.
13. Overhead sprinklers shall be provided in mine.
14. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three 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.
15. 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 10,500 trees shall be planted on barrier zone, backfilled area and along the transportation route.
16. Transportation of sand shall be done in covered vehicles.
17. Transportation of sand shall not be carried out through forest area.
18. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
19. 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.
20. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
21. The commitments made in the public hearing are to be fulfilled by the PP.
22. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
23. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

24. In the proposed EMP, capital cost is Rs. 40.80 Lakh is proposed and Rs. 11.19 Lakh /year as recurring expenses.
25. Under CER following physical target based activities based on public hearing has proposed by PP :

SN	Commitment towards public hearing Issue in terms of Physical Target
1	Providing infrastructure support like 5 ceiling fan, 20 chair, 20 Desk, Two toilets with water facility and One computer etc to the village school at Orgai
2	Suitable grass species will be shown in the 1.00ha grazing land of the village area

26. 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.
27. 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.

11. Case No 7634/2020 M/s R.K.Transport and Construction Ltd, 65-A, Transport Nagar, Dist. Korba, CG - 486889 Prior Environment Clearance for Sand Quarry in an area of 4.00 ha. (1,05,150 cum per annum) (Khasra No. 412), Village - Harrahawa-3 Tehsil - Singrauli, Dist. Singrauli (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 412), Village - Harrahawa-3 Tehsil - Singrauli, Dist. Singrauli (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 3014 dated: 19/08/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 12.00 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 458th SEAC dated 22/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 22/3/2021 which was forwarded through SEIAA vide letter no. 7813 dated 30/3/2021, which was placed before the committee.

PP and their consultant presented the EIA before the committees, PP stated following point :

- The mine lease of river sand mine on submerged area of Rihand River is spread over an area of 4.00 ha in Village –Harrahawa, Tehsil- Singrauli, Dist- Singrauli, State - Madhya Pradesh.
- The Letter of intent for the lease has been granted to Project Proponent M/s R. K. Transport & Construction Ltd. by the Madhya Pradesh State Mining Corporation

Limited, Bhopal vide letter no. S. No. /Sand/2020/ 643 Bhopal, Dated 27.02.2020 as per the provisions of M.P. State Sand Mining Policy – 2019.

- Mine Plan and Replenishment Study Plan has been approved by Office of Collector (Mining Division), Dist. Singrauli (MP) vide letter no. क्रमांक / 2361 / ख.यो. / रेत / अनु. / 2020 सिंगरौली, दिनांक 06.07.2020 for a production capacity of 105150 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no क्रमांक / 3014 / खनिज / रेत / ए.प्र.प. / 2020 सिंगरौली, दिनांक 14.08.2020
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 712/PS-MS/MPPCB/SEAC/TOR (458)/2020 Bhopal, Dated 06/10/2020.
- Public Hearing has been conducted on dated 06/02/2021 near project area
- Opencast Semi mechanized method for mining by scrapping in 3.0 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.
- Evacuation will be 1000 m long & 6.0 m width road which connect to village road and further connected to SH.

Replenishment Capacity- Rihand River

- The Rihand rises from Matiranga hills, in the region south west of the Mainpat plateau, which is about 1,100 meters above mean sea level. Rihand river is major tributary of Sone River. Sone river finally flows into Ganga River.
- River course is around 213 km approx. from the origin to the Rihand river dam
- Gradient of river is High i.e. highest elevation 539m at origin place of river and while lowest is about 265 m above MSL at QL area, approx. 274m elevation difference. The upstream catchment area is around 13333.26 sq.km.
- Rihand flood plain region's annual precipitation is about 300mm and a big factor that engineers sand transportation from its origin to sand mining area.
- Hence it is concluded that the annual production capacity which will be excavated at the QL area will be replenished easily*.
(*QL Area = 4.00 ha. Required quantity of sand is available at the QL area. The annual production capacity 105150m³ which will be easily replenished)
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold

computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 21795013 M. tons/Year.

- The Annual Replenished Sand in Rihand River is 13621883 cum.
- Hence it is concluded that the annual production capacity (105150cum/annum) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the Gram Panchayat Bhawan, Aangan badi, School as per submitted scheme.

During presentation it was observed by the committee that most part of the lease is submerged in the water. PP submitted that the image is of December, 2020 and after february the lease becomes dry and sand can be evacuated which can also be verified from the past Google images. PP further submitted that Mining Officer vide letter no. 4447 dated 16/09/20 has also informed that the sanctioned lease is under the submergence of Rhind Reservoir and are minable only after October/November when water recedes down and lease becomes dry. PP submitted that they will mine only when the water recedes down and lease becomes dry. PP further submitted that sand is being evacuated from all such leases in Singrauli District which can be verified from the survey report (2018-19) of Office of Collector stating production of sand in previous years in Singrauli District. Committee after deliberations recommends that mining shall be permitted only after the joint site visit of Regional Officer, MP Pollution Control Board, Singrauli and Mining Officer, Singrauli who will verify that the mine site is dry and mining is possible as per the prescribed norms. After presentation and deliberation, PP was asked to submit following information:

1. Commitment for evacuation of sand during dry season.
2. Copy of Mining Officer Letter no. 4447 dated 16/09/20.
3. Copy of survey report of Office of Collector stating the production of sand in previous years in Singrauli District.
4. Photographs of lease showing sand availability.
5. Comparable Google images of various months showing submerged area during monsoon period and dry area suitable for sand mining in dry season.

PP vide their letter dated 03.04.2021 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 Prior Environment Clearance for Harrahawa-3 Sand Quarry in an area of 4.00 ha. (1,05,150 cum

per annum) (Khasra No. 412), Village – Harrahawa, Tehsil - Singrauli, Dist. Singrauli (MP) subject to the following special conditions and as per Annexure-B:

(A) PRE-MINING PHASE

1. 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.
2. Mining activities shall be carried out only after the month of January every year (when lease becomes dry & minable) and after the joint site visit of Regional Officer, MP Pollution Control Board, Singrauli and Mining Officer, Singrauli who will verify that the mine site is dry and mining is possible as per the prescribed norms.
3. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
4. 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.
5. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
6. PP will also carry out fencing all around the lease area.
7. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
8. For dust suppression, regular sprinkling of water should be undertaken.
9. Transportation road shall be made WBM Road and shall be constructed prior to operation of mine.
10. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

11. Only semi mechanized mining shall be carried out.
12. No intermediate stacking is permitted at the mine site.
13. Overhead sprinklers shall be provided in mine.
14. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three 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.
15. 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 10500 trees shall be planted on barrier zone, backfilled area and along the transportation route.

16. Transportation of sand shall be done in covered vehicles.
17. Transportation of sand shall not be carried out through forest area.
18. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
19. 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.
20. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
21. The commitments made in the public hearing are to be fulfilled by the PP.
22. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
23. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

24. In the proposed EMP, capital cost is Rs. 39.08 Lakh is proposed and Rs. 11.22 Lakh /year as recurring expenses.
25. Under CER activity, following activities are proposed based public hearing issues.

SN	Commitment towards public hearing Issue in terms of Physical Target
1	Providing infrastructure support like 5 ceiling fan, 20 chair, 30 desk, 2 Alamaris, Boys and Girls toilets with water facility, etc to the village School at Harrahawa
2	Suitable grass species will be shown in the 1.00ha grazing land of the village area

26. 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.
27. 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.

12. Case No 8451/2021 M/s Helios Lifesciences Ltd, Shri Sunil Gandhi, Director, 17, Shree Ram Colony, Dist. Gwalior, MP - 474002 Prior Environment Clearance for Manufacturing of Bulk Drug & API Product having capacity of 578 TPA at Malanpur Industrial Growth Centre, Village - Malanpur, Tehsil - Gohad, Dist. Bhind, (MP) Cat. - 5(f) Project Synthetic Organic Chemicals Industry (dyes & dye intermediates; bulk drug).

This is case of Prior Environment Clearance for Manufacturing of Bulk Drug & API Product having capacity of 578 TPA at Malanpur Industrial Growth Centre, Village - Malanpur, Tehsil - Gohad, Dist. Bhind, (MP). The proposed project falls under item no 5(f) i.e. Synthetic organic chemicals hence requires prior EC from SEIAA before initiation of activity at site.

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

Salient Feature of Project

- The company proposes to set up a new project to establish a Contract Research and Manufacturing Facility for Bulk Drugs, Intermediate, Specialty Chemical at Plot No. 79 & 100, Industrial Area, Malanpur, Dist-Bhind (MP) for manufacturing of 578 per Annum
- An already established factory shed of M/s Kodak India Limited spread in an area of 19,789.15 M² on plot numbers 79 & 100 in Malanpur Industrial area has been acquired by M/s Helios Lifesciences Limited. The entire Infrastructure including plant and machinery of Kodak India Limited has been acquired for establishing Contract Research and Bulk Drug Manufacturing Services (CRAMS) Unit
- The project occupies a plot Area of 19789.15 sqmt of land. The total fixed cost of the project is estimated as INR 2150 Lacs.
- The major facilities will be Boiler, MEE (10 KLD), Reactors, Cooling Towers, Effluent Treatment Plant (ETP-40 KLD), and R.O Plant (20 KLD). Facilities like administrative office, parking and greenbelt/plantation has already been developed .
- Total raw water requirement for the proposed project will be 40 (28 KLD fresh water and 12 KLD recycled water). The water will be sourced from IIDC Gwalior (MP)The total wastewater generation will be 16.00 KLD
- Solid waste generated during the manufacturing process and wastewater treatment process is mainly sludge and will be disposed at authorized TSDF facility, as per Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2008

(Amendment 2016). M/s RLSPL will take authorization Under Hazardous Waste (Management, Handling & Transboundary Movement), Rules.

- Power will be sourced from existing line of 'Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company'. The total requirement will be 300 KVA In case of power failure, D.G. of 1X250 KVA will be used as a backup power source.

The total capital cost for environmental measures is kept as Rs. 141.400 Lacs (capital cost) is allocated for environmental management systems and the annual recurring cost for the same is Rs 94.90 Lacs

Project Name	Manufacturing of Bulk drug and Intermediates
Location	Malanpur Industrial Area, Dist. Bhind
Production capacity	578 M Ton per Anum, (48.17 MT per month)
Estimated Project Cost	Proposed : 21.50 Crore
EMP Cost (Capital)	Proposed : -141.40 Lacs
EMP Cost Recurring	Proposed 94.90 Lacs
Acquired Land	19789.15 sqmtrs
Total Water Consumption	Total= 40 KLD
Net fresh Water Consumption	28 KLD as fresh 12 KLD of treated water will be recycled.
Source of Water Supply	AKVN
Waste Water Generation	Total= 16 KLD
Treatment Facility available and proposed	Effluent treatment facility ETP is of 40 KLD, RO of 20- KLD and proposed MEE of 10 KL/day. The treated water will be used for cooling towers, floor washing and green belt.
Source of power supply	Madhya Kshetra Vidyut Vitaran Company
Power Requirement	Total :300-KVA
Fuel Options	Thermo Pack : FO : 54kg/hour.
Coal/Agro waste (TPD)	Boiler -1 :Coal/bio fuel/Pet coke : 36 Kg/Hr

FO (Lit/Hr)	Boiler -2 :Coal/bio fuel/Pet coke : 54 Kg/Hr Thermopack : FO : 50Kg/hour DG set : HSD : 45kg/hour
Major equipments	Reactors, Centrifuge, Vacuum Try Dryer, Filters, Boiler, Cooling Tower, MEE, ETP, Brine Plant, Chilling Plant and RO etc.
Green belt (sqmt)	7530 Sq Meter
Employment generation	proposed : 150

Name Of Proposed Product

S.No.	Name Of Proposed Product	Quantity in TPA	Major Uses/ End Use
1	Carboplatin	14	Oncology (Anti-Cancer)
2	Cisplatin		
3	Docetaxel Trihydrate		
4	Paclitaxel		
5	Imatinib Mesylate IP		
6	Erlotinib Hydrochloride IP		
7	Letrozole USP/BP		
8	Pemetrexed dosodium IP		
9	Gefitinib IP		
10	Oxaliplatin		
11	Bortezomib		
12	Bendamustine Hydrochloride		
13	Fosaprepitant Dimeglumine		
14	Capecitabine		
15	Gemcitabine Hydrochloride		
16	Hydroxyurea		
17	Fludarabine Phosphate		
18	Methotrexate		
19	Nilotinib Hydrochloride		
20	Sorafenib Tosylate		
21	Temozolomide		
22	Etoposide		

23	Eribulin Mesylate		
24	Dacarbazine		
25	Bicalutamide		
26	Thalidomide		
27	Fulvestrant		
28	Vinblasine Sulphate		
29	Vincristine Sulphate		
30	Vinorelbine Tartate		
31	Carfilzomib		
32	Cytarabine		
33	Zoledronic Acid		
34	Boceprevir		
35	Apremilast		
36	Bexpiprazole		
37	Anastrozole		
38	Cabazitaxel		
39	Flutamide		
40	Irinotecan Hydrochloride		
41	Axitinib		
42	Crizotinib		
43	Osimertinib		
44	Brigatinib		
45	Pazopanib Hydrochloride		
46	5-Fluorouracil		
47	Afatinib dimaleate		
48	Ibrutinib		
49	Olaparib		
50	Ceritinib		
51	Dasatinib		
52	Lapatinib		
53	Chlorambucil		
54	Melphalan HCl		
55	Carmustine		
56	Enzalutamide		
57	Palbociclib		
58	Regorafenib		
59	Acalabrutinib		

60	Apalutamide		
61	Neratinib		
62	Ponatinib HCl		
63	Trabactidine		
64	Topotecan		
65	Abiraterone Acetate		
66	Nilotinib Dihydrochloride		
67	Nintedanib		
68	Ruxolitinib		
69	Tofacitinib		
70	Sunitinib Maleate		
71	Lenvatinib		
72	Cediranib		
73	Palibociclib		
74	Cabozatinib		
75	Lomustine	16	Antibiotic
76	Moxifloxane Hydrochloride		
77	Nitrofurantoin		
78	Tegicyline		
79	Colistimethate Sodium	3	Anticoagulant (Biological)
80	Enoxaparin Sodium		
81	Heparin Sodium		
82	Dalteparin Sodium		
83	Nadroparin Calcium		
84	Bemiparin		
85	Tinzaparin		
86	Parnaparin		
87	Reviparin		
88	Ardeparin		
89	Certoparin		
90	danaparoid		
91	Gensparin	2	Anticoagulant (Synthetic)
92	Ticagrelor		
93	Apixaban		
94	Dabigatran Etxilate Mesylate		
95	Rivaroxaban		
96	Fondaparinux		

97	Atracurium Besylate	0.5	Neuromuscular blocking agent
98	Vecuronium bromide		
99	Rocuronium bromide		
100	Misoprostol	6	Antiulcers
101	Cadexomer Iodine		
102	Glycopyrrolate		
103	Canagliflozin	0.5	Anti Diabetic
104	Dapagliflozin		
105	Sitagliptin		
106	Empagliflozin		
107	Vigabatrin	160.2	Other APIs
108	Dextromethorphan Hydrobromide		
109	Trazodone HCl		
110	Tacrolimus		
111	Rifaximin		
112	Diphenoxylate HCL		
113	Luliconazole		
114	Caspofungin Acetate		
115	Pinaverium Bromide		
116	Ketotifen Fumarate		
117	Hydroxychloroquine sulfate		
118	Norethindrone Acetate		
119	Bretylium Tosylate		
120	Aripiprazole		
121	Citicoline Sodium		
122	Isotretinoin		
123	Ursodeoxycholic Acid		
124	Chlorothalidone		
125	Propofol		
126	Cerebroprotein Hydrolysate		
127	Trimetazidine		
128	Niacin		
129	Niacinamide		
130	Chromium Picolinate		
131	Coenzyme Q10		
132	Fexofenadine Hydrochloride		
133	Isoniazid		
134	Methyl Cobalamin		

135	Cyanocobalamin		
136	Hydroxocobalamin		
137	Chlorhexadine		
138	Calcium stearate		
139	Magnesium stearate		
140	Crosscarmilose sodium		
141	Methyl paraben		
142	Isosorbide		
143	MethoxyPhenacyl Bromide		
144	4-Aminopyridine		
145	Chlorhexadine Gluconate		
146	Cetrimide		
147	4- aminobenzaldehyde		
148	Thyroxine sodium		
149	MethoxyPhenacyl Bromide		
150	4-Aminopyridine		
151	Remdesivir		
152	Baclomethasone	9	Steroid Product and its Intermediate
153	BaclomethasoneDipropionate		
154	Betamethasone		
155	Betamethasone Dipropionate		
156	Betamethasone sodium phosphate		
157	Betamethasone Valerate		
158	Dexamethasoene		
159	Dexametahsone Sodium Phospahte		
160	Clobetasol		
161	Flumethasone		
162	fluorometholone		
163	fluorometholone Acetate		
164	Hydroxoprogeterone		
165	HydroxoprogeteroneCaproate		
166	Mometasoenefuroate		
167	Nandrolone		
168	Nandrolonedecoate		
169	Deflazacort		
170	Triamcinolone acetone		
171	Hydrocortisone Acetate		
172	Hydrocortisone hemisuccinate		
173	Methyl Prednisolone		

174	Prednisolone acetate		
175	Prednisolone Sodium Phospahte		
176	Helobetasol Propionate		
177	Tetsosterone		
178	Testosterone cypionate	0.8	Hormones
179	Testosterone propionate		
180	Testosterone Deconoate		
181	Methyl testosterone		
182	Alpha Picolinic Acid	346	Other Bulk Intermediates
183	Zinc Picolinate		
184	Isonicotinic Acid		
185	Isonipectic Acid		
186	3-(Trifluoromethyl)-5,6,7,8-tetrahydro-[1,2,4]triazolo[4,3-a]pyrazine hydrochloride (Sitagliptin intermediate-2) (762240-92-6)		
187	2,4,5-trifluoro phenylacetic acid (Sitagliptin intermediate-1) (209995-38-0)		
188	Boc-(R)-3-Amino-4-(2,4,5-Trifluoro-Phenyl)-Butyric Acid		
189	2,4-Difluorobenzylamine (72235-52-0)		
190	2,4-Difluorobenzylalcohol (56456-47-4)		
191	(S,S)-2,8-Diazabicyclo[4,3,0]nonane 151213-42-2/151213-40-0)		
192	(S)-2-Aminobutyramide Hydrochloride [SABAM HCl] (7682-20-4)		
193	GCLE (104146-10-3)		
194	4-Fluorophenol (371-41-5)		
195	3-Fluorophenol (372-20-3)		
196	2,4-Dichlorobenzonitrile (6574-98-7)		
197	2,4,6-trifluorobenzyl amine (214759-21-4)		
198	5,7-difluorochroman-4-one (844648-22-2)		
199	5,7-difluorochroman-4-ol (917248-51-2)		
200	4-hydroxy-N,N-2-trimethyl-1-(4-methylbenzene-1-sulfonyl)-1H-benzimidazole-6-carboxamide (942195-86-0)		
201	4R-5,7-difluoro-3,4-dihydro-2H-1-benzopyran-4-ol (1270294-05-7)		

202	2,6-Dichloro-4-trifluoromethyl aniline (24279-39-8)		
203	4-Fluorobenzonitrile (1194-02-1)		
204	4-Fluorobenzylamine (140-75-0)		
205	1,3,4-trifluorobenzene (367-23-7)		
206	2,6-Difluoro Aniline (5509-65-9)		
207	2,6-Difluorobenzonitrile (1897-52-5)		
208	4-chloro-N-Methyl Picolinamide (2200000-87-3)		
209	2,6-Difluorobenzamide (18063-03-1)		
Total (TPA)		578	

Land Use Pattern

S.No.	Name of the Building	Block type	Length (Mtr)	Width (Mtr)	Area (SQM)
1	Security Room Gate	RCC	2.5	2.5	6.25
1A	Security Room Gate	RCC	2.5	2.5	6.25
2	Admin Office	RCC	13.5	11.7	319.49
3	RM Stores	Shed	9.6	34.14	327.74
3A	Packing Material Shed	Shed	9.9	31.9	315.81
3B	Unloading Area	Shed	9.6	4	38.4
4	Production Block-I	RCC	34.02	19.64	668.15
5	Production Block-II	Shed	11.79	14.09	166.12
6	Quality Control	Shed	11.33	17.03	162.69
7	Passage for Pantry	Shed	1.5	10	15
8	Change Room	Shed	5.4	4	21.6
9	Toilet Block	Shed	6	5	30
10	Canteen	Shed	11.79	6.8	80.17
11	Intermediate Block	Shed	12.4	22	272.8
12	Future Production Block	Shed	32.6	22	717.2

13	Solvent Tank Storage	Shed	11.9	11.3	134.47
14	Drum Storage Yard	Shed	16.2	6.5	105.3
15	DM Plant & Workshop	RCC	13	5	65
16	Engineering Store	Shed	7.6	6.95	52.82
17	Overhead Watertank	RCC	7.1	3.945	28.0095
18	LT Panel	RCC	9	9.5	85.5
19	Generator Room	RCC	9	9.5	85.5
20	Utility Shed	Shed	4.5	9.5	42.75
21	Production Block-III	Shed	12.2	11.92	145.424
22	ETP	Open	14	32	448
S.No.	Name of the Building	Block type	Length (Mtr)	Width (Mtr)	Area (SQM)
23	Boiler	Shed	6.3	6.2	39.06
24	Coal Shed	Shed	12	4	48
25	Proposed ETP	Open	10	16	160
26	Hazardous Waste Storage	Shed	9.2	3	27.6
27	Pump House	Shed	7.38	6.6	48.708
28	Scrap Yard	Shed	20	7	140
29	Proposed Formulation OSD Plant	Shed/RCC	36	20	720
30	Proposed Formulation Injectable Plant	Shed/RCC	36	20	720
31	HT Yard	Open	10	9	90
	Total				6333.8112

Land Use Pattern		
S.no	Area	Total Area (Sq.Mtr)
1	Total Plot Area	19789.15
2	Total Built up Area	6333.81
3	Green Area/Plantation Area	7530

WATER BALANCE

-	-	Water Consumption, (KL/day)	Wastewater Generation, (KL/day)	Remarks
S.No.	Category	Proposed Total	Proposed Total	
1	Domestic	3.0	0.5	Fresh Water
2	Gardening	3.0	0.0	Recycled Water
3	Industrial			
i	Process	6.0	3.5	Fresh Water
ii	Boiler*	9.0	0.5	RO + Softener + Boiler Condensate
iii	Cooling Tower*	3.0	--	From MEE condensate
iv	Utensil washing	3.0	2.5	Fresh Water
v	Softener /MEE/DM plant	-	0.5	Fresh Water
vi	R&D/QC	0.5	0.5	Fresh Water
vii	Other/ scrubber	0.5	0.5	-
viii	RO	12.0	7.0	-
ix	Process High COD	-	0.5	-
Total Industrial		34	16.0	
Total (1+2+3)		40		
Recycle*		12		
Actual fresh water requirement		28		

- Storm water drainage system shall be developed and shall be maintained preciously to prevent the flow of silt and other contaminant outside of the site
- The entire trade effluent will be divided into two streams i.e. Stream-I (high concentrated streams) and Stream-II (low concentrated stream). Both the streams will be treated in well-designed ETP, RO and MEE.
- Low COD /TDS wastewater (including process effluent, washing, blow downs from cooling towers, boiler, scrubber, Softener regeneration) will be sent to ETP followed by RO. Treated water will be reused.
- High COD / TDS wastewater (consisting process effluent & RO reject) will be sent to MEE/ATFD. Condensate will be reused and bottom salt will be sent to a common TSDF site.
- Utilization of treated wastewater in toilet flushing, greenbelt development and dust suppression

- A drain along the boundary wall shall be made, which will be connected proposed settling tank to protect the flow of contaminant towards nearby area
- M/s Helios will install Multi Effective Evaporator, with treatment capacity of 05 KL/Hr. The treated water will be used for cooling towers, floor washing and gardening/green belt.
- Storm water drainage system will be developed for unit and shall be maintained preciously to prevent the flow of silt and other contaminant outside of the site.
- Blow downs from cooling towers, boiler, ACF/MGF Cleaning, Softener regeneration, Vacuum pump will go to ETP
- Water harvesting structure need to provide further strength with proper maintenance
- ZERO effluent discharge has been implemented, and after expansion, the same shall be maintained.

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 Project of Manufacturing of Bulk Drug & API Product (578 Tonne per Annum) By M/S Helios Life Science Ltd, at Plot No. 79 &100 at Malanpur Industrial Area, Dist Bhind (MP) under Cat. 5(f) Synthetic Organic Chemicals Industry (Bulk Drug) Project subject to the following special conditions:

(A) Statutory compliance:

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

(B) Air quality monitoring and preservation

1. 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. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (if applicable). The gaseous emissions from the boiler, DG set and scrubber shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
4. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
5. The DG sets (1 X 250 KVA-Proposed) 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.
6. 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.
7. 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. The High COD/TDS process effluent (9 KLD) and RO Reject will be treated through MEE/ ATFD. The MEE condensates will be recycled/ reused and MEE bottom will be sent to TSDF site
4. The Low COD/TDS effluent, [7 KLD)] will be treated in an on-site ETP of 40 KLD.
5. The treated effluent will be reused/ recycled.
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. Total net fresh water requirement shall not exceed 28 KLD and Tanker water supply shall be used
9. 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.
10. 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.
11. 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 (1X250 KVA) 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.

(A) Energy Conservation measures

1. The energy sources for lighting purposes shall preferably be LED based.
2. The total power requirements for project will be 300 KVA . The power will be supplied by Madhya Pradesh Electricity Board. Coal/ Bio Fuel/ Pet Coke will be used in existing boiler of 1 X 0.6 TPH and Proposed Boiler of 1 X 2 TPH

(B) 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. As proposed, 95% solvent recovery shall be achieved and recovered solvent shall be reused in the process.

3. Hazardous wastes such as spent solvents, organic incinerable wastes/residues, used filter bags, packaging materials, rejected/expired raw materials and off specification/ rejected finished products from the manufacturing plants shall be directly sent to CTSDf, Dhar.
4. The Fly ash generated from boilers shall be stored in silos and disposed of through cement manufacturers by bulkers / closed containers and should comply with Fly Ash Utilization Notification, 1999 and as amended subsequently.
5. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
6. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
7. 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.
8. 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.
9. 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.
10. 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.
11. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
12. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
13. 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.
14. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
15. 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.
16. The company shall undertake waste minimization measures as below:
 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in

other processes.

- c. Use of automated filling to minimize spillage.
- d. Use of Close Feed system into batch reactors.
- e. Venting equipment through vapour recovery system.
- f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.

(C) Green Belt

1. The green belt of 5-10 m width shall be developed over 1000 sq. meter apart from the existing green belt (6530 Sq mtrs) within and periphery of plant (with total of 850 no), in downward wind direction and along road sides etc. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department.
2. 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 5000 no of plants in Two years shall be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

(D) 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.

(E) EMP

1. 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.
2. 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.
3. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
4. The proposed EMP cost is Rs. 141.40 Lakhs as capital and 94.90 Lakhs /year as recurring cost.
5. 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.
6. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
2. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.

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

13. Case No 7533/2020 Shri Mahendra Kumar Malviya S/o Late SHri Kaluram Malviya, R.K.Puram, Badora, Dist. Betul, MP – 460001 Prior Environment Clearance for Stone Quarry in an area of 6.433 ha. (75441 cum per annum) (Khasra No. 314, 315/1/1, 315/1/2, 315/2, 315/3, 316/1, 316/2, 141), Village - Nahiya, Tehsil - Betul, Dist. Betul (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 314, 315/1/1, 315/1/2, 315/2, 315/3, 316/1, 316/2, 141), Village - Nahiya, Tehsil - Betul, Dist. Betul (MP) 6.433 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. 1084 dated: 29.07.2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 8.68 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 456th SEAC dated 17/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 26/3/2021 which was forwarded through SEIAA vide letter no. 7819 dated 30/3/2021, which was placed before the committee.

PP and their consultant presented the EIA before the committee, PP stated that this is case of Stone Quarry with proposed production capacity of 75,441 cum per annum. 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 75,441 cum of Metal stone will be excavated per annum and the estimated project cost is Rs. 0.75 Crore.
- The mining lease (area 6.433 Ha) has been granted in favour of Shri Mahendra Kumar Malviya with Khasra No.- 314, 315/1/1, 315/1/2, 315/2, 315/3, 316/1, 316/2, 141 situated in Village Nahiya Tehsil Betul, District betul, M.P. Mining will be carried out on the basis of govt. consent order for mining operations. A total mineable reserve as per the mining plan is 8,14,600 cum & with maximum of production of mineral 75,441 cum for 10 years.
- The proposed project is an opencast and Semi-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 75,441 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. Submit physical targets based Corporate Environment Responsibility (CER) activities based on public hearing.
2. Revised EMP.

PP vide their letter dated 03.04.2021 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 6.433 ha. (75,441 cum per annum) (Khasra No.314, 315/1/1, 315/1/2, 315/2, 315/3, 316/1, 316/2, 141), Village - Nahiya, Tehsil - Betul, Dist. Betul (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 four 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.
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 1700M X 1.5M X 1M. The settling tank will be 04 in number of 2 of which having size 10mx 4m x 2.5m, 1 of settling tank with size 15m x 4m x 2.5m& 1 No of settling tank with size 20m x 4m x 2.5m.
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:

Particulars	Present Area in (ha)	After 5 years Area in (ha)	At the end of mine life Area in (ha)
Pits	0.000	4.844	-
Office & Rest Shelter (barrier zone)	0.000	0.010	0.000
Plantation (within Barrier Zone)	0.000	1.267	1.267
Dump	0.000	0.312	0.000
Water Body	0.000	0.000	4.844
Unused	6.433	0.000	0.322
Total	6.433	6.433	6.433

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. 18.05 Lakh is proposed and Rs. 6.31 Lakh /year as recurring expenses.
34. Under CSR activity, Rs. 2.5 Lakh is proposed as capital expenses respectively in different activities and should be implemented through respective committees.

Sr.No.	Village Name/ No of household	Particular	Year wise
1	Nahiya	<p>Construction of a toilet at village Aagnawadi kendra of Nahiya.</p> <p>Plantation (200 nos) shall be done at graveyard of the village Nahiya and along the road leading to graveyard.</p> <p>Contribution for repairing of the road leading to graveyard along with installation of drinking water facility there.</p> <p>Installation of 2 Solar Panels at Mine Premises and 3 along approach road.</p> <p>Organizing half yearly medical health checkup program for the villagers of Nahiya & Malkota in consultation with local panchayat</p> <p>Distribution of masks (1000nos) and sanitizers(500nos) to villagers for 1st year only*</p> <p>Development and maintenance of grassland on a nearby suitable government land (1 acre) (for 1st, 2nd , 3rd, 4th and 5th year)**</p>	1st - 5th Year

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.

14. Case No 8461/2021 Gaurav Bhanot, Director, Jyoti Talkies, Naudra Bridge, Dist. Jabalpur, MP - 482002, M.P.- 482002 Prior Environment Clearance for Construction of 'KRISHNA AVTAR JYOTI' (Conversion of Old Cinema into Multiplex with Shops) [Total Plot Area - 4933.14 sqm, Total Built-up Area – 20,348.49 sqm] at Plot No. 3/1, Civil Station Block No. 7, Tehsil & Dist. Jabalpur, (MP)

This is case of Prior Environment Clearance for Construction of 'KRISHNA AVTAR JYOTI' (Conversion of Old Cinema into Multiplex with Shops) [Total Plot Area - 4933.14 sqm, Total Built-up Area - 20348.49 sqm] at Plot No. 3/1, Civil Station Block No. 7, Tehsil & Dist. Jabalpur, (MP).

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

- This proposed project is conversion of Old Cinema Into Multiplex With Shops
Comprising Total Plot Area = 4933.14 sqm, Total Built up Area = 20348.49 sqm on
Plot No. – 3/1, Civil Station Block No. 7, Tehsil & District- Jabalpur (M.P.)
- The project involves the construction of 29 Shops, 1 No. storage room, 4 Nos. of
Cinema hall, 1 No. Restaurant, 2 No. Game Room, 1 No. Canteen, 2 Clock room,
10 Nos. Hall & Lift machine room. The total maximum heights of the project will
be 30 Mts. (B1+B2+B3 + 6 Floors).
- The total b/up area of existing Jyoti Talkies building was 759.01 Sq.mt, which is
under demolition. All the demolition debris which is 2504.11 cum. proposed to be
disposed off on Nagar Nigam sites on chargeable basis.

S.No.	Item	Details
1	Name of the Project/s	KRISHNA AVTAR JYOTI (CONVERSION OF OLD CINEMA INTO MULTIPLEX WITH SHOPS) OF M/S KA REALBUILD PVT. LTD.
2	S.No. in the Schedule	The project is categorized as 'B-2' under item 8 (a) of Schedule-Gazette Notification dated Sep 14th, 2006 and subsequent amendments issued by MoEF, New Delhi on 01.12.09 and 04.04.2011.
3	Proposed capacity / area / length / tonnage to be handled / command area / lease area / number of wells to be drilled	Total Plot Area : 4933.14 m ² Total Built up Area -20348.49 m ² Greenbelt area – 487.10m ² Total Parking-213ECS
4	New / Expansion / Modernization	New
5	Existing Capacity / Area etc.	Not Applicable
6	Category of Project i.e. 'A' or 'B'	B (B2)
7	Does it attract the general conditions? If yes, please specify	Not Applicable
8	Does it attract the Specific conditions? If yes, please specify.	Not Applicable
9	Location	Coordinates: 23° 9'54.77"N, 79°56'8.82"E ON Plot No. – 3/1, Civil Station Block No. 7, Tehsil & District- Jabalpur (M.P.)– India
	Plot / Survey / Khasra No	Plot No. – 3/1
	Village	Civil Station Block No. 7
	Mandal	Jabalpur
	District	Jabalpur
	State	Madhya Pradesh
10	Nearest railway station / airport along with distance in km	Jabalpur Railway Station–1.28 KMS in SE Jabalpur Airport–10.86 KMS (E)
11	Nearest town, city, district headquarters	Nearest City – Jabalpur Within Municipal Area

	along with distance in km	District Head Quarter- Jabalpur-0.906 Kms (E)
13	Name of the applicant	M/S KA REALBUILD PVT. LTD.
14	Registered Address	Jyoti Talkies, Naudra Bridge, Jabalpur, M P - 482002
15	Address for Correspondence	Jyoti Talkies, Naudra Bridge, Jabalpur, M P - 482002
	Name	Mr. Gaurav Bhanot
	Designation (Owner/Partner/CEO)	Director
	Address	Jyoti Talkies, Naudra Bridge, Jabalpur, M P - 482002
	Pincode	482002
	E-mail	karealbuild@gmail.com
	Telephone no.	7771893867 / 9009222777
	Fax no.	-
16	Details of Alternate Sites examined, if any. Location of these sites should be shown on a toposheet.	Not Applicable
17	Interlinked Projects	Not Applicable
18	Whether separate application of interlinked project has been submitted.	Not Applicable
19	If yes, date of submission	Not Applicable
20	If no, reason	Not Applicable
21	Whether the proposal involves approval / clearance under: if yes, details of the same and their status to be given (a) The Forest (Conservation) Act, 1980? (b) The Wildlife (Protection) Act, 1972? (c) The C.R.Z. Notification, 1991?	Not Applicable

22	Whether there is any Government Order / Policy relevant / relating to the site	No
23	Forest Land involved (hectares)	No Forest land is involved in the project
24	Whether there is any litigation pending against the project and / or land in which the project is proposed to set up? (a) Name of the Court (b) Case No. (c) Orders / directions of the court, if any and its relevance with the proposed project.	No litigations pending against the project.

During presentation PP submitted that the old buildings will be demolished and new multiplex with shops will be constructed. After presentation 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 Construction of 'KRISHNA AVTAR JYOTI' (Conversion of Old Cinema into Multiplex with Shops) [Total Plot Area - 4933.14 sqm, Total Built-up Area – 20,348.49 sqm] at Plot No. 3/1, Civil Station Block No. 7, Tehsil & Dist. Jabalpur, (MP), 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 lightening etc.
- iii. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.
- iv. The project proponent shall obtain the necessary permission for drawl of 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. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- vii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.
- viii. 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. 2075 KVA Total Power Requirement, 2 Diesel power generating sets 1250 kVA * 2 nos. proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. 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 walls all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. 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.
- viii. The gaseous emission from DG sets 1250 KVA x 2 nos. shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG set 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.

- ix. 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 44 KLD out of which 12.03 KLD is domestic water requirement, 18.78 KLD flushing water requirement and 12.43 KLD Landscaping & Misc. purpose. Total 20.23 KLD recycled water will be generated & 100% recycled water will be used for flushing, landscaping & Misc. purpose. This is a ZLD project.
- 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 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 bye-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. For rainwater harvesting, 2 recharge pits will be constructed for harvesting rain water. The recharge capacity of these pits about 7 cum each. Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xiii. 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.
- xiv. All recharge should be limited to shallow aquifer.
- xv. No ground water shall be used during construction phase of the project.
- xvi. 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.
- xvii. Sewage shall be treated in the MBBR based STP (Capacity - 30 KLD). The treated effluent from STP shall be recycled/re-used for flushing and gardening with zero discharge.
- xviii. The waste water generated from the project shall be treated in STP of 30 KLD capacity (based on MBBR technology) and then reused for various purposes. No water body or drainage channels are getting affected in the study area because of this project.
- xix. No sewage or untreated effluent water would be discharged through storm water drains.
- xx. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxi. 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 set, 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 501.07 Kg/day, this consist all types of wastes (as Organic waste 275.58 Kg/day and non- organic waste 225.48 Kg/day),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 (501.07 KG/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/LEDs 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 32 trees, 200 ornamental plants + 500 hedges shall be planted in the area of 487.10 m² (10 % of Net plot area) which is developed as greenbelt development.
- ii. No 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 10 sqm of land should be planted and maintained. 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. Topsoil should be stripped to depth of 1 m 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 213ECS (in which 53ECS in lower basement, 53 ECS in Upper basement, 107 ECS in basement).

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. EMP

- i. 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.
- ii. 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.

- iii. For Environment Management Plan PP has proposed Rs.162.00 Lakhs as capital and Rs. 17.55Lakhs/Year as recurring cost for this project.

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.

15. Case No 8441/2021 Shri Gajraj Singh S/o Shri Pritam Singh, Village - Damejar, Tehsil - Kailaras, Dist. Morena, MP Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (20000 cum per annum) (Khasra No. 953), Village - Damejar, Tehsil - Kailaras, Dist. Morena (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 953), Village - Damejar, Tehsil - Kailaras, Dist. Morena (MP) 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. 459 dated: 19/03/2021 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 it was observed by the committee that it's a case of Stone mining. During presentation it was observed by committee that another mine is existence but MO has shown no mine within 500 meters around the said mine. After presentation PP was asked to submit Mining Officer clarification regarding status of others mine seen within 500 meters of this mine.

16. Case No 8459/2021 M/s Bhagwati Infratech, Partner, Shri Chetan Prakash Gupta, R/o, Chetakpuri, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 2.55 ha. (1,50,000 cum per annum) (Khasra No. 644, 645), Village - Pali Dirman, Tehsil - Gohad, Dist. Bhind (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 644, 645), Village - Pali Dirman, Tehsil - Gohad, Dist. Bhind (MP) 2.55 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 Pramanpatra) letter no. 2529 dated: 12/03/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.0 ha., including this mine.

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

17. Case No 8448/2021 Shri Banti Prajapati S/o Shri Hargovind Prajapati, Shitla Mata Mandir Ke Pass, Railway Line, Jagirpura, Tehsil - Dabra, Dist. Gwalior, MP Prior Environment Clearance for Soil Quarry in an area of 1.0 ha. (1000 cum per annum) (Khasra No. 727, 1491), Village - Magrora, Tehsil - Dabra, Dist. Gwalior (MP)

This is case of Soil Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 727, 1491), Village - Magrora, Tehsil - Dabra,

Dist. Gwalior (MP) 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. 8184 dated: 04/03/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

18. Case No 8449/2021 Shri Man Singh Rawat S/o Shri Atarsingh Rawat, Chandpur, Tehsil - Dabra, Dist. Gwalior, MP Prior Environment Clearance for Soil Quarry in an area of 1.510 ha. (1000 cum per annum) (Khasra No. 128, 131, 132), Village - Haripur, Tehsil - Dabra, Dist. Gwalior (MP)

This is case of Soil Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 128, 131, 132), Village - Haripur, Tehsil - Dabra, Dist. Gwalior (MP) 1.510 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. 8183 dated: 04/03/2021 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 it was observed by the committee that it's a case of soil quarry, where no drilling and blasting is proposed. PP further submitted that depth maximum will be 02 meters and kiln will not be installed in the lease.

PP has submitted the response of above quarries same date vide letter dated 03.04.2021. 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 Soil 1,000 cum/annum.
2. Maximun permissible depth shall not be > 2.00 meters.
3. A budgetary provision for Environmental management Plan of Rs. 5.53 Lakh as capital and Rs. 4.16 Lakh/year has proposed.

19. Case No 8450/2021 Smt. Seema Sharma, Behind Green Wood School, Bhagat Singh Nagar, Dist. Gwalior, MP - 474006 Prior Environment Clearance for Stone Quarry in an area of 1.871 ha. (20000 cum per annum) (Khasra No. 289), Village - Smariya, Tehsil - Ghatigaon, 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. 289), Village - Smariya, Tehsil - Ghatigaon, Dist. Gwalior, (MP) 1.871 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. QL03 dated: 12/03/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.871 ha., including this mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining and lease is located on hillock. 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 of Stone as per mine plan with quantity not exceeding 20,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 47.00 Lakh as capital and Rs. 5.17 Lakh/year as recurring has proposed by PP.

20. Case No 8453/2021 Shri Nepal Singh S/o Shri Hukum Singh Yadav, Village - Neemkheda, Tehsil & Dist. Tikamgarh, MP - 472001 Prior Environment Clearance for Stone Quarry in an area of 1.251 ha. (19436 cum per annum) (Khasra No. 972/2), Village - Dhanwaha, Tehsil - Tikamgarh, Dist. Tikamgarh (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 972/2), Village - Dhanwaha, Tehsil - Tikamgarh, Dist. Tikamgarh (MP) 1.251 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. 1254 dated: 15/02/2021 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 it was observed by the committee that it's a case of Stone mining. During presentation it was observed by committee that some trees are in existence within the lease area for which PP submitted that these trees will not be uprooted. Moreover canal is existed in SW at a distance of 100 m & 65 m, in the north side hence, 35 m setback shall be left as no mining area. After presentation the committee asked to submit following details:

- Revised surface map leaving 35 m setback shall be left as no mining area w.r.t. canal is existed 65 m in the north side.

PP has submitted the response of above quarries same date vide letter dated 03.04.2021. 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 of Stone as per mine plan with quantity not exceeding 19,436cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 14.39 Lakh as capital and Rs. 3.53 Lakh/year as recurring has proposed by PP.

21. Case No 8445/2021 Shri Dheeraj Singh Dodiya S/o Shri Yashwant Singh Ji, 68, Village - Nagdi, Tehsil - Jaora, Dist. Ratlam, MP - 457226 Prior Environment Clearance for Stone Quarry in an area of 1.63 ha. (Expansion from 5820 cum per annum to 200000 cum per annum) (Khasra No. 07 (Part)), Village - Sadakhedi, Tehsil - Jaora, Dist. Ratlam (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 07 (Part)), Village - Sadakhedi, Tehsil - Jaora, Dist. Ratlam (MP) 1.63 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. 1379 dated: 02/01/2019 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.63 ha., including this mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining of capacity expansion from 5820 cum per annum to 2,00,000 cum per annum. Being case of expansion hence, PP shall submit early certified EC compliance report.

22. Case No 8443/2021 Shri Vijendra Singh Pawar S/o Shri Sambhu Singh, 68, 12/1, Meenapura, Tehsil - Jaora, Dist. Ratlam, MP - 457226 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (Expansion from 19,000 to 1,00,000 cum per annum) (Khasra No. 07 (Part)), Village - Sadakhedi, Tehsil - Jaora, Dist. Ratlam (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 07 (Part)), Village - Sadakhedi, Tehsil - Jaora, Dist. Ratlam (MP) 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. 1380 dated: 02/01/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.0 ha., including this mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining of capacity expansion from 19,0000 cum per annum to 2,00,000 cum per annum. Being case of expansion hence, PP shall submit early certified EC compliance report.

23. Case No 8457/2021 Shri Raghav Raghuraj Singh S/o Shri Bhan Singh, Badamalhara, Dist. Chhatarpur, MP - 471001 Prior Environment Clearance for Stone Quarry in an area of 3.50 ha. (46,368 cum per annum) (Khasra No. 34 Part), Village - Gujraytan Ugad, Tehsil - Beldeogarh, Dist. Tikamgarh (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 34 Part), Village - Gujraytan Ugad, Tehsil - Beldeogarh, Dist. Tikamgarh (MP) 3.50 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. 1384 dated: 06/03/2021 has reported that there are 01 more mines (not operating since 2004) within 500 meters around the said mine with total area of 18.50 ha., including this mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. During presentation it was submitted by PP that other mine is of Diaspore which is not in operation since 2004 and non- homogeneous thus this is a B-2 case. A water filled pit is existence on the western side of the lease. PP stated it is an old Murrum mine not of PP also not in operation. 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 of Stone as per mine plan with quantity not exceeding 46,368 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 19.47 Lakh as capital and Rs. 2.01 Lakh/year as recurring has proposed by PP.

24. Case No 8462/2021 M/s Tomar Builders & Contractors Pvt. Ltd, Prop., Shri Pratap Singh Tomar, A-1/8, Vinay Nagar, Sector No. 4, Dist. Gwalior, MP – 470226 Prior Environment Clearance for Stone Quarry in an area of 2.50 ha. (50,000 cum per annum) (Khasra No. 538), Village - Khakron, Tehsil - Sagar, Dist. Sagar (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 538), Village - Khakron, Tehsil - Sagar, Dist. Sagar (MP) 2.50 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 Pramanpatra) letter no. 642 dated: 15/03/2021 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 it was observed by the committee that it's a case of Stone mining (TP). After presentation the committee asked to submit following details:

- Revised EMP

PP has submitted the response of above quarries same date vide letter dated 03.04.2021. The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining obtained under temporary permit (TP). 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 of Stone as per mine plan with quantity not exceeding 50,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs.28.06Lakh as capital and Rs. 1.59 Lakh/year as recurring has proposed by PP.

25. Case No 8463/2021 M/s Sahastarajai Industries Pvt. Ltd, Smt. Ujjawala Singh, Dist. Tikamgarh, MP – 472001 Prior Environment Clearance for Stone Quarry in an area of 1.20 ha. (25,000 cum per annum) (Khasra No. 993), Village - Bijrawan, Tehsil - Lidhora, Dist. Tikamgarh (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 993), Village - Bijrawan, Tehsil - Lidhora, Dist.

Tikamgarh (MP) 1.20 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.1312 dated: 01/03/2021 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 8.40 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 8.40 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:-

- Inventory of all existing trees with their girth and height details and if any tree is to be uprooted, then plan it should be clearly addressed in EIA.
- Protection plan w.r.t. settlement which is >300 meters in the SE and kachha road :>30 meters and a pucca road : >150 meters .
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area", and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and 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.
- Being lease is on hillock, approach road / haul road with gradient for mineral evacuation shall be discussed in the EIA report.

26. Case No 8464/2021 M/s Mahalaxmi Mines & Minerals, Ward No. 4, Kamour, Tehsil - Vijayraghavgarh, Dist. Katni, MP Prior Environment Clearance for Stone Quarry in an area of 1.468 ha. (7353 cum per annum) (Khasra No. 1179/2), Village - Mudgudi, Tehsil - Maanpur, Dist. Umariya (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1179/2), Village - Mudgudi, Tehsil - Maanpur, Dist. Umariya (MP) 1.468 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. 2031 dated: 22/12/2020 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 15.307 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 15.307 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:-

- Inventory of all existing trees with their girth and height details and if any tree is to be uprooted, then plan it should be clearly addressed in EIA.
- Protection plan w.r.t. settlement which is >300 meters in the SE and kachha road :>30 meters and a pucca road : >150 meters .
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area", and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and 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.

27. Case No 8454/2021 Shri Neetesh Kumar Jain S/o Shri Ashok Kumar Jain, Banda, Dist. Sagar, MP - 470001 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (8075 cum per annum) (Khasra No. 1537), Village - Ganayaari, Tehsil - Banda, Dist. Sagar (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1537), Village - Ganayaari, Tehsil - Banda, Dist. Sagar (MP) 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. 607 dated: 9/03/2021 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 it was observed by the committee that it's a case of Stone mining. During presentation it was observed by committee that pucca road is existed at a distance of 70 meters in east and a settlement 210 m in the west side of the lease. After presentation the committee asked to submit following details:

- Protection plan w.r.t. settlement which is 210 meters in west side of the lease

PP has submitted the response of above quarries same date vide letter dated 03.04.2021. 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 of Stone as per mine plan with quantity not exceeding 8,075 cum/year.
2. A budgetary provision for Environmental management Plan of Rs.11.97 Lakh as capital and Rs. 1.79 Lakh/year as recurring has proposed by PP.

28. Case No 8437/2021 Shri Mahesh Thakur S/o Shri Hari Singh Thakur, Village - Nanded, Tehsil - Mhow, Dist. Indore, MP - 453441 Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (10830 cum per annum) (Khasra No. 244/2/16), Village - Nanded, Tehsil - Mhow, Dist. Indore (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 244/2/16), Village - Nanded, Tehsil - Mhow, Dist. Indore (MP) 4.0 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. 334 dated: 10/02/2021 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 it was observed by the committee that it's a case of Stone mining. During presentation it was observed by committee that some trees are in existence within the lease area for which PP submitted that no trees will be uprooted and tree occupied area shall be dealt as non- mining area, a settlement is existed at a distance of 450 m in the south-west side of the lease. After presentation the committee asked to submit following details:

- Revised CER as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 03.04.2021. 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 of Stone as per mine plan with quantity not exceeding 10,830 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 32.97Lakh as capital and Rs. 4.01 Lakh /year as recurring has proposed by PP.

29. Case No 8440/2021 M/s Tomar Builders & Contractor Pvt. Ltd, Prop., Shri Pratap Singh Tomar, A-1/8, Vinay Nagar, Sector No. 4, Dist. Gwalior, MP - 470226 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (50000 cum per annum) (Khasra No. 401/1), Village - Belaighat, Tehsil - Sagar, Dist. Sagar (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 401/1), Village - Belaighat, Tehsil - Sagar, Dist. Sagar (MP) 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 (Ekal Pramanpatra) letter no. 643 dated: 15/03/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.70 ha., including this mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining which is obtained under temporary permit (TP). 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 of Stone as per mine plan with quantity not exceeding 50,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 22.20 Lakh as capital and Rs. 1.59 Lakh/year as recurring has proposed by PP.

30. Case No 8455/2021 Shri Ranjeet Singh Rajput S/o Shri Kalu Singh Rajput, 27, Badridham Nagar, Dist. Dewas, MP - 455001 Prior Environment Clearance for Murrum & Stone Quarry in an area of 1.940 ha. (Murrum - 32035 cum per annum, Stone - 18525 cum per annum) (Khasra No. 394), Village - Amarpuraa, Tehsil - Dewas, Dist. Dewas (MP)

This is case of Murrum & Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 394), Village - Amarpuraa, Tehsil - Dewas, Dist. Dewas (MP) 1.940 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 Pramanpatra) letter no. 59 dated:

15/01/2021 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total area of 20.19 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case of Murrum & Stone Quarry with total area of 20.19 ha., including this mine. During presentation PP submitted that the baseline environmental monitoring for this site is being collected from March – April and May 2021. 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:-

- Cumulative impact of air, noise & traffic shall be incorporated in final EIA Report.
- Inventory of all existing trees with their girth and height details and if any tree is to be uprooted, then plan it should be clearly addressed in EIA.
- Protection plan w.r.t. settlement which is >300 meters in the SE and kachha road :>30 meters and a pucca road : >150 meters .
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled “Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”, and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and 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.

31. Case No 8456/2021 Shri Kirtiraj Singh Parihar, 27, Nadridham Nagar, Tehsil & Dist. Dewas, MP - 455001 Prior Environment Clearance for Murrum & Stone Quarry in an area of 2.0 ha. (Murrum - 24872 cum per annum, Stone - 19408 cum per annum) (Khasra No. 394), Village - Amarapuraa, Tehsil - Dewas, Dist. Dewas (MP)

This is case of Murrum & Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 394), Village - Amarapuraa, Tehsil -

Dewas, Dist. Dewas (MP) 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 (Ekal Pramanpatra) letter no. 810 dated: 17/03/2021 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total area of 20.190 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case of Murrum & Stone Quarry with total area of 20.19 ha. including this mine. During presentation PP submitted that the baseline environmental monitoring for this site is being collected from March – April and May 2021. 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:-

- Cumulative impact of air, noise & traffic shall be incorporated in final EIA Report.
- Inventory of all existing trees with their girth and height details and if any tree is to be uprooted, then plan it should be clearly addressed in EIA.
- Protection plan w.r.t. settlement which is >300 meters in the SE and kachha road :>30 meters and a pucca road : >150 meters .
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled “Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”, and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and 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.

32. Case No 8458/2021 M/s Shri Roopchand Mohnani, Maharani Laxmi Bai Ward, Dist. Seoni, MP Prior Environment Clearance for Stone Quarry in an area of 1.93 ha. (13708 cum per annum) (Khasra No. 144/1, 152/1, 149/1, 149/2, 150/1, 150/2), Village - Kothiya, Tehsil - Seoni, Dist. Seoni (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 144/1, 152/1, 149/1, 149/2, 150/1, 150/2), Village - Kothiya, Tehsil - Seoni, Dist. Seoni (MP) 1.93 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. 2500 dated: 22/02/2021 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 6.93 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 6.93 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:-

- Inventory of all existing trees with their girth and height details and if any tree is to be uprooted, then plan it should be clearly addressed in EIA.
- Protection plan w.r.t. settlement which is >300 meters in the SE and kachha road :>30 meters and a pucca road : >150 meters .
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area", and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and 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.

33. Case No 8460/2021 M/s Rooplal Daulatram, Shri Kamlesh Kumawat, Partner, A-67, Janta Colony, Dist. Mandsaur, MP - 458339 Prior Environment Clearance for Soil / Murrum Quarry in an area of 2.0 ha. (46825 cum per annum) (Khasra No. 365/3, 365/4), Village - Mansakhurd, Tehsil - Malhargarh, Dist. Mandsaur (MP)

This is case of Soil / Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 365/3, 365/4), Village - Mansakhurd, Tehsil - Malhargarh, Dist. Mandsaur (MP) 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 (Ekal Pramanpatra) letter no. 951 dated: 24/03/2021 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 it was observed by the committee that it's a case of soil quarry, where no drilling and blasting is proposed. During presentation it was observed that pucca road is existed at south side at a distance of 35 m hence 15 m set back shall be left as no- mining area. Total 11 trees are in existing within the lease area for which PP submitted that no trees will be uprooted. After presentation the committee asked to submit following details:

- Revised surface map showing 15 m set back shall be left as no- mining area.
- PP's commitment that no tree felling shall be carried out.

PP has submitted the response of above quarries same date vide letter dated 03.04.2021. 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 of Soil / Murrum Quarry as per mine plan with quantity not exceeding 46,825 cum/year.
2. A budgetary provision for Environmental management Plan of Rs.13.45 Lakh as capital and Rs. 7.59 Lakh/year as recurring has proposed by PP.

34. Case No 7646/2020 Shri Surendra Jaiswal S/o Shri Santlal Jaiswal, Cinema Road, Obra, Dist. Sonbhadra, UP – 231219 Prior Environment Clearance for Stone Quarry in an area of 1.80 ha. (15,652 cum per annum) (Khasra No. 232 Part), Village - Piparwan, 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. 232 Part), Village - Piparwan, Tehsil - Chitrangi, Dist. Singrauli (MP) 1.80 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. 1189 dated: 19/05/20 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed by committee that there are 10 trees within the lease area out of which 07 will be uprooted and PP submitted that they will plant additional 70 trees against 07 plants proposed to be uprooted. The total plantation will be 2250 trees. After presentation the committee asked to submit following details:

1. Tree inventory with proposal for 2250 plantation.
2. Revised plantation scheme.

PP has submitted the response of above quarries same date vide letter dated 24.09.2020, 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 of Stone as per mine plan with quantity not exceeding 15,652 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 09.17 Lakh as capital and Rs 2.76 Lakh/year as recurring and under CER Rs. 0.30 Lakh/years.

The case was discussed in 666th SEIAA meeting dated 17/3/2021 and it was recorded that..

".... It is noted that the Mining Officer, Singrauli has submitted vide letter no. 297/Khanij/Q.L./2021 dated 22/01/2021 regarding present status of other sanctioned mines located within the periphery of 500 m. radius of proposed mines. It seems that there are

total 6 more mines exists and total area of 18.43 ha. included the proposed mine. It is clear that the total area becomes more than 5 ha. and this case will be considered in B1 category. It is decided to relist and send this case to SEAC for re-appraisal.

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

35. Case No 7430/2020 Shri Pankaj Kumar Sharma S/o Shri Manikamna Prasad Singh, Village - Pura, Post - Kachwa Road, Dist. Varanasi, UP Prior Environment Clearance for Stone Quarry in an area of 2.02 ha. (25148 cum per annum) (Khasra No. 234), Village - Piparwan, 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. 234), Village - Piparwan, Tehsil - Chitrangi, Dist. Singrauli (MP) 2.02 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. 2094 dated: 24/04/2019 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.02 ha., including this mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, it was observed that within the lease area some trees are existing PP submitted that these trees shall be failed after taking permission from the competent authority. Within 500 meters following sensitive features were observed:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Some Trees	Within lease	-	PP will take permission from competent authority for failing and 10 times trees shall be additionally planted.

School Building	>300	North	Controlled blasting with arrangements of sand bags and three rows of Plantation in this side.
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After presentation the committee asked to submit following details:

- Revised environmental map as suggested by committee.
- Revised CER as suggested during presentation.

PP has submitted the response of above quarries same date vide letter dated 28.08.2020, 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 25,148 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 14.44 Lakh as capital and Rs. 3.536 Lakh/year and under CER Rs. 0.85 Lakh/ year has proposed.

The case was discussed in 666th SEIAA meeting dated 17/3/2021 and it was recorded that..

“.... It is noted that the Mining Officer, Singrauli has submitted vide letter no. 297/Khanij/Q.L./2021 dated 22/01/2021 regarding present status of other sanctioned mines located within the periphery of 500 m. radius of proposed mines. It seems that there are total 9 more mines exists and total area of 24.35 ha. included the proposed mine. It is clear that the total area becomes more than 5 ha. and this case will be considered in B1 category. It is decided to relist and send this case to SEAC for re-appraisal.

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

36. Case No 7637/2020 Smt. Babita Jaiswal W/o Shri Vijendra Jaiswal, Ward No. 3, Chudi Gali Cinema Road, Obra, Dist. Sonbhadra, UP – 231219 Prior Environment Clearance for Stone Quarry in an area of 1.150 ha. (17232 cum per annum) (Khasra No. 5, 74), Village - Jhagrauha, 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. 5, 74), Village - Jhagrauha, Tehsil - Chitrangi, Dist. Singrauli (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 Tehsildar Office letter No. 1328 dated: 12/06/20 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein consultant submitted that crusher will not be installed within the lease area. During appraisal of the case it was observed by the committee that a seasonal drain is crossing the lease which ultimately meets with a water body on the downstream. PP submitted that the water body on the downstream is a mined out pit not a natural water body. After presentation the committee asked to submit following details:

1. Proper justification on PP's submission that the water body on the downstream is a mined out pit not a natural water body.
2. Seasonal drain management plan as per MMR, 1997.
3. Revised EMP as suggested by committee.
4. Inventory of trees as tree falling is proposed.
5. Commitment that crusher will be installed outside of lease area.

Vide letter dated 28/09/2020 PP has submitted the reply. Committee observed that Tehsildar vide letter dated 24/09/20 has informed that above mine is located on government land and an old excavated pit is in existence where water is accumulated. Committee recommends that since a drain is in existence, PP shall leave 10 meters area both side as non mining area. Further PP submitted that 08 trees will be uprooted thus 80 additional trees shall be planted by PP for which PP has submitted the proposal. The other replies submitted by 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 17232 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.08.58 Lakh as capital and Rs. 02.85 Lakh/year as recurring and under CER Rs. 0. 40 Lakh/annum is proposed.

The case was discussed in 666th SEIAA meeting dated 17/3/2021 and it was recorded that..

The case was recommended in 649th SEIAA meeting dated 17/12/2020 and it was recorded that..

This case was recommended in 464th SEAC meeting dated 03/10/2020 and it was recorded that....

Vide letter dated 28/09/2020 PP has submitted the reply. Committee observed that Tehsildar vide letter dated 24/09/20 has informed that above mine is located on government land and an old excavated pit is in existence where water is accumulated. Committee recommends that since a drain is in existence, PP shall leave 10 meters area both side as non mining area. Further PP submitted that 08 trees will be uprooted thus 80 additional trees shall be planted by PP for which PP has submitted the proposal. The other replies submitted by 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':

PP/Consultant made a presentation on all aspects of the project and all concerned issues were discussed in detail. After detailed discussions and perusal of recommendations of 464th SEAC meeting dated 03/10/2020. Presentation made by the PP in SEIAA, it was observed from Google earth that there are other mines exist within 500 m radius of proposed mine hence it is decided to seek clarification from Mining Officer, Singrauli about current status of other mines exist within 500 m radius of above said mine.

Since the clarification from Mining Officer, Singrauli or PP is still awaited hence it has been decided to delist the case on the condition that it PP intends to present the case in SEIAA, it will then be relisted for appraisal.

It is noted that the Mining Officer, Singrauli has submitted vide letter no. 297/Khanij/Q.L./2021 dated 22/01/2021 regarding present status of other sanctioned mines located within the periphery of 500 m. radius of proposed mines. It seems that there are total 3 more mines exists and total area of 8.55 ha., included the proposed mine. It is clear that the total area becomes more than 5 ha. and this case will be considered in B1 category. It is decided to relist and send this case to SEAC for re-appraisal.

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

37. Case No. – 6722/2019 M/s. Mahaluxmi Mines and Stone Crusher, Village - Bilawal, Post - Atela Khurd, Tehsil & Dist. Charkhi Dadri, Haryana. Prior Environment Clearance for Stone Quarry in an area of 6.1340 ha. (1,39,497 cum per annum) (Khasra No. 127, 128, 129, 130, 131, 135, 136, 140/1, 140/2, 141, 142, 143, 144/1, 144/2, 145, 148/1/2, 148/1/3), Village - Harrai Gujran, Tehsil - Mauganj, Dist. Rewa (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 127, 128, 128, 130, 131, 135, 136, 140/1, 140/2, 141, 142, 143, 144/1, 144/2, 145, 148/1/2, 148/1/3), Village - Harrai Gujran, Tehsil - Mauganj, Dist. Rewa (MP).6.1340Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, District Survey 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's office vide letter no. 6128 dated 22/11/2019 has reported that there is 02 more mine operating or proposed within 500 meters around the said mine with total area of 8.734 ha including this mine.

Earlier this case was scheduled for presentation and discussion in 417th SEAC meeting dated 22/01/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 21/01/2021 which was forwarded through SEIAA vide letter no. 5862 dated 27/01/2021, which was placed before the committee.

The case was recommended for grant of EC in 418th SEAC meeting dated 16/02/21.

The case was discussed in 666th SEIAA meeting dated 17/3/2021 and it was recorded that.

The case was recommended in 481st SEAC meeting dated 16/02/2021 and it was recorded that.

PP vide their letter dated 16.02.2021 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 Stone Quarry in an area of 6.1340 ha. (1,39,497 cum per annum) (Khasra No. 127, 128, 129, 130, 131, 135, 136, 140/1, 140/2, 141, 142, 143, 144/1, 144/2, 145, 148/1/2, 148/1/3), Village - Harrai Gujran, Tehsil - Mauganj, Dist. Rewa (MP).,subject to the following special conditions:

After detail discussion and perusal of recommendation of SEAC, it is observed that as per Google image a dam site is located close proximity at a distance of approx 150 m. from mine site. It is decided that examine the adverse impact on dam site due to mining operation and mitigative measures shall be taken by PP, this case be sent to SEAC for re-appraisal.

The case was presented by the PP and their consultant wherein PP submitted as per MMR, 1996 the safe distance to be left from any water body/dam is 100 meters where as our lease is located 150 meters away (HFL) from the dam and that they have also obtained the location specific permission/NOC from the EE, WRD, Rewa vide their letter no. 1225 dated 20/03/20 and thus their case shall be considered for grant of EC. PP further submitted that considering existence of dam bund at a distance of approx. 250 meters from the lease they have also carried out the PPV analysis and per the outcome the PPV will be 0.699mm/sec. Committee deliberated on the issue and concern rose by the SEIAA and observed that all

the above mentioned facts were part of the discussion of SEAC meeting. Committee further observed that considering the existence of dam PP was asked to submit Disaster Management Plan for the same which was submitted by PP and case was recommended for grant of EC. However, during discussion on dated 03/04/21, PP was agreed to leave additional 50 meters setback from the HFL of dam and thus the distance from the lease now will become 200 meters which shall be considered as additional set back. Hence with additional setback of 50 meters, case shall be considered for grant of EC as per the recommendations made in the 481st SEAC meeting dated 16/02/2021.

38. Case No 8465/2021 M/s Virtuous Health Care Ltd, , Shri Dilip Agarwal, Director, 206, Shagun Tower, Vijay Nagar, Dist. Indore, MP - 452001 Prior Environment Clearance for Construction of "Aditya Gateway" [Total Area - 5696.07 sqm, Proposed Built-up Area - 36211.21 sqm) at Plot No. 42, Scheme No. 139, Super Corridor, MR 10 Road, Dist. Indore (MP). Cat. 8(a).

This is case Prior Environment Clearance for Construction of "Aditya Gateway" [Total Area - 5696.07 sqm, Proposed Built-up Area - 36211.21 sqm) at Plot No. 42, Scheme No. 139, Super Corridor, MR 10 Road, Dist. Indore (MP).

The case was presented by the PP and their consultant wherein PP submitted regarding project background and salient features of the proposed project as:

- earlier as per the approved FAR provided by IDA under scheme no. 139, we have proposed the Built-Up area 19000.59 sq.mt., accordingly we have obtained Consent to Establishment vide consent no. 44478 dated 20.12.2016 from MPPCB.
- At present we have planned additional Non-FAR development for the fulfilment of the parking requirement and service floor for the maintenance of the commercial amenities, which is not increasing the approved FAR but the total built up area has now been changed and become 36211.21 sq.mt (FAR+ Non FAR).

S.No.	Item	Details
1	Name of the Project/s	ADITYA GATEWAY of M/s VIRTUOUS HEALTH CARE LTD.
2	S.No. in the Schedule	The project is categorized as 'B-2' under item 8 (a) of Schedule-Gazette Notification dated Sep 14th, 2006 and subsequent amendments issued by MoEF, New Delhi on 01.12.09 and 04.04.2011.
3	Proposed capacity / area / length / tonnage to be handled / command area / lease area / number of wells to be drilled	Total Plot Area: 5696.07 m2 Total Built up Area –36211.21m2 Greenbelt area – 203.02m2 Total Parking-364ECS
4	New / Expansion / Modernization	New (Expansion of CTE Area)
5	Existing Capacity / Area etc.	Not Applicable
6	Category of Project i.e. 'A' or 'B'	B (B2)
7	Does it attract the general conditions? If yes, please specify	Not Applicable
8	Does it attract the Specific conditions? If yes, please specify.	Not Applicable
9	Location	Coordinates: 22°46'1.76"N, 75°51'58.18"E Plot No. 42, Scheme No. 139, Tehsil-Indore, District- Indore (M.P.)– India
	Plot / Survey / Khasra No	Plot No. 42, Scheme No. 139
	Village	Plot No. 42, Scheme No. 139
	Mandal	Indore
	District	Indore
	State	Madhya Pradesh
10	Nearest railway station / airport along with distance in km	Laxmi Bai Railway Station: 2.83 km (SW) Indore Airport: 7.28 km (SW)

11	Nearest town, city, district headquarters along with distance in km	Nearest City – Indore Within Municipal Area District Head Quarter- Indore-5.19 Kms
13	Name of the applicant	VIRTUOUS HEALTH CARE LTD.
14	Registered Address	206, Shagun Tower, Vijay Nagar, Indore
15	Address for Correspondence	206, Shagun Tower, Vijay Nagar, Indore
	Name	Dr. Dilip Agarwal
	Designation (Owner/Partner/CEO)	Director
	Address	206, Shagun Tower, Vijay Nagar, Indore
	Pincode	452001
	E-mail	virtuoushealth@gmail.com
	Telephone no.	9223339421
	Fax no.	-
16	Details of Alternate Sites examined, if any. Location of these sites should be shown on a toposheet.	Not Applicable
17	Interlinked Projects	Not Applicable
18	Whether separate application of interlinked project has been submitted.	Not Applicable
19	If yes, date of submission	Not Applicable
20	If no, reason	Not Applicable
21	Whether the proposal involves approval / clearance under: if yes, details of the same and their status to be given (d) The Forest (Conservation) Act, 1980? (e) The Wildlife (Protection) Act, 1972? (f) The C.R.Z. Notification, 1991?	Not Applicable
22	Whether there is any Government Order / Policy relevant / relating to the site	No

23	Forest Land involved (hectares)	No Forest land is involved in the project
24	<p>Whether there is any litigation pending against the project and / or land in which the project is proposed to set up?</p> <p>(d) Name of the Court</p> <p>(e) Case No.</p> <p>(f) Orders / directions of the court, if any and its relevance with the proposed project.</p>	No litigations pending against the project.

After presentation 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 Construction of "Aditya Gateway" [Total Area - 5696.07 sqm, Proposed Built-up Area - 36211.21 sqm) at Plot No. 42, Scheme No. 139, Super Corridor, MR 10 Road, Dist. Indore (MP), Cat. 8(a) subject to the following special conditions:

I. Statutory Compliance

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- iii. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.
- iv. The project proponent shall obtain the necessary permission for drawl of 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. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- vii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.
- viii. 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. 2829 KVA Total Power Requirement, Diesel power generating sets 2 X 160 KVA, 2 X 250 KVA & 1 X 500 KVA proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. 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 walls all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. 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.
- viii. The gaseous emission from DG sets 2 X 160 KVA, 2 X 250 KVA & 1 X 500 KVA shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG set 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.
- ix. 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 168.46 KLD out of which 107.46KLD is domestic water requirement, 61 KLD flushing water requirement and 20 KLD Landscaping & Misc. purpose. Total 149 KLD recycled water will be generated & 100% recycled water will be used for flushing, landscaping & Misc. purpose. 48 KLD treated water will be disposed in municipal sewer line.
 - 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 ground water and surface water sources, ensuring that there is no impact on other users.
 - vi. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
 - vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing 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 bye-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. For rainwater harvesting, 1 recharge pit will be constructed for harvesting rain water. The recharge capacity of these pits about 36 cum. Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xiii. 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.
- xiv. All recharge should be limited to shallow aquifer.
- xv. No ground water shall be used during construction phase of the project.
- xvi. 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.
- xvii. Sewage shall be treated in the MBBR based STP (Capacity - 170 KLD). The treated effluent from STP shall be recycled/re-used for flushing and gardening and as proposed 48 KLD extra treated water will be disposed in municipal sewer line.
- xviii. The waste water generated from the project shall be treated in STP of 170 KLD capacity (based on MBBR technology) and then reused for various purposes. No water body or drainage channels are getting affected in the study area because of this project.
- xix. No sewage or untreated effluent water would be discharged through storm water drains.
- xx. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxi. 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 set, 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 713.43 Kg/day, this consist all types of wastes (as Organic waste 392.38 Kg/day and non- organic waste 321.04 Kg/day),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 (713.43 KG/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/LEDs 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 20 trees shall be planted in the area of 203.02 m² which is developed as greenbelt development.
- ii. No 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 10 sqm of land should be planted and maintained. 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. Topsoil should be stripped to depth of 1 m 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.

- e. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
 - f. Traffic calming measures.
 - g. Proper design of entry and exit points
 - h. 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 364 ECS (Open Parking 72 + Stilt Parking 59 + Basement Parking 233 ECS).

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. Environment Management Plan

- i. 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.
- ii. 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.
- iii. For Environment Management Plan PP has proposed Rs. 239.00 Lakhs as capital and Rs. 29.50 Lakhs/Year as recurring cost for this project.

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.

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

39. Case No. – 6195/2019 Executive Engineer, Office of the Executive Engineer, Water Resources Division, Narsinghgarh, Dist. Rajgarh, MP Prior Environment Clearance for Suthaliya Irrigation Project, Culturable Command Area (CCA)= 49800 Ha, Gross Command Area (GCA) =68400 Ha, Intercepted Catchment Area 3428.21Sq.Km, Net Catchment Area is 777.79 Sq.Km, Height of dam (m) - 25.00 , Length of Main Dam including Earthen Bund(m) - 4705.00 , Length of spillway(m) - 412.00 at Village - Beard, Tehsil - Biaora, Dist. Rajgarh (MP) .

This is case of Suthaliya River Valley Irrigation Project. The application was forwarded by SEIAA to SEAC for appraisal. The irrigation project is proposed on River Parbati near Berar village of Biaora tehsil in Rajgarh district. Gross storage capacity - 201.35 MCM, live storage capacity of 183.70 MCM, Cultivable Command Area – 49,800 ha, Catchment Area - 4206 Sq.Km., Intercepted Catchment Area 3428.21Sq.Km, Net Catchment Area is 777.79 Sq.Km, Height of dam (m) - 25.00 , Length of Main Dam including Earthen Bund(m) - 4705.00 , Length of spillway(m) - 412.00 . The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 373rd SEAC dated 24/05/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 25.03.2021 which was forwarded through SEIAA vide letter no. 7882 dated 31.03.2021, which was placed before the committee.

EXECUTIVE SUMMARY: SUTHALIYA IRRIGATION PROJECT

PROJECT DESCRIPTION

Suthaliya Irrigation Project is planned for CCA of 49,800 ha. The project will supply irrigation water to in Biaora & Narsingharh tehsils of Rajgarh district. It envisages construction of a 4705 m long dam with a maximum height of 25.0 m across Parbati River, to create gross storage capacity of 201.35 MCM and live storage of 183.70 MCM. The project will be implemented and operated by Water Resources Department, Madhya Pradesh.

The proposed Suthaliya dam site is located near Berar village at latitude 23°57'09" N and longitude 77°09'59" E, geographically covered under SOI Topo Sheet No. 55 E/1. The proposed dam site is approachable from fair weather road of 38 km from Bioara.

The Suthaliya Irrigation Project envisages construction of an earthen and concrete dam with central spillway. The project constitutes the following:

- (i) Construction of 4705 m long Dam with a maximum height of 25.0 m
- (ii) The 412 m long Central Spillway with 19 Nos vertical gates of size 15 m x 12.00 m with a maximum discharging capacity of 19853.86 cumec.
- (iii) The 680.35 m long earthen section on either side of the Dam portion.
- (iv) Storage formed by the construction of Dam will have a Gross storage of 201.35 MCM and live storage of 183.70 MCM
- (v) Culturable Command Area is 49,800 ha.
- (vi) A total 38 villages of Biaora tehsil of Rajgarh district, Maksudangarh of Guna district and Berasia tehsil of Bhopal district will be affected. Total 1671 families (860 of Rajgarh district & 811 of Guna district) will be displaced requiring resettlement.
- (vii) 3627.93 ha of private land and 605.44 ha government land will be required for the project.
- (viii) Diversion of forest land is not required for the proposed project.
- (ix) Water will be lifted through two rising main of 2.5 km and 6.0 km from two pumping locations up to Distribution Chambers and then distributed by gravity mains.

The Submergence area of proposed project falls in Biaora tehsil of Rajgarh district; Maksoodangarh tehsil of Gunadistrict; and Berasia tehsil of Bhopal district and Command Area is located in Biaora, Narsinghgarh & Rajgarh tehsils of Rajgarh district.

Salient Features

I	GENERAL		
1	Name of the Project	:	SUTHALIYA IRRIGATION PROJECT
2	Type of the Project	:	Irrigation
3	Latitude	:	23°57'30"N
4	Longitude	:	77°10'23"E
5	Toposheet No.	:	55 E/1
6	River Basin	:	Yamuna Basin
7	Located on River	:	Parbati River
8	Tehsil	:	Biaora
9	District	:	Rajgarh
10	State	:	Madhya Pradesh
11	Tribal/ Non-Tribal	:	Non-Tribal
II	HYDROLOGY		
1	Catchment Area	:	4206 sq km
2	75% dependable yield	:	952.32 MCM
III	DAM DATA		
1	Type of Dam	:	Concrete
2	Total Length including earthen bund	:	4705 m
3	Length of Dam (Concrete)	:	412 m
4	Height	:	25.0 m
5	No. of Openings	:	19(17+2 Stand by)
6	Size of Gates	:	15 m X 12 m

7	Crest Level	:	415 m
8	Thickness of Pier	:	3.50 m
IV	CONTROL LEVEL		
1	Top Bund Level	:	431.00 m
2	Top Level of Gates	:	427.00 m
3	Crest Level	:	415.00 m
V	CANAL		
1	Length / Dia. of Rising Main1	:	2500 m/2200 mm
2	Length / Dia. of Rising Main2	:	6000 m/2400 mm
3	Length of Gravity Main	:	129110 m
4	Max Dia. of Gravity Main	:	2300 mm
5	Maximum Power Required	:	16.15 MW
VI	AREA PROPOSED UNDER IRRIGATION		
1	Gross Command Area (GCA)	:	68400 Ha
2	Culturable Command Area (CCA)	:	49800 Ha
a	Kharif	:	0 Ha
b	Rabi	:	49800 Ha
VII	STORAGE DETAILS		
1	Gross Storage Capacity	:	201.35 MCM
2	Live Storage Capacity	:	183.70 MCM
3	Dead Storage Capacity	:	17.65 MCM
4	Irrigation	:	49800 Ha
VIII	FINANCIAL		
1	Cost of Project	:	
a	Unit – I	:	Rs. 16724.76 Lakhs

b	Unit – II	:	Rs. 67134.46 Lakhs
	Total Cost	:	Rs. 83859.22 Lakhs
2	Cost Per Ha.		Rs. 1.68 Lakhs

Land requirement

Total land requirement for construction of Dam, Reservoir area, Distribution chambers, rising main etc. will be 4233.37 ha; out of which 3627.93 ha is private land and 605.44 ha is government land. Diversion of forest land is not required for proposed Suthaliya Irrigation Project.

Private land:	3627.93 ha
Government Land:	605.44 ha
<u>Forest Land:</u>	<u>00.00 ha</u>
<u>Total:</u>	<u>4233.37 ha</u>

Proximity to Protected Areas:

There is no protected area within 10 Km of the project location.

The EIA was presented by the PP and their consultants wherein PP has submitted that the total private land required for the project is 3627.93 ha. – belongs to 38 villages of Rajgarh, Guna & Bhopal Districts and Government Land is required is 605.44 ha., and no forest land is involved in this project. Schedule –I species (Peafowl) was found in the study area for which prepared Wild life Management Plan which has submitted to Chief Wild life warden , Bhopal. Further, R&R layout Plan at village Mau for displaced persons of Rajgarh district is being proposed. Diversion of forest land is not required for the proposed project. The submergence area of proposed project falls in Biaora tehsil of Rajgarh district; Maksoodangarh tehsil of Gunadistrict; and Berasia tehsil of Bhopal district and Command Area is located in Biaora, Narsingharh & Rajgarh tehsils of Rajgarh district.

After detail discussion, committee has asked the PP to submit the following information:

1. Status of land acquisition shall be submitted with reference to section 11 notification.
2. Schedule –I species (Peafowl) was found in the study area PP will submit copy of letter by which prepared Wild life Management Plan which has submitted to Chief Wild life warden , Bhopal.

3. R&R layout Plan at village Mau for displaced persons of Rajgarh district.

PP vide letter dated 03.04.2021 has submitted reply of the above query. The query reply was presented by the PP and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Suthaliya Irrigation Project, Culturable Command Area (CCA)- 49800 Ha, Gross Command Area (GCA) - 68400 Ha, Intercepted Catchment Area 3428.21Sq.Km, Net Catchment Area is 777.79 Sq.Km, Height of dam (m) - 25.00 , Length of Main Dam including Earthen Bund(m) - 4705.00 , Length of spillway(m) - 412.00 at Village - Beard, Tehsil - Biaora, Dist. Rajgarh (MP) . Cat. - 1(c) River Valley Project with following special conditions:

I. Statutory compliance:

- i. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)
- ii. 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

II. Air quality monitoring and preservation

- i. Regular monitoring of various environmental parameters viz., Water Quality, Ambient Air Quality and Noise levels as per the CPCB guidelines at designated locations shall be carried out on monthly basis and a detailed database of the same shall be prepared and recorded. This shall be used as a baseline data for post construction EIA / Monitoring purposes.
- ii. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed standards.
- iii. Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites.

III. Water quality monitoring and preservation

- i. Conjunctive use of surface water to be planned in the project to check water logging as well as to increase crops productivity. The field drains shall be connected with natural drainage system.

- ii. Before impounding of the water, Cofferdams for both at the upstream and downstream are to be decommissioned so that once the project is commissioned; cofferdam should not create any adverse impact on water environment including the rock mass and muck used for the Cofferdam.
- iii. As the reservoir will be acting as balancing reservoir and there would be fluctuation of water level during peaking period, efforts be made to reduce impact on aquatic life including impacts during spawning period both at the upstream and downstream of the project
- iv. Water depth sensors shall be installed at suitable locations to monitor e-flow. Hourly data to be collected and converted to discharge data. The Gauge and Discharge data in the form of Excel Sheet be submitted to the Regional Office, MoEF& CC and to the CWC on weekly basis
- v. Mixed irrigation shall be practiced and necessary awareness be given to all the farmers and trained in the use of such systems. Proper crops selection shall be carried out for making irrigation facility more effective.
- vi. On Farm Development (OFD) works like landscaping, land leveling, drainage facilities, field irrigation channels and farm roads, etc. should be taken up in phased manner prior to the start of irrigation in the entire command area. The Command Area Development Plan should be strictly implemented as proposed in the EIA/EMP report.

IV. Noise monitoring and prevention

- i. All the equipment likely to generate high noise shall be appropriately enclosed or inbuilt noise enclosures be provided so as to meet the ambient noise standards as notified under the Noise Pollution (Regulation and Control) Rules, 2000, as amended in 2010 under the Environment Protection Act (EPA), 1986.
- ii. 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 .

V. Catchment Area Treatment Plan

- i. Catchment Area Treatment (CAT) Plan area 44.30 ha as proposed in the EIA/EMP report shall be implemented in consultation with the State Forest Department and shall be implemented in synchronization with the construction of the project.

VI. Waste management

- i. Muck disposal of 318,750 m³ will be carried out only in the approved and earmarked sites. The dumping sites shall be located sufficiently away from the HFL of the river. Efforts be made to reuse the muck for construction and other filling purposes and balanced be disposed of at the designated disposal sites. Once the muck disposal sites are inactive,

- proper treatment measures like both engineering and biological measures be carried out so that sites are stabilized quickly.
- ii. Solid waste management should be planned in details. Land filling of plastic waste shall be avoided and instead be used for various purposes as envisaged in the EIA/EMP reports. Efforts be made to avoid one time use of plastics.

VII. Green Belt, Fisheries and Wildlife Management

- i. Plantation area of 124.50 ha with 1,25,000 number of saplings and 10,000 saplings along the approach road totaling to 135,000 saplings.
- ii. As per the ToR conditions or minimum 15% of the average flow of four consecutive leanest months, whichever value is higher, shall be released as environmental flow.
- iii. Detailed information on species composition particular to fish species from previous study/literature be inventoried and proper management plan shall be prepared for in-situ conservation in the streams, tributaries of river and the main river itself for which adequate budget provision be made and followed strictly.
- iv. Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented in consultation with the local State Forest Department.
- v. To enrich the habitat of the project site, plantation shall be raised as envisaged in the EIA/EMP report. Plantation to be developed along the periphery of the reservoir in multi-layers with local indigenous species in consultation with the local State Forest Department.

VIII. Public hearing and Human health issues

- i. Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt.
- ii. Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.
- iii. Preventive measures viz. fuming and spraying of mosquito control shall be done in and around the labour colonies, affected villages, stagnated pools, etc. Provisions be made to not to create any stagnated pools to avoid creation of breeding grounds of the vector borne diseases
- 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. Labour force to be engaged for construction works shall be examined thoroughly and adequately treated before issuing them work permit. Medical facilities shall be provided at the construction sites.
- vi. Early Warning Telemetric system shall be installed in the upper catchment area of the

project for advance intimation of flood forecast.

- vii. Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Dam Break Analysis.

IX. EMP& Corporate Environment Responsibility

- i. A budgetary provision of Rs. 48377.54 lakhs is made for Environmental Management Plan. Capital cost Rs. 47606.23 lakhs and Rs.771.31lakhs as recurring cost.
- Out of which Rs. 78.33 Lakhs as capital and 34.21lakhs as recurring cost provided for Green Belt Development Plan in EMP for 5 years period.
 - No muck disposal shall be done outside of the project site; Rs. 100.00Lakh is made for Muck Management Plan in the EMP.
 - Provision of Rs. 133.40 Lakhs is made for Catchment Area Treatment Plan in EMP.
 - Rs.34.70Lakh is made for Fisheries Management Plan in EMP.
 - Provision of Rs. 99.60 Lakh is made for Command Area Development Plan in EMP.
- ii. PP has proposed physical targets based on public hearing under Corporate Environment Responsibility (CER)for following activities:
- Construction of Panchayat Bhawan at 10 villages (Kherad, Bagwaj, Beriyakhedi, Bhanwas, Hanround, Jatiyakhedi, Kadia Hat, Kishangarh, Mhow, Niwara)
 - Infrastructure (repair and maintenance of building including painting) and basic amenities (drinking water and furniture) at 26 primary schools located in project affected villages
 - Contribution for rural childcare through Anaganwadis – 38 anganwadis have been identified for the purpose one each in project affected villages
 - Primary health Centres located at Todi village, Primary Health Sub-Centres located at Semlapar and Agar villages and Community Health Centre located at Bandi (Khedi) village following will be provided:
 - Repair and painting of buildings,
 - Improvement of toilets (separate for male and female),
 - Purchase of furniture
 - Drinking water arrangement including provision of water cooler
 - Health Camps – one each in tehsil Berasia (Bhopal), Biaora (Rajgarh) and Maksoodangarh (Guna)

- iii. Skill mapping be undertaken for the youths of the affected project area and based on the skill mapping, necessary trainings to the youths be provided for their long time livelihood generation
- iv. 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.
- v. 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.
- vi. 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.

X. Miscellaneous

- i. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company
- ii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- iii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- iv. 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.

- v. 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).
- 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.

40. Case No 7880/2020 Executive Engineer, M/s O.S.P. Canal Division, Office of the Executive Engineer, Dhamnod, Dist. Dhar, MP, Prior Environment Clearance for Badnawar Micro Lift Irrigation Project CCA- 50000 ha , Gross command area (GCA) = 74875 ha at Village - Nimbola, Tehsil - Dharampuri, Dist. Dhar, (MP) .

This is case of Badnawar Micro Lift Irrigation Project at Village - Nimbola, Tehsil - Dharampuri, Dist. Dhar, (M.P.). CCA- 50000 ha., GCA) = 74875 ha., Category: 1(c) River Valley Project. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 465rd SEAC dated 07/11/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 24.03.2021 which was forwarded through SEIAA vide letter no. 7880. dated 31.03.2021 which was placed before the committee.

Executive Summary of the Badnawar micro Lift Irrigation Scheme

PROJECT DESCRIPTION

Badnawar Micro Lift Irrigation Scheme is planned to irrigate 50,000 ha of Culturable Command Area (CCA) spread in 102 villages of Badnawar tehsil and 25 villages of Dhar tehsil of Dhar district with water sourced from Narmada River.

The project is a lift irrigation scheme; consisting of lifting water from Narmada River and distribution through a pressurized piped system to cultivators for irrigation during Rabi

season. Water will be supplied upto 2.5 ha chak size under adequate pressure (minimum 23m head) for drip/sprinkler system to be installed by cultivators. The Project consists of piped system with Supervisory Control and Data Acquisition (SCADA) and have following Components:

1. Pump Houses (5 numbers)
2. Rising mains – (60.20 km total length)
3. Distribution Network (HDPE) from 20 ha chak to 2.5 ha chak
4. Flow & Pressure Control Valves, Air valves
5. Power Transmission Line

In Badnawar Micro Lift Irrigation Scheme water will be lifted from Narmada river by pumping station PS1, near Nimbola village; to other pumping locations to reach the higher elevations in command to serve the command area of 50,000 ha in Badnawar and Dhar tehsils of Dhar district. It is proposed to lay 60.20 Km (total) long rising main with MS pipe of 3200 mm diameter to deliver 16.02cumecs water from PS1 to PS5 and further distributed from DC.

Salient Features

1	Name of the Project	BadnawarMicro Lift Irrigation Scheme
2	Type of Project	Lift Irrigation Project
3	Location	
	i) Supply Source	Narmada River
	ii) Lifting Point	Dhar District, NearNimbola village
	iii) Command	In Badnawar&Dhar tehsils of Dhar district
4	Access to the Project	
	i) Nearest Airport	Devi Ahilya Airport Indore (M.P.)
	ii) Nearest Rail Head	Indore, 95 Km from Lifting point
5	Interstate Aspects	
	i) State/country wise details of catchment	Not applicable
	ii) Submergence due to Project	No submergence due to project, as it is a lift scheme
	iii) Water Allocation for the State	The quantum of water being lifted for this project is included in the water share of MP as per

		NWDT award
	iv) Water Allocation for other states	Not applicable
6	Estimated life of the project	50 Years
7	Irrigation (ha.)	
	(a) Gross command area (GCA)	74875 ha
	(b) Culturable command area (CCA)	50000 ha
	(c) Irrigation Period	Rabi
8	Rising Main/Distribution System	Piped Network: (MS/HDPE)
9	Discharge	16.02 cumec
10	Cost of the project	1587 Crore
11	B.C. Ratio	2.09
12	Protected Areas (PA) in vicinity	No protected area within 10 Km; nearest PA is Sardarpur WLS – 42 Km and Dinasaur NP is about 64 Km from project location

Land requirement

Permanent land would be required for the construction of pump-houses, sub-stations, valve chambers, and laying of pipeline/transmission line. Permanent land requirement has been worked out as 2 ha private land, 4 ha government land and 35 ha of forest land. Proposal for diversion has been submitted vide reference no. FP/MP/IRRIG/118716/2021. All 35 ha falls under reserved forest category. 02 ha private land is required for PS3, located at Khasra number 64/1 and 64/2; village Latamali, tehsil and district Dhar. Land is owned by Sar Singh and Neer Singh, s/o Roop Singh. Request letter has been sent to collector for purchase of private land.

The pipe shall be laid 1.00 m below average ground level hence no land for pipes shall be acquired permanently and temporary land acquisition will be done as per the applicable act. About 400 ha Private will be acquired temporarily.

Proximity to Protected Areas :

There is no protected area within 10 Km of the project location.

The EIA was presented by the PP and their consultants wherein PP has submitted that in the Badnawar Micro Lift Irrigation Scheme is planned to irrigate 50,000 ha of Culturable Command Area (CCA) spread in 102 villages of Badnawar tehsil and 25 villages of Dhar tehsil of Dhar district with water sourced from Narmada River. PP Further stated, that in the proposed project permanent land would be required for the construction of pump-houses, sub-stations, valve chambers, and laying of pipeline/transmission line. Permanent land requirement has been worked out as 2 ha. private land, 4 ha. Government land and 35 ha. of forest land. PP vide no. FP/MP/IRRIG/118716/2021 dated 06.01.2021, has submitted proposal for diversion has been submitted all 35 ha. forest land falls under reserved forest category.

After detail discussion, committee has asked the PP to submit the following information:

1. Copy of the application submitted for Forest Clearance as 35 ha. of forest land falls under reserved forest category.
2. Copy of entire public Hearing Proceedings.

PP vide letter dated 03.04.2021 has submitted reply of the above query. The query reply was presented by the PP and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Badnawar Micro Lift Irrigation Project CCA – 50,000 ha , Gross command area (GCA) - 74,875 ha at Village - Nimbola, Tehsil - Dharampuri, Dist. Dhar, (MP) , Cat. - 1(c) River Valley Project with following special conditions:

I Statutory compliance:

- i. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)
- ii. 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

I. Air quality monitoring and preservation

- i. Regular monitoring of various environmental parameters viz., Water Quality, Ambient Air Quality and Noise levels as per the CPCB guidelines at designated locations shall be carried out on monthly basis and a detailed database of the same shall be prepared and recorded. This shall be used as a baseline data for post construction EIA / Monitoring purposes.
- ii. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed standards.
- iii. Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites.

II. Water quality monitoring and preservation

- i. Mixed irrigation shall be practiced and necessary awareness be given to all the farmers and trained in the use of such systems. Proper crops selection shall be carried out for making irrigation facility more effective.
- ii. On Farm Development (OFD) works like landscaping, land leveling, drainage facilities, field irrigation channels and farm roads, etc. should be taken up in phased manner prior to the start of irrigation in the entire command area. The Command Area Development Plan should be strictly implemented as proposed in the EIA/EMP report.

III. Noise monitoring and prevention

- i. All the equipment likely to generate high noise shall be appropriately enclosed or inbuilt noise enclosures be provided so as to meet the ambient noise standards as notified under the Noise Pollution (Regulation and Control) Rules, 2000, as amended in 2010 under the Environment Protection Act (EPA), 1986.
- ii. 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 .

IV. Waste management

- i. Muck disposal(13.69lakh cum) be carried out only in the approved and earmarked sites.

The dumping sites shall be located sufficiently away from the HFL of the river. Efforts be made to reuse the muck for construction and other filling purposes and balanced be disposed of at the designated disposal sites. Once the muck disposal sites are inactive, proper treatment measures like both engineering and biological measures be carried out so that sites are stabilized quickly.

- ii. Solid waste management should be planned in details. Land filling of plastic waste shall be avoided and instead be used for various purposes as envisaged in the EIA/EMP reports. Efforts be made to avoid one time use of plastics.

V. Green Belt and Wildlife Management

- ii. Plantation area 125ha with 137500 number of saplings.
- iii. Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented in consultation with the local State Forest Department.
- iv. To enrich the habitat of the project site, plantation shall be raised as envisaged in the EIA/EMP report. Plantation to be developed with local indigenous species in consultation with the local State Forest Department.

VI. Public hearing and Human health issues

- i. Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt.
- ii. Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.
- iii. Preventive measures viz. fuming and spraying of mosquito control shall be done in and around the labour colonies, affected villages, stagnated pools, etc. Provisions be made to not to create any stagnated pools to avoid creation of breeding grounds of the vector borne diseases
- 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. Labour force to be engaged for construction works shall be examined thoroughly and adequately treated before issuing them work permit. Medical facilities shall be provided at the construction sites.
- vi. Emergency preparedness plan be made for any eventuality.

VII. EMP & Corporate Environment Responsibility

- i. A budgetary provision of Rs. 1960.60Lakhs is made for Environmental Management Plan. Capital cost Rs 695.10 lakhs and Rs.1265.50lakhs as recurring cost.
- ii. PP has proposed physical targets based on public hearing under Corporate Environment Responsibility (CER):
 - 1. Plantation in Command Area on government land in tehsil Badanwar and Dhar on about 125 ha on several patches of government land; on land of willing farmers and avenue plantation on road-sides.
 - 2. Primary health Centres located at Khiledi, Badwal, Labrawada, Biloda, Khadi villages of Dhar tehsil; following will be provided:
 - Minor repair and painting of building,
 - Improvement of toilets (separate for male and female),
 - Purchase of furniture
 - Drinking water arrangement including provision of water cooler
 - 3. Strengthening of 3 Mobile Health Clinics located in villages namely Chandwada, Aahu, and Gardawad by providing funds for infrastructure.
 - 4. Health Camps – one each in tehsil Badnawar and Dhar
- iii. Skill mapping be undertaken for the youths of the affected project area and based on the skill mapping, necessary trainings to the youths be provided for their long time livelihood generation
- iv. 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.

- v. 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.
- vi. 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.

VIII. Miscellaneous

- i. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company
- ii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- iii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- iv. 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.
- v. 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).
- 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.

41. Case No 7607/2020 Shri Ravi Pratap Singh S/o SHri Jang Bhadur Singh, R/o Village - Heerapur, Tehsil - Shahgarh, Dist. Chhatarpur, MP Prior Environment Clearance for Stone Quarry in an area of 2.255 ha. (69371 cum per annum) (Khasra No. 196P), Village - Mandhpur, Tehsil - Buxwaha, Dist. Chhatarpur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 196P), Village - Mandhpur, Tehsil - Buxwaha, Dist. Chhatarpur (MP) 2.255 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. 13 dated: 04/06/2018 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 to obtain EC for capacity expansion. in the 459th SEAC meeting dated 23-09-20. Committee observed that being its is a case of expansion hence, PP shall be submitted the prior to MoEF&CC compliance report then after case will be appraised .

PP's reply not received till date and it appears that PP is not interested to continue with the project.

Since the tenure of SEAC will be over on 09 October, 2020 and all such cases which are pending at SEAC will become category-I cases in the absence of SEAC. Thus case file is being sent to SEIAA for onward necessary action please.

SEIAA relisted the case and send to SEAC for appraisal in 666 SEIAA meeting dated 17-03-21. Case relisted and send to SEAC vide letter no. 7884-85/SEIAA/21 dated 31-03-21.

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

Discussion based on query reply submitted by PP

42. Case No 8296/2021 Shri Gajendra Singh Rathore S/o Shri Mohan Singh Rathore, 263/1, Rakaba Pigdambar, Tehsil - Mhow, Dist. Indore Prior Environment Clearance for Murrum Quarry in an area of 2.0 ha. (15000 cum per annum) (Khasra No. 30 Peki), Village - Delmi, Tehsil - Dhar, Dist. Dhar (MP)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 30 Peki), Village - Delmi, Tehsil - Dhar, Dist. Dhar (MP) 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 (Ekal Praman-Patr) letter no. 507 dated: 26/02/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant in the 489th SEAC meeting dated 12-03-21. wherein it was observed by the committee that it's a case of Murrum thus no blasting is proposed. It was also observed by committee that a NH is existed at a distance of >500 meters in NE side, after presentation the committee asked to submit following details:

- Revised EMP as per revised format.
- Physical targets based Corporate Environment Responsibility (CER) under EMP.

PP has submitted the response of above quarries same date vide letter dated 30.03.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Murrum as per mine plan with quantity not exceeding 15,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 16.30 Lakh as capital and Rs 03.21 Lakh/year as recurring are proposed by PP.

43. Case No 8348/2021 Shri Ashok Patidar S/o Shri Ram Ratan patidar, Village - Kod, Tehsil - Badnawar, Dist. Dhar, MP Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (Stone - 25000 cum per annum, Murrum - 20000 cum per annum) (Khasra No. 530), Village - Amjhera, Tehsil - Sardarpur, Dist. Dhar (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 530), Village - Amjhera, Tehsil - Sardarpur, Dist. Dhar (MP) 4.0 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. 399 dated: 17/02/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled in 492nd meeting dated 19/03/2021 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation.

The case was presented by the PP and their consultant in the 493rd SEAC meeting dated 23-03-21. wherein it was observed by the committee that it's a case of Stone and Murrum Quarry . Wherein a pucca road is in existence on the western side of the lease at a distance of 160 meters and water body in the western side at approx 210 meters and seasonal drain on the northern side at a distance of 75 meters. After presentation the committee asked to submit following details:

- Detailed management plan for seasonal drain originating near lease and passing through lease.

PP has submitted the response of above quarries same date vide letter dated 30.03.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone 25000 cum per annum, Murrum 20000 cum/year as per mine plan .
 2. A budgetary provision for Environmental management Plan of Rs. 16.30 Lakh as capital and Rs 03.21 Lakh/year as recurring are proposed by PP.
44. **Case No 8294/2021 Shri Kushal Kumar Panwar S/o Shri Shetanmal Panwar, R/o, Village - Ringnod, Tehsil - Sardarpur, Dist. Dhar, MP Prior Environment Clearance for Murrum Quarry in an area of 1.0 ha. (8000 cum per annum) (Khasra No. 3505), Village - Ringnod, Tehsil - Sardarpur, Dist. Dhar (MP)**

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 3505), Village - Ringnod, Tehsil - Sardarpur, Dist. Dhar (MP) 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 (Ekal Praman-Patr) letter no. 509 dated: 26/02/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant in the 489 SEAC meeting dated 12-03-21, wherein it was observed by the committee that it's a case of Murrum thus no blasting is proposed. It was also observed that in the P-II form it was noted that the lease is under mortgage in the bank. After presentation the committee asked to submit following details:

- PP shall be submitted such document that shows shall be disclosed that land is free from mortgage.
- Revised EMP as per revised format.
- Physical targets based Corporate Environment Responsibility (CER) under EMP.

PP has submitted the response of above quarries same date vide letter dated 30.03.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Murrum as per mine plan with quantity not exceeding 8,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 9.37 Lakh as capital and Rs 03.23 Lakh/year as recurring are proposed by PP.

(Dr. Mohd. Akram Khan)

Member

(Dr. R. Maheshwari)

Member

(Dr. Rubina Chaudhary)

Member

(Dr. Sonal Mehta)

Member

(Dr. J. P. Shukla)

Member

(Dr. Anil Sharma)

Member

(A. A. Mishra)

Secretary

(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/Murram 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.
23. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
24. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
25. Mining Lease boundary shall be appropriately earmarked with fencing.
26. A display board with following details of the project is mandatory at the entry to the mine.
 - a. Lease owner's Name, Contact details etc.
 - b. Mining Lease area of the project (in ha.)
 - c. Production capacity of the project.

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 1/4th 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.
27. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
27. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
28. Mining Lease boundary shall be appropriately earmarked with fencing.
29. A display board with following details of the project is mandatory at the entry to the mine.
 - a. Lease owner's Name, Contact details etc.
 - b. Mining Lease area of the project (in ha.)
 - c. Production capacity of the project.
28. Following conditions must be implemented by PP in case of sand mining as per NGT (CZ) order dated 19/10/2020 in OA NO. 66/2020 and SEIAA's instruction vide letter No. 5084 dated 09/12/2020.
 - i. The Licensee must use minimum number of poclains and it should not be more than two in the project site.

- ii. The District Administration should assess the site for Environmental impact at the end of first year to permit the continuation of the operation.
- iii. The ultimate working depth shall be 01 m from the present natural river bed level and the thickness of the sand available shall be more than 03 m the proposed quarry site.
- iv. The sand quarrying shall not be carried out below the ground water table under any circumstances. In case, the ground water table occurs within the permitted depth at 01 meter, quarrying operation shall be stopped immediately.
- v. The sand mining should not disturb in any way the turbidity, velocity and flow pattern of the river water.
- vi. The mining activity shall be monitored by the Taluk level Force once in a month by conducting physical verification.
- vii. After closure of the mining, the licensee shall immediately remove all the sheds put up in the quarry and all the equipments used for operation of sand quarry. The roads/pathways shall be leveled to let the river resume its normal course without any artificial obstruction to the extent possible.
- viii. The mined out pits to be backfilled where warranted and area should be suitable landscaped to prevent environmental degradation.
- ix. PP shall adhere to the norms regarding extent and depth of quarry as per approved mining plan. The boundary of the quarry shall be properly demarcated by PP.

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.
24. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
25. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
26. Mining Lease boundary shall be appropriately earmarked with fencing.
27. A display board with following details of the project is mandatory at the entry to the mine.
 - a. Lease owner's Name, Contact details etc.

- b. Mining Lease area of the project (in ha.)
- c. Production capacity of the project.

Annexure- 'D'

General conditions applicable for the granting of TOR

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

of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.

20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analysed.
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.
28. The project proponent shall provide the mitigation measures as per MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA 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.

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