

The 421st meeting of the State Expert Appraisal Committee (SEAC) was held on 28th January, 2020 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Dr. Sonal Mehta, Member.
4. Dr. R. Maheshwari, Member.
5. Shri R. S. Kori, Secretary.

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

1. **Case No. – 6225/2019 Shri Naval Kishore Gupta, R/o Hanuman Santar Chowk, Bajaj Khana, Murar, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (84,173 cum per annum) (Khasra No. 134), Village - Rafadpur, Tehsil - Dabra, Dist. Gwalior (MP). EIA Consultant: Green Circle Inc. Vadodara.**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 134), Village - Rafadpur, 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 63 dated: 02/07/15 has reported that there are 24 more mines operating or proposed within 500 meters around the said mine with total area of 43.828 ha., including this mine.

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

PP has submitted the EIA report vide letter dated 13/01/2020 which was forwarded through SEIAA vide letter no. 4017 dated 16/01/2020

The PP and their consultant presented the EIA wherein PP stated that this is a case of an expansion of production capacity from 25,000 m³ /year to Max 84,173 m³ / year. Previously

EC was obtained for a maximum production of 25,000 m³/year and their EC compliance report, certified by MoEF&CC has been submitted. The stone production proposed to be increased to be maximum of 84,173 cubic meter /year. Blasting operation will be carried by registered blaster. The estimated life of the mine is approx. 9 years. PP further stated that single row blasting will be done using Nitrate mixture of class II, detonators and detonating fuse with a quantity depending on the area to be developed, no Ground water table intersection is proposed. Committee asked PP to submit proposal for additional 210 plants as compensatory plantation because since mine's inception no plantation is being done within and in the surrounding area of the lease. After presentation the PP was asked to submit following information for further consideration of the project.

1. Commitment for control blasting.
2. Year-wise production details since the year 2012 as per standard TOR as it's a case of expansion.
3. Volume of Silt, which will be left out after dewatering in the mine pit and silt management plan.
4. Revised plantation schemes adding 210 plants (compensatory plants) + 2100 (proposed plantation scheme) = 2310 plan as suggested by the committee.
5. Commitment of PP that water available in nearby pond shall be used for mining purpose only after the approval of competent authority.
6. Commitment that no crusher will be installed within the lease.
7. Input data for modeling.
8. Drainage plan for mine water.
9. Commitment for displaying the Environmental policy at mine site.
10. Revised evacuation plan considering minimum 15cum load to reduce number of trips/day.
11. Soil sampling shall be added in the proposed environmental monitoring schedule with suitable budget.
12. Commitment for sowing prosopis seeds on excavated garland drains soil for its better stability.
13. Commitment of PP for carrying health checkup of all the mine workers at regular interval.
14. Details of existing plantation (if any) shall be provided.
15. Commitment that bench configuration shall be maintained as per the approved mine plan.
16. Revised EMP proposal with addition to proposal for re-grassing the mining area at closure time, on the OB dumps, on the soil of garland drain and on the back filled area (If any) and revised maintenance cost, plantation numbers etc.

17. Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder, Water recharging structures, Lab development etc.
18. Details of expenses incurred during current period on EMP & CER/CSR.

PP vide their letter dated 28.01.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (84,173 cum per annum) (Khasra No. 134), Village - Rafadpur, Tehsil - Dabra, Dist. Gwalior (MP). subject to the following special conditions:

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

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

15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 210 (compensatory plants) + 2100 = 2310 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 1.5 m Wide & 1 m Deep & 490 m Long.
25. The settling tank will be two in number of size of 4 m wide, 15m long & 2.5 m deep = 150 cum each.
26. 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.
27. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
28. The existing and proposed land use plan of the mine is as follows:

Particulars	Present Area in (ha)	After First 5 Year Area (ha)	At The End Of Mine Life
Pits	0.000	1.506	--
Dump	0.000	0.080	0.000
Plantation(Within Barrier Zone)	0.000	0.414	0.414
Water Body	0.000	0.000	1.586
Unused	2.000	0.000	0.000
Total	2.000	2.000	2.000

29. 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.
30. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
31. The commitments made in the public hearing are to be fulfilled by the PP.
32. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
33. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

34. In the proposed EMP, capital cost is Rs. 8.93 Lakh is proposed and Rs. 4.33 Lakh /year as recurring expenses.
35. Apart from EMP a separate budget of Rs. 0.10 Lakh capital and @0.02 as recurring cost has proposed for re-grassing the mining area at the mine closure in the light of recent H'ble Supreme Court order.
36. Under CER activity, Rs. 1.30 Lakh /year has proposed for different activities and should be implemented through respective committees.
37. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. 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.
39. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
40. PP will comply with all the commitments made vide letter dated 28.01.2020
41. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

2. Case No. – 6231/2019 M/s Mahakaal & Company, Shri Kishore Khatik, Village - Motijheel, Tehsil - Murar, Dist. Gwalior, MP – 475110 Prior Environment Clearance for Stone Quarry in an area of 4.944 ha. (2,45,837 cum per annum) (Khasra No. 134), Village - Rafadpur, Tehsil - Dabra, Dist. Gwalior (MP) EIA Consultant: Green Circle Inc. Vadodara.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 134), Village - Rafadpur, Tehsil - Dabra, Dist. Gwalior (MP) 4.944 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 77 dated: 02/07/19 has reported that there are 19 more mines operating or proposed within 500 meters around the said mine with total area of 42.065 ha., including this mine.

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

PP has submitted the EIA report vide letter dated 13/01/2020 which was forwarded through SEIAA vide letter no. 4003 dated 16/01/2020

The PP and their consultant presented the EIA wherein PP stated that this is a case of an expansion of production capacity from 1,00,000 m³/year to Max. 2,45,837 m³/year. Previously the lease was sanctioned by Mineral Resource Department, Gwalior vide letter No 4-46/2003/12-1, Gwalior, dated 12.09.2003 for 10 years (2003-2013) later the lease area has been modified through the Mineral Resource Department, Gwalior vide letter No 4-36/2011/12-1, Gwalior, dated 26.04.2012 that an area of 0.056 ha be deducted from the sanctioned area of quarry lease and thus the area was reduced from 5 ha to 4.944 ha and further lease has been renewed for further 10 years (20.12.2013 -19.12.2023) and lease agreement executed on 06.06.2014. Blasting operation will be carried by registered blaster. The estimated life of the mine is approx. 7-8 years. PP further stated that single row blasting will be done using Nitrate mixture of class II, detonators and detonating fuse with a quantity depending on the area to be developed, no Ground water table intersection is proposed. Committee asked PP to submit proposal for additional 400 plants as compensatory plantation because since mine's inception no plantation is being done within and in the surrounding area of the lease. After presentation the PP was asked to submit following information for further consideration of the project.

1. Commitment for control blasting.
2. Year-wise production details since the year 2012 as per standard TOR as it's a case of expansion.
3. Volume of Silt, which will be left out after dewatering in the mine pit and silt management plan.
4. Revised plantation schemes of 400 (compensatory plants) + 6000 = 6400 plans as suggested by the committee.
5. Commitment of PP that water available in nearby pond shall be used for mining purpose only after the approval of competent authority.
6. Commitment that no crusher will be installed within the lease.
7. Input data for modeling.
8. Drainage plan for mine water.
9. Commitment for displaying the Environmental policy at mine site.
10. Revised evacuation plan considering minimum 15cum load to reduce number of trips/day.
11. Soil sampling shall be added in the proposed environmental monitoring schedule with suitable budget.
12. Commitment for sowing prosopis seeds on excavated garland drains soil for its better stability.
13. Commitment of PP for carrying health checkup of all the mine workers at regular interval.
14. Details of existing plantation (if any) shall be provided.
15. Commitment that bench configuration shall be maintained as per the approved mine plan.
16. Revised EMP proposal with addition to proposal for re-grassing the mining area at closure time, on the OB dumps, on the soil of garland drain and on the back filled area (If any) and revised maintenance cost, plantation numbers etc.
17. Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder, Water recharging structures, Lab development etc.
18. Details of expenses incurred during current period on EMP & CER/CSR.

PP vide their letter dated 28.01.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Stone Quarry in an area of 4.944 ha. (2,45,837 cum per annum) (Khasra No. 134), Village - Rafadpur, Tehsil - Dabra, Dist. Gwalior (MP) subject to the following special conditions:

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation towards eastern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a

minimum of 400 (compensatory plants) + 6000 = 6400 trees shall be planted on barrier zone, backfilled area and along the transportation route.

21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 1.5 m Wide & 1 m Deep & 850 m Long
25. The settling tank will be three in number of size of 4 m wide, 20m long & 2.5 m deep = 200 cum each.
26. 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.
27. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
28. The existing and proposed land use plan of the mine is as follows:

Particulars	Present Area in (ha)	After First 5 Year Area (ha)	At The End Of Mine Life
Pits	4.594	4.128	----
Plantation (within Barrier Zone)	0.000	0.666	0.666
Water Body	0.000	0.000	4.278
Unused	0.350	0.150	0.000
Total	4.944	4.944	4.944

29. 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.
30. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
31. The commitments made in the public hearing are to be fulfilled by the PP.
32. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
33. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

34. In the proposed EMP, capital cost is Rs. 14.48 Lakh is proposed and Rs. 8.10 Lakh /year as recurring expenses.
35. Apart from EMP a separate budget of Rs. 0.10 Lakh capital and @0.02 as recurring cost has proposed for re-grassing the mining area at the mine closure in the light of recent H'ble Supreme Court order.
36. Under CER activity, Rs. 4.60 Lakh /year has proposed for different activities and should be implemented through respective committees.
37. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. 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.
39. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
40. PP will comply with all the commitments made vide letter dated 28.01.2020
41. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

3. Case No. - 6318/2019 Shri Sardar Singh Gurjar, Village - Rafadpur, Tehsil - Dabra, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 1.00 ha. (42,923 cum per annum) (Khasra No. 147/2), Village - Rafadpur, Tehsil - Dabra, Dist. Gwalior (MP). EIA Consultant: Green Circle INC, Vadodara.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 147/2), Village - Rafadpur, Tehsil - Dabra, Dist. Gwalior (MP) 1.00 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-75 dated: 27/03/19 has reported that

there are 14 more mine operating or proposed within 500 meters around the said mine with total area of 28.131 ha., including this mine.

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

PP has submitted the EIA report vide letter dated 13/01/2020 which was forwarded through SEIAA vide letter no. 4013 dated 16/01/2020

The PP and their consultant presented the EIA wherein PP stated that under the current EC application the proposed production capacity is Max. 42,923 m³/year. Blasting operation will be carried by registered blaster. The estimated life of the mine is approx. 6 years. PP further stated that single row blasting will be done using Nitrate mixture of class II, detonators and detonating fuse with a quantity depending on the area to be developed, no Ground water table intersection is proposed. From the Google image it was observed that the nearest habitation is at a distance of approximately 180 meters towards East side of the lease, committee recommended that PP shall submit ground vibration study arise due to blasting activity. After presentation the PP was asked to submit following information for further consideration of the project.

1. Commitment for control muffled blasting to protect nearest habitation at a distance of 180 meters towards east side.
2. Report of ground vibration study arise due to blasting activity shall be submitted with its necessary protective measure is to be submitted.
3. Volume of Silt, which will be left out after dewatering in the mine pit and silt management plan.
4. Undertaking from PP that for sprinkling purpose village's pond water will be used after taking proper permission from gram panchayat/ gram sabha.
5. Input data for modeling.
6. Revised traffic management plan is to be submitted.
7. Common drainage plan for all the associated mine.
8. Revised EMP proposal with addition to proposal for re-grassing the mining area at closure time, on the OB dumps, on the soil of garland drain and on the back filled area (if any) and revised maintenance cost, plantation numbers etc.
9. Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder, Water recharging structures, Lab development etc.

1. Protection plan for nearby sensitive area.
2. Volume of Silt, which will be left out after dewatering in the mine pit and silt management plan.
3. Revised plantation species as suggested by committee.
4. Commitment of PP that water available in nearby pond shall be used for mining purpose only after the approval of competent authority.
5. Commitment that no crusher will be installed within the lease.
6. Input data for modeling.
7. Drainage plan for mine water.
8. Commitment for displaying the Environmental policy at mine site.
9. Revised evacuation plan considering minimum 15cum load to reduce number of trips/day.
10. Soil sampling shall be added in the proposed environmental monitoring schedule with suitable budget.
11. Commitment for sowing prosopis seeds on excavated garland drains soil for its better stability.
12. Commitment of PP for carrying health checkup of all the mine workers at regular interval.
13. Commitment that bench configuration shall be maintained as per the approved mine plan.
14. Revised EMP proposal with addition to proposal for re-grassing the mining area at closure time, on the OB dumps, on the soil of garland drain and on the back filled area (If any) and revised maintenance cost, plantation numbers etc.
15. Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder, Water recharging structures, Lab development etc.

PP vide their letter dated 28.01.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Stone Quarry in an area of 1.00 ha. (42,923 cum per annum) (Khasra No. 147/2), Village - Rafadpur, Tehsil - Dabra, Dist. Gwalior (MP). subject to the following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.

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

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation towards eastern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum 350tree/year tree shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.

23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 1.5 m Wide & 1 m Deep & 410 m Long
25. The settling tank will be two in number of size of 4 m wide, 15m long & 2.5 m deep = 150 cum each.
26. 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.
27. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
28. The existing and proposed land use plan of the mine is as follows:

Use	Present Area (ha) AGL	After first 5 year Area (ha) AGL	After Next 5 Year area (Ha) BGL	At the end of Mine life
Pits	0.570	1.000	0.6000	-----
Office & Rest Shelter (Within Barrier Zone)	0.000	0.000	0.0027	0.0000
Dump	0.000	0.000	0.0800	0.0000
Plantation (Within Barrier Zone)	0.000	0.000	0.3173	0.3173
Water Body	0.000	0.000	0.0000	0.6800
Unused	0.430	0.000	0.0000	0.0027
Total	1.000	1.000	1.0000	1.0000

29. 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.
30. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
31. The commitments made in the public hearing are to be fulfilled by the PP.
32. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.

33. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

34. In the proposed EMP, capital cost is Rs. 7.92 Lakh is proposed and Rs. 3.24 Lakh /year as recurring expenses.
35. Apart from EMP a separate budget of Rs. 0.10 Lakh capital and @0.02 as recurring cost has proposed for re-grassing the mining area at the mine closure in the light of recent H'ble Supreme Court order.
36. Under CER activity, Rs. 0.90 Lakh /year has proposed for different activities and should be implemented through respective committees.
37. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. 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.
39. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
40. PP will comply with all the commitments made vide letter dated 28.01.2020
41. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

4. Case No. – 6068/2019 Shri Sardar Singh Gurjar, Village - Rafadpur, Tehsil - Dabra, Dist. Gwalior, MP. Prior Environment Clearance for Stone Quarry in an area of 0.84 ha. (20,000 cum per annum) (Khasra No. 146 at Village - Rafadpur, Tehsil - Dabra, Dist. Gwalior (MP). EIA Consultant: Green Circle Inc. Vadodara.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 146 at Village - Rafadpur, Tehsil - Dabra, Dist. Gwalior (MP) 0.84 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 66 dated: 02/07/15 has reported that there are 18 more mines operating or proposed within 500 meters around the said mine with total area of 34.921 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 364th SEAC meeting dated 17/04/2019 where ToR was recommended.

PP has submitted the EIA report vide letter dated 13/01/2020 which was forwarded through SEIAA vide letter no. 4019 dated 16/01/2020

The PP and their consultant presented the EIA wherein PP stated that under the current EC application the proposed production capacity is Max. 20,000 m³/year. Blasting operation will be carried by registered blaster. The estimated life of the mine is approx. 12 years. PP further stated that single row blasting will be done using Nitrate mixture of class II, detonators and detonating fuse with a quantity depending on the area to be developed, no Ground water table intersection is proposed. From the Google image it was observed that the nearest habitation is at a distance of approximately 180 meters towards East side of the lease, committee recommended that PP shall submit ground vibration study arise due to blasting activity. During presentation PP submitted that the mining operations were carried out from 2010 to 2014 after obtaining consent from the MP Pollution Control Board and since 2014 no production have been taken in the absence of EC. The lease was sanctioned by Directorate (Khanij branch) Gwalior vide letter No Q/L.-66/08, Gwalior, dated 14.09.2009 for 10 years and this lease was further renewed on 08.04.2010 for the period of ten years from 08.04.10 to 07.04.2020. Committee asked PP to submit proposal for additional 100 plants as compensatory plantation because since mine's inception no plantation is being done within and in the surrounding area of the lease. After presentation the PP was asked to submit following information for further consideration of the project.

1. Protection plan for nearby sensitive area.
2. Volume of Silt, which will be left out after dewatering in the mine pit and silt management plan.
3. Details of previous year's production.
4. Additional plantation scheme for 100 plants and revised plantation species as suggested by committee.
5. Commitment of PP that water available in nearby pond shall be used for mining purpose only after the approval of competent authority.

6. Commitment that no crusher will be installed within the lease.
7. Input data for modeling.
8. Drainage plan for mine water.
9. Commitment for displaying the Environmental policy at mine site.
10. Revised evacuation plan considering minimum 15cum load to reduce number of trips/day.
11. Soil sampling shall be added in the proposed environmental monitoring schedule with suitable budget.
12. Commitment for sowing prosopis seeds on excavated garland drains soil for its better stability.
13. Commitment of PP for carrying health checkup of all the mine workers at regular interval.
14. Commitment that bench configuration shall be maintained as per the approved mine plan.
15. Revised EMP proposal with addition to proposal for re-grassing the mining area at closure time, on the OB dumps, on the soil of garland drain and on the back filled area (If any) and revised maintenance cost, plantation numbers etc.
16. Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder, Water recharging structures, Lab development etc.

PP vide their letter dated 28.01.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Stone Quarry in an area of 0.84 ha. (20,000 cum per annum) (Khasra No. 146 at Village - Rafadpur, Tehsil - Dabra, Dist. Gwalior (MP). subject to the following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.

5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation towards eastern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum 300tree/year tree shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 1.5 m Wide & 1 m Deep & 360 m Long
25. The settling tank will be two in number of size of 4 m wide, 15m long & 2.5 m deep = 150 cum each.

26. 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.
27. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
28. The existing and proposed land use plan of the mine is as follows:

Particulars	Present Area in (ha)	After First 5 Year Area (ha)	At The End Of Mine Life
Pits	0.1343	0.6667	-
Plantation (within Barrier Zone)	0.000	0.1343	0.1343
Water Body	0.000	0.000	0.6667
Unused	0.7057	0.039	0.039
Total	0.840	0.840	0.840

29. 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.
30. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
31. The commitments made in the public hearing are to be fulfilled by the PP.
32. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
33. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

34. In the proposed EMP, capital cost is Rs. 7.17 Lakh is proposed and Rs. 2.38 Lakh /year as recurring expenses.
35. Apart from EMP a separate budget of Rs. 0.10 Lakh capital and @0.02 as recurring cost has proposed for re-grassing the mining area at the mine closure in the light of recent H'ble Supreme Court order.
36. Under CER activity, Rs. 0.65 Lakh /year has proposed for different activities and should be implemented through respective committees.
37. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. 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.
 39. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
 40. PP will comply with all the commitments made vide letter dated 28.01.2020
 41. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
5. **Case No 6749/2020 M/s Harshwardhan Industries Pvt. Ltd, B-64, Shaligram Tower, Near Sharon Park, Satellite Road, Dist. Ahmedabad, Gujarat Prior Environment Clearance for Laterite Deposit in an area of 17.010 ha. (40,320 cum per annum) (Khasra No. 153, 154, 158), Village - Tarawali, Tehsil - Suwasara, Dist. Mandsaur (MP).**

This is case of Laterite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 153, 154, 158), Village - Tarawali, Tehsil - Suwasara, Dist. Mandsaur (MP) 17.010 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 3143 dated 28/12/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Salient features of this project:

Mine Description	New
Name of the Mineral	Laterite
Location	Khasra No: - 153, 154 & 158 near Village- Tarawali, Tehsil- Suwasara, District- Mandsaur, State- Madhya Pradesh.
Toposheet	45P/12

Type of Land	Govt.
Lease Area	17.010 Ha
Lease Period	30 years
Geological Reserves	498,609.24 Cum
Mineable Reserves	448,748.31 Cum
Production Capacity	40,320 Cum/year
Mining Method	Open-Cast, semi- mechanized Mining Method
Man Power	About 35 (Permanent-05 and Temporary-30)
Life of Mine	6 years
Project Cost	Rs. 2.00 Crore
CER Cost	Rs 4,00,000/-

The case was presented by the PP and their consultant, wherein during presentation it was observed by the committee that a wind mill is installed on the south side of the lease at a distance of > 200 meters for which PP has submitted the NOC from ऊर्जा विकास निगम, thus PP shall maintain the necessary distance from Wind-mill in the lease as per the NOC issued vide letter no 41 dated 21/06/2019. A dam is seems to exits towards North-West side hence protection plan of this nearest dam shall be discussed in EIA report. Being it's a case Laterite with total area of 17.010 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:-

1. Since the site in close proximity with the dam and wind mills thus their structure stability shall be maintained and measures proposed for their structure stability shall be discussed in the EIA report.
2. The height of dam from plinth shall be provided in the EIA report.
3. All maps shall be prepared considering HFL of the dam.

4. Copy of NOC obtained from concerned authorities of Dam and wind mills shall be submitted with EIA report.
5. Trees within the lease area for which PP shall submit inventory with their respective girth.
6. Proposal for grazing land in EMP & CER shall be discussed as per latest O.M dated 16/01/2020.

6. Case No 6747/2020 Shri Mukhtiyar Gadwi, R/o Multanpura, Tehsil & Dist. Mandsaur, and M.P Prior Environment Clearance for Shale Stone Quarry in an area of 0.880 ha. (1,800 MT per annum) (Khasra No. 1676, 1677, 1678, 7679, 1718), Village - Kanaghati, Tehsil - Malhargarh, Dist. Mandsaur (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1676, 1677, 1678, 7679, 1718), Village - Kanaghati, Tehsil - Malhargarh, Dist. Mandsaur (MP) 0.880 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 Officer letter no 2150 dated 10/12/19 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 and discussion, 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.

7. Case No 6739/2020 Shri Shailesh Kumar Sahu S/o Shri Saroj Kumar Sahu, Village - Ghughari, Tehsil & Dist. Mandla, MP – 481661 Prior Environment Clearance for Stone Mine in an area of 1.27 ha. (12,540 cum per annum) (Khasra No. 290/3, 290/6, 290/7), Village - Chaugan, Tehsil - Ghughri, Dist. Mandla (MP).

This is case of Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 290/3, 290/6, 290/7), Village - Chaugan, Tehsil - Ghughri, Dist. Mandla (MP) 1.27 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 Assistant Mining Officer (Collector Office Mandla) letter no 1622 dated 12/12/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, wherein during presentation it was observed by the committee that proposed mining activity will be carried out by the open cast manual & semi mechanized method of mining using hand tools such as spades, chisel, hammer, poclain and JCB machines etc. After presentation PP was asked to submit following details:

1. Copy of land agreement is to be submitted by PP
2. Revised EMP by adding cost of grazing land.
3. Revised CER by adding funds for maintenance of grazing land of nearest reserved land as per latest O.M dated 16/01/2020.

PP has submitted the response of above quarries same date vide letter dated 28.01.2020, 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 12,540 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 11.18 Lakh as capital and Rs. 3.52 Lakh and under CER Rs. 0.99 Lakh/ year has proposed.

8. Case No 6745/2020 Shri Santosh Kumar Singh S/o Shri Abhayraj Singh, Village - Badhauna, Tehsil - Churhat, Dist. Sidhi, MP – 486331 Prior Environment Clearance for Stone Quarry in an area of 1.940 ha. (12,754 cum per annum) (Khasra No. 29/2/5, 29/2/1, 23, 20/2), Village - Harraha, 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. 29/2/5, 29/2/1, 23, 20/2), Village - Harraha, Tehsil - Mauganj, Dist. Rewa (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 letter no 5301 dated 05/09/19 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 4.29 ha including this mine.

During presentation as per Google image based on coordinates provided by PP, it was observed by the PP that a kachha road is passing within the lease in the North direction & within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha Road	Crossing the lease	North	PP shall leave 10 meters of area as non-mining zone from both the sides of the road in the lease.

The case was presented by the PP and their consultant, wherein during presentation it was observed by the committee that proposed mining activity will be carried out by the open cast manual & semi mechanized method of mining using hand tools such as spades, chisel, hammer, poclain and JCB machines etc. After presentation PP was asked to submit following details:

- Commitment that PP shall leave 10 meters of area as non-mining zone from both the sides of the Kachcha road in the lease.
- Revised EMP by adding cost of grazing land.
- Revised CER by adding funds for maintenance of grazing land of nearest reserved land as per latest O.M dated 16/01/2020

PP has submitted the response of above quarries same date vide letter dated 28.01.2020, 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 12,754 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 11.33 Lakh as capital and Rs. 2.14 Lakh/year and under CER Rs. 0.52 Lakh/ year has proposed.
3. PP shall maintain the setback of 10 meters of area as non-mining from both the sides of the Kachcha road in the lease.

9. Case No 6746/2020 Mohd. Saikun, Batouli Ward No. 1, tehsil - Gopad Banas, Dist. Sidhi, MP – 486331 Prior Environment Clearance for Stone Quarry in an area of 1.750 ha. (26,790 cum per annum) (Khasra No. 155/2), 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. 155/2), Village - Harrai Gujran, Tehsil - Mauganj, Dist. Rewa (MP) 1.750 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 6054 dated 18/11/19 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.35 ha including this mine.

During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha Road	>15	North	-
Forest area	>130	-	Copy of approval from DCLC is needed

The case was presented by the PP and their consultant, wherein during presentation it was observed by the submitted DFO letter no 292 dated 20/04/2019 that the forest area is a distance of approximately 130 meters from the lease boundary for which PP has taken

approval from DCLC vide letter no 2447 dated 20/06/2019. From Google image a bunding is seems to exist for temporary storage of water for which PP submits that they will develop as water body in conceptual period. Committee after deliberation recommended that PP shall submit following details:

- Copy of complete documents of forest approval from DCLC vide letter no 2447 dated 20/06/2019
- PP shall submit a proper plan for developing the lease area as water body at the conceptual period
- Revised EMP by adding cost of grazing land.
- Revised CER by adding funds for maintenance of grazing land of nearest reserved land as per latest O.M dated 16/01/2020

PP has submitted the response of above quarries same date vide letter dated 28.01.2020, 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 26,790 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 10.65 Lakh as capital and Rs. 3.06 Lakh/year and under CER Rs. 01.07 Lakh/ year has proposed.
3. PP shall follow all the conditions as per DCLC approval vide letter no 2447 dated 20/06/2019

10. Case No 6743/2020 Shri Rajmani Yadav S/o Late SHri Ramnihor Yadav, Ward No. 10, near Panchayat Bhawan, Sakarwat Bihara, 435, Dist. Rewa, MP Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (10,049 cum per annum) (Khasra No. 432/4), Village - Darhi, Tehsil - Huzur, 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. 432/4), Village - Darhi, Tehsil - Huzur, Dist. Rewa (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 6210 dated 29/11/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP it was recorded that 2 trees (1 babool and 1 mango) are seems to exist in the lease area for which PP submit that we are committed for green environment protection. Total 2 trees are falling within the ML area and in order to protect them we are proposing to extend the barrier zone further west (now 15m from lease boundary) and commit that these two trees falling within this extended barrier zone shall not be uprooted. Apart from this following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha Road	>20	North-East	Three rows of Plantation in this side.
Hutments	>250	North-West	Control Muffled blasting shall be carried-out
Trees(2)	Within lease	West	<ul style="list-style-type: none">• Extended barrier zone of 15m towards west shall be maintain• Commitment from PP that these two trees falling within this extended barrier zone shall not be uprooted.

PP further that all mining operations will be undertaken by Semi-Mechanized Method by deploying machineries i.e. 1 no.-JCB (3dx), 1 no- Pocklane (Hyundai), 2 no.-dumpers (TATA, Eicher) etc. After presentation PP was asked to submit following details:

- Revised CER by adding funds for maintenance of grazing land of nearest reserved land as per latest O.M dated 16/01/2020

PP has submitted the response of above quarries same date vide letter dated 28.01.2020, 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 10,049 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.41 Lakh as capital and Rs. 2.24 Lakh/year and under CER Rs. 0.25 Lakh/ year has proposed.
3. Extended barrier zone of 15m towards west shall be maintained for tree protection.

11. Case No 6744/2020 shri Anil Kumar Jaiswal S/o Shri Brajmohan Jaiswal, Village - Ujjaini, Post - Tingudi, Tehsil - Deosara, Dist. Singrauli, MP – 486881 Prior Environment Clearance for Murrum Quarry in an area of 1.40 ha. (15,185 cum per annum) (Khasra No. 659, 662), Village - Ujjaini, Tehsil - Deosar, Dist. Singrauli (MP).

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 659, 662), Village - Ujjaini, Tehsil - Deosar, Dist. Singrauli (MP) 1.40 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 4207 dated 28/11/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP it was recorded that 05 trees are seems to exist in the lease area for which PP submit that we may uproot only 02 palash tree from lease area during mining after taking permission from the competent authority. In order to compensate the tree uprooting, we shall plant 10 times more trees. Remaining 1 Mahua tree & 2 palash trees are falling within barrier zone and shall remain intact. Apart from these following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Railway line	>200	East	Three rows of Plantation in this

			side.
Trees(05)	Within lease	-	<ul style="list-style-type: none">• Permission for tree cutting shall be taken from the competent authority• 10 times more trees shall be planted as compensatory plantation

PP further submits that since it is a Murrum quarry, no drilling & blasting is proposed. All mining operations will be done by Manually & Semi-Mechanized method. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum 15,185 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 4.89 Lakh as capital and Rs. 2.41 Lakh/year and under CER Rs. 0.25 Lakh/ year has proposed.

12. Case No 6748/2020 M/s GR Infra Projects Ltd, Project Managar - Shri Debasis Patra, GR House, Hiran Magri Sector No. 11, Udaipur, Rajasthan – 313001 Prior Environment Clearance for Murrum and Stone Quarry in an area of 3.95 ha. (Murrum 39,000 cum per annum & Stone (Gitti) 3,90,200 cum per annum) (Khasra No. 2625), Village - Pavati, Tehsil - Garoth, Dist. Mandsaur (MP).

This is case of Murrum and Stone Quarry (Temporary Permit for 02 years). The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2625), Village - Pavati, Tehsil - Garoth, Dist. Mandsaur (MP) 3.95 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 Nayab Tehsildar Office letter No. 2533 dated 27/11/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein it was observed that this QL is granted under temporary permit for 2 years, committee after deliberation decided since material excavation is too large so in order to minimize the number of trips transportation shall be done with 17 MT truck. After presentation PP was asked to submit following details:

- Transportation shall be done with 17 MT truck load capacity to minimize the number of trips.
- Revised EMP by adding cost of grazing land.
- Revised CER by adding funds for maintenance of grazing land of nearest reserved land as per latest O.M dated 16/01/2020
- Revised Plantation species by replacing शीशम to सिसु, चिरोल, and करंच as suggested during presentation.

PP has submitted the response of above quarries same date vide letter dated 28.01.2020, 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 3,90,200 cum per annum & Murum 39,000 cum per annum .
2. A budgetary provision for Environmental management Plan of Rs. 17.77 Lakh as capital and Rs. 8.16 Lakh and under CER Rs. 7.20 Lakh/ year has proposed.

13. Case No 6752/2020 Shri Lakhinder Kumar Jaiswal S/o Shri Braj Kishore Jaiswal, Ward No. 24, Nawanagar, Dist. Singrauli, MP – 486886 Prior Environment Clearance for Stone Quarry in an area of 1.70 ha. (80,066 cum per annum) (Khasra No. 119, 120), Village - Dhodhi - Tola, Tehsil - Mada, 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. 119, 120), Village - Dhodhi - Tola, Tehsil - Mada, Dist. Singrauli (MP) 1.70 ha. The project requires prior EC before commencement of any activity at site.

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

format duly verified in the Collector Office letter no. 146 dated 14/01/2020 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.

During presentation as per Google image based on coordinates provided by PP it was recorded that 05 trees are seems to exist in the lease area for which PP submit that we may uproot only 01 palash tree & 2 Sendha trees from lease area during mining after taking permission from the competent authority. In order to compensate the tree uprooting, we shall plant 10 times more trees. Apart from these following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Human settlement	>200	South-West	<ul style="list-style-type: none"> Controlled Muffled blasting shall be carried-out with arrangements of sand bags Three rows of Plantation in this side.
Trees(05)	Within lease	-	<ul style="list-style-type: none"> Permission for tree cutting shall be taken from the competent authority 10 times more trees shall be planted as compensatory plantation
Dhodhiya Nalla	>250	North-East	<ul style="list-style-type: none"> Provision of Garland drain & settling tanks.

PP further submits that all mining operations will be undertaken by Open Cast Semi Mechanized Method. After presentation the committee asked to submit following details:

- Revised blasting details and protection measures proposed for Human settlement.

PP has submitted the response of above quarries same date vide letter dated 28.01.2020, 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 80,066 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 8.70 Lakh as capital and Rs. 3.71 Lakh and under CER Rs. 1.60 Lakh/ year has proposed.

14. Case No 6753/2020 Shri Lakhinder Kumar Jaiswal S/o Shri Braj Kishore Jaiswal, Ward No. 24, Nawanagar, Dist. Singrauli, MP – 486886 Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (1,00,258 cum per annum) (Khasra No. 131/2), Village - Dhodhi - Tola, Tehsil - Mada, 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. 131/2), Village - Dhodhi - Tola, Tehsil - Mada, Dist. Singrauli (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. 148 dated 14/01/2020 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.

During presentation as per Google image based on coordinates provided by PP it was recorded that 07 trees are seems to exist in the lease area for which PP submit that we may uproot 03 trees from lease area during mining after taking permission from the competent authority. In order to compensate the tree uprooting, we shall plant 10 times more trees. Apart from these following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks

Trees(07)	Within lease	-	<ul style="list-style-type: none"> • Permission for tree cutting shall be taken from the competent authority • 10 times more trees shall be planted as compensatory plantation
Dhodhiya Nalla	>300	North-East	<ul style="list-style-type: none"> • Provision of Garland drain & settling tanks.
Human settlement	>300	South-West	<ul style="list-style-type: none"> • Controlled Muffled blasting shall be carried-out with arrangements of sand bags • Three rows of Plantation in this side.

PP further submits that all mining operations will be undertaken by Open Cast Semi Mechanized Method. After presentation the committee asked to submit following details:

- Revised blasting details and protection measures proposed for Human settlement.

PP has submitted the response of above quarries same date vide letter dated 28.01.2020, 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 1,00,258 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 9.04 Lakh as capital and Rs. 4.17 Lakh and under CER Rs. 1.85 Lakh/ year has proposed.

15. Case No 6754/2020 M/s Raghuwanshi Mining, Partner, Shri Ashish Kumar Singh, Village - Rajkumar Nagar, Obra, Dist. Sonbhadra, UP – 231216 Prior Environment Clearance for Stone Quarry in an area of 1.090 ha. (10,032 cum per annum) (Khasra No. 589 [Pvt], 608[Govt.]), Village - Badkud, 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. 589 [Pvt], 608[Govt.]), Village - Badkud, Tehsil

- Chitrangi, Dist. Singrauli (MP) 1.090 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. 3459 dated 21/10/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP it was recorded that 5-6 trees are seems to exist in the lease area for which PP submit that we may uproot 03 trees after taking permission from the competent authority. In order to compensate this 10 times more trees shall be planted. Human settlement is at a distance of 100 meters from the lease area as per the Tehsildar's letter no 2702 dated 17/09/2018. Apart from these following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Trees(5-6)	Within lease	-	<ul style="list-style-type: none"> • Permission for tree cutting shall be taken from the competent authority • 10 times more trees shall be planted as compensatory plantation
Human settlement	100	East	<ul style="list-style-type: none"> • Controlled Muffled blasting shall be carried-out with arrangements of sand bags • 30 meters of setback shall be maintained from the nearest house • Protection plan is needed • Three rows of Plantation in this side.

Committee after deliberation recommended that PP shall maintain setback of 30 meters from the nearest house towards east side of the lease boundary. PP further submits that mining of

1.09 hect. will be undertaken using bench method. All mining operations will be undertaken by Semi-Mechanized Method by deploying machineries i.e. 1no.-JCB (3dx), 1no Pocklane (Hyundai), 2no.-dumpers (TATA) etc. After presentation the committee asked to submit following details:

- Revised blasting details and protection measures proposed for nearest Human settlement.

PP has submitted the response of above quarries same date vide letter dated 28.01.2020, 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 10,032 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 5.61 Lakh as capital and Rs. 2.10 Lakh and under CER Rs. 0.25 Lakh/ year has proposed.
3. 30 meters of setback in mine shall be left from the nearest house.

16. Case No 6755/2020 M/s Shreeji Infrastructure India Pvt. Ltd, Shri Pranav Pratap Singh, R/o 1180, University Road, South Civil Line, Pachpedi, Dist. Jabalpur, MP – 482001 Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (2,41,624 cum per annum) (Khasra No. 37), Village - Shivsagar, Tehsil - Raghurajnagar, Dist. Satna (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 37), Village - Shivsagar, Tehsil - Raghurajnagar, Dist. Satna (MP) 4.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no 3501 dated 30/12/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP it was recorded that 02 trees are seems to exist in the lease area for which PP submit that we may uproot 02 but after taking permission from the competent authority. In order to compensate this 10 times more trees shall be planted. Apart from these following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Trees(02)	Within lease	-	<ul style="list-style-type: none"> • Permission for tree cutting shall be taken from the competent authority • 10 times more trees shall be planted as compensatory plantation
Nahar	>150	South-West	<ul style="list-style-type: none"> • Three rows of Plantation in this side. • Provision of Garland drain & settling tanks

The case was presented by PP and their consultant wherein it was observed that this QL is granted under temporary permit for 2 years. PP further submits that all mining operations will be undertaken by Open Cast Semi Mechanized Method. After presentation PP was asked to submit following details:

- Commitment for control blasting with arrangement of sand bags
- Revised plantation scheme @4020 no of trees shall be planted as suggested by the committee during presentation.
- Revised EMP by adding cost of grazing land.
- Revised CER by adding funds for maintenance of grazing land of nearest reserved land as per latest O.M dated 16/01/2020.

PP has submitted the response of above quarries same date vide letter dated 28.01.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee

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

1. Production shall be as per mine plan with quantity not exceeding for Stone 2,41,624 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 12.15 Lakh as capital and Rs. 9.61 Lakh and under CER Rs. 1.00 Lakh/ year has proposed.

17. Case No 6759/2020 Shri Vinit Patidar S/o Shri Rajaram Patidar, R/o Susari, Tehsil - Kukshi, Dist. Dhar, MP – 454331 Prior Environment Clearance for Stone Quarry in an area of 1.50 ha. (14,550 cum per annum) (Khasra No. 229/1/2), Village - Susari, Tehsil - Kukshi, 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. 229/1/2), Village - Susari, Tehsil - Kukshi, Dist. Dhar (MP) 1.50 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 2326 dated 07/11/19 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 5.00 ha including this mine.

During presentation as per Google image based on coordinates provided by PP it was recorded that some trees are seems to exist in the lease area for which PP submit that they will leave this area as non-mining zone in order to protect the tree. Apart from these following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Trees	Within lease	South-West	<ul style="list-style-type: none"> • No tree cutting is proposed • No mining activity proposed in this part

PP further submits that all mining operations in Lease area of 1.50 ha. will be undertaken by Open Cast Semi-Mechanized Method. After presentation PP was asked to submit following details:

- Commitment for control blasting with arrangement of sand bags
- Commitment that no tree shall be uprooted during mining activities
- Revised EMP by adding cost of grazing land.
- Revised CER by adding funds for maintenance of grazing land of nearest reserved land as per latest O.M dated 16/01/2020.

PP has submitted the response of above quarries same date vide letter dated 28.01.2020, 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 14,550 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 7.70 Lakh as capital and Rs. 3.28 Lakh and under CER Rs. 0.60 Lakh/ year has proposed.

18. Case No 6761/2020 Shri Deepak Sharma, Gautam Vihar Colony, Dist. Shivpuri, MP – 473551 Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (99,805.65 cum per annum) (Khasra No. 213/2, 213/min-3, 215), Village - Dabra Dinara, Tehsil - Karera, Dist. Shivpuri (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 213/2, 213/min-3, 215), Village - Dabra Dinara, Tehsil - Karera, Dist. Shivpuri (MP) 4.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no 4886 dated 20/12/19 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.90 ha including this mine.

During presentation as per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
National highway- 25	>450	East	Controlled Muffled blasting shall be carried-out with arrangements of sand bags

The case was presented by PP and their consultant wherein during presentation it was observed that it is case of capacity expansion from 25,000 to 99,805.65 cum/year, for which committee asked PP to submit compliance report of earlier EC conditions from MoEF& CC. From the Google image existing pit is seems to be exists and PP has shown this on surface map. After presentation PP was asked to submit following details:

- Submit verified compliance reports of earlier EC conditions from MoEF& CC.
- Revised EMP by adding cost of grazing land.
- Revised CER by adding funds for maintenance of grazing land of nearest reserved land as per latest O.M dated 16/01/2020
- Revised plantation species by adding नीम, जंगल-जलेबी as suggested by the committee during presentation.
- Commitment from PP controlled muffled blasting shall be carried-out with arrangements of sand bags.

19. Case No 6763/2020 M/s G.R.Infra Projects Ltd, Tehsil - Jaora, Dist. Ratlam, MP – 457001 Prior Environment Clearance for Stone Quarry in an area of 2.50 ha. (59,565 cum per annum) (Khasra No. 553), Village - Luhari, 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. 553), Village - Luhari, Tehsil - Jaora, Dist. Ratlam (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 Tehsildar Office letter no 2451 dated 04/12/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP it was recorded that 05 trees are seems to exist in the lease area for which PP submit that we may uproot 03 but after taking permission from the competent authority. In order to compensate this 10 times more trees shall be planted. Apart from these following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Windmill	220	East-South	Setback of 30 meters(including 7.5 meters of barrier zone) in lease from windmill shall be maintained by PP
Trees	Within lease	-	<ul style="list-style-type: none"> • Permission for tree cutting shall be taken from the competent authority • 10 times more trees shall be planted as compensatory plantation

The case was presented by PP and their consultant wherein during presentation it was observed that windmill is at distance of 220 meters from lease, committee recommended that PP shall maintain setback of 30 meters including 7.5 meters maintaining 250 meters distance of barrier zone in the lease from the windmill. From the Google image existing pit is seems to be exits and PP has shown this on surface map. After presentation PP was asked to submit following details:

- Revised surface map showing setback of 30 meters (including 7.5 meters of barrier zone) in lease from windmill.
- Revised EMP by adding cost of grazing land.
- Revised CER by adding funds for maintenance of grazing land of nearest reserved land as per latest O.M dated 16/01/2020
- Revised plantation species by adding नीम, जंगल-जलेबी as suggested by the committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 28.01.2020, 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 59,565 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 10.65 Lakh as capital and Rs. 2.76 Lakh and under CER Rs. 2.00 Lakh/ year has proposed.
3. PP shall maintain the extended barrier zone of 30 meters (including 7.5 meters of barrier zone) from the windmill.

20. Case No. – 6533/2019 Shri Santosh Kumar Gupta S/o Shri Moti Lal Gupta, Village - Padkhudi Kothar and Kudiya Kothar, Tehsil - Rampur Naikin, Dist. Sidhi, MP Prior Environment Clearance for Crusher Stone Quarry in an area of 1.394 ha. (8,820 cum per annum) (Khasra No. 241, 267, 243, 269, 268 (Kudiya Kothar), 670, 671, 668, 673, 677, 393, 689, 392 (Padkhudi Kothar)), Village - Kudiya Kothar & Padkhudi Kothar, Tehsil - Rampur Naikin, Dist. Sidhi (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Kudiya Kothar), 670, 671, 668, 673, 677, 393, 689, 392 (Padkhudi Kothar)), Village - Kudiya Kothar & Padkhudi Kothar, Tehsil - Rampur Naikin, Dist. Sidhi (MP) 1.394 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. 1433 dated: 03/08/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks

Kachcha Road	25	East	-
Natural Drain	Passing between the lease	-	-
Hutments	5	East	Protection plan is needed
Seasonal Nalla	50	South-West	-

During presentation (in 401st SEAC meeting dated 01/11/2019) it was observed that lease is dis-continuous and sanctioned in four parts for which PP submitted that due to natural drain passing between the leases it is sanctioned in this condition. Committee after discussion decided to refer this case to SEIAA for further necessary instruction/guidance as the lease is not continuous.

SEIAA vide letter no 4147 dated 23/01/2020 forwarded this case to SEAC by stating that:

The case discussed in 593rd SEIAA meeting dated 14/01/2020 and it is recorded that:

“..... After detailed discussions, it was observed that lease is granted in 4 parts which is not as per MMRD rules, Hence, it is decided that PP should submit revised mining lease order and mining plan for one part as per rules.

PP vide letter dated 07/01/2020 has submitted the revised Mining Plan with new LOI and requested to accept the same. After discussion, it was decided to send the case along with information and documents submitted by PP to SEAC for appraisal.

Based on above submission this case was placed before committee for presentation and discussion wherein during presentation while considering the sensitive features within 500 meters radius same as in 401st SEAC meeting dated 01/11/2019, PP was asked to submit following details:

- Revised EMP by adding cost of grazing land.
- Revised CER by adding funds for maintenance of grazing land of nearest reserved land as per latest O.M dated 16/01/2020

PP has submitted the response of above quarries same date vide letter dated 28.01.2020, 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 8,820 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 9.68 Lakh as capital and Rs. 4.20 Lakh and under CER Rs. 0.30 Lakh/ year has proposed.

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

- 21. Case No. – 6723/2019 M/s Saicharan Properties Ltd, Shri Sudhanshu Pareek, 101, Kalpatru Synergy, Opp. Grand Hyatt, Santacruz (E), Mumbai, Mah. – 400055. Prior Environment Clearance for Expansion in Construction for Residential & Commercial Development (Total Area = 12,626.00 sqm, FAR- 28,657.86 sqm, Non- Far- 40,231.28 sqm, Total Construction Area = 68,889.14 sqm) at Plot No. 27, Yashwant Niwas Road, Tehsil & Dist. Indore, (MP).**

This is case of Prior Environment Clearance for Expansion in Construction for Residential & Commercial Development (Total Area = 12,626.00 sqm, FAR- 28,657.86 sqm, Non- Far- 40,231.28 sqm, Total Construction Area = 68,889.14 sqm) at Plot No. 27, Yashwant Niwas Road, Tehsil & Dist. Indore, (MP).Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

EXECUTIVE SUMMARY

Sr. No.	Particulars	Details
1	Name of the Project	Environment Clearance for Expansion in Construction of Residential & Commercial Development by M/s. Sai Charan Properties Ltd.
	Location	Plot No. 27, Yashwant Niwas Road, Tehsil & Dist. Indore, (MP)
2	Name of the Company	M/s. Sai Charan Properties Ltd.
	Address	101, Kalpataru Synergy Opp. Grand Hyatt, Santacruz East, Mumbai 400055 (India)
3	Latitude and Longitude of the project	Latitude 22°43'31.95"N Longitude 75°52'30.18"E
4	If a Joint venture, the names & addresses of the JV partners including	NA

Sr. No.	Particulars	Details
	their share	
5	Type of Building	Residential & Commercial
	Project brief: nature of proposal (new/expansion,)	New
6	Total Plot Area	Total Land Area = 12,515.17 sq.m
7	Total Ground Coverage	Ground Coverage =2236.08Sq.m
8	Total Builtup Area	Existing Built Up area : 63,802.97 sq.mt. Proposed Built Up area = 2850.09sq. mt. Total Built Up area : 66,653.06 sq. mt
9	Cost of the project	Existing : INR – 265.61 crores Proposed : INR – 12.00 crores Total- INR 277.61 crores
10	Dwelling Units	3 BHK – 60 No. 4 BHK- 43 No. 5 BHK – 4 No. 6 BHK – 3 No. EWS – 10 No. LIG – 8 No. Shops – 19Nos.
11	Internal Road Area	Road Area- 2837.58Sq. m (22.5%) Open Area –3871.26 Sq.m (30.60%)
12	Landscape	1851.078 m ² (14.66%)
13	Nos. of trees planned	210 nos. Plant
14	Nos. of Floor and basements	One Building with 5 Wings Wing A : 2 Basements + Ground (Shopping) + Mezzanine (Shopping) + Podium / Stilt + 12 residential floors. Wing B : 2 Basements + Ground (clubhouse) + Mezzanine (clubhouse) + Podium / Stilt + 12 residential floors. Wing C : 2 Basements + Ground (clubhouse ,EWS &LIG) + 1 st floor (clubhouse, EWS & LIG)+Podium / Stilt + 12 residential floors. Wing D : 2 Basements + Ground (Shopping, EWS & LIG) + part Mezzanine (shopping) + 1 st floor (EWS& LIG)+ Podium / Stilt + 12 residential floors. Wing E : 2 Basements + Ground (Shopping) + Mezzanine floor (Shopping) + Podium / Stilt + 12 residential floors.
15	Parking facilities	352 ECS
16	Power Requirement and Sources	Electrical Load: 4555.8 kW Demand Load: 1516 kW Source: State Electricity Board.

Sr. No.	Particulars	Details
17	Power backup	D.G : 1 – 380 kVA 1 – 600 kVA
18	Water requirement and Sources	Domestic: 78 Flushing: 54 Landscape: 15 Sewage Gen: 124 Treated water: 111 Source of the water is municipal water supply.
19	Estimated population (Fixed)	Residential: 640 Nos. Commercial: 734 Nos.
20	Height of the building	45.0 M
21	Connectivity	Railway Station Indore 1.0 km, W Indore Airport– 7.0, Km W

In the SEAC 417th meeting dated 22.01.2020 the case was presented by PP and their consultant PP stated that there are 05 wings namely A,B,C,D & E were proposed for Residential & Commercial Development. The “B wing” was initially intended to be 12 floors above podium. In the subsequent approvals but due to FAR/planning/business considerations, the number of floors of Wing B was reduced temporarily. The foundation of wing B were structurally designed to take the load for the configuration of 2 Basements + Ground (clubhouse) + Mezzanine (clubhouse) + Podium / Stilt + 12 residential floors. After presentation and deliberation the committee was asked to the PP to submit following details for further consideration of the project:

- Chronology of Wing- B status till date.
- NOC from the competent authority/ Structural Design Engineer regarding existing building i.e. “Block -B” (proposed for upliftment) can base work is capable to withstand load upto 12th floor ?
- Lay out/ design of the proposed building.
- MoEF&CC compliance report.

PP vide letter dated 28/01/2020 has submitted the queries reply which was asked in the in the SEAC 417th meeting dated 22.01.2020, which was placed before the committee. Committee considered the query reply submitted by the PP:

- That, the proposal for Environmental clearance was submitted in the year 2013 by considering FAR of 2.25 as per Madhya Pradesh Bhumi Vikas Rules, 2012. The said proposal envisaged 1 bldg. with 5 wings viz. A,B,C,D & E, all having the configuration Basement + Ground Floor + Podium + Stilt +12 upper floors. It was expected that Madhya

Pradesh Bhumi Vikas Rules, 2012 would be incorporated in Master Plan 2021 of Indore.

- That, the Indore Municipal Corporation approved the plans for the residential and commercial (on ground floor) development at plot no. 27, Yashwant Niwas Road, Tehsil and District - Indore. (MP) vide their letter dated 21.01.2015 as per the Master Plan of Indore 2021 i.e by granting FAR of 4.00 instead of expected FAR of 2.25. As per the said approved plans, the configuration of the building was as follows:
 - a. Wing A: 2 Basements + Ground (Shopping) + Mezzanine (Shopping) + Podium / Stilt + 12 residential floors.
 - b. Wing B: 2 Basements + Ground (clubhouse) + Mezzanine (clubhouse) + Podium / Stilt + 12 residential floors.
 - c. Wing C: 2 Basements + Ground (Shops, EWS & UG) + part 1 floor (EWS & UG) + Podium / Stilt + 8 residential floors.
 - d. Wing D: 2 Basements + Ground (Shops, EWS & UG) + part 1 floor (EWS & UG) + Podium / Stilt + 8 residential floors.
 - e. Wing E: 2 Basements + Ground (Shopping) + Mezzanine floor (Shopping) + Podium / Stilt + 12 residential floors.
- The plans were approved by Indore Municipal Corporation on 01.11.2017.
- Now, due to proposed increase in permissible FAR by introduction of TDR, we to utilize this potential on Wing B, thus restoring the configuration of wing B as per the amendment to EC issued vide letter dated 18.11.2015 read with corrigendum dated 29.03.2016.

The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Environment Clearance for Expansion in Construction for Residential & Commercial Development (Total Area = 12,626.00 sqm, FAR- 28,657.86 sqm, Non- Far- 40,231.28 sqm, Total Construction Area = 68,889.14 sqm) at Plot No. 27, Yashwant Niwas Road, Tehsil & Dist. Indore, (MP). , Category: 8 (a) Building & Construction Project., 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 ground water/surface water required for the project from the competent authority.
- v. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- vi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- vii. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- viii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.

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. 02 Diesel power generating sets 1 X 380 kVA & 1 X 600 kVA = 980 kVA proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.

- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from DG sets 1 X 380 kVA & 1 X 600 kVA = 980 kVA shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. The total water requirement during operation phase is 147 KLD out of which 78 KLD is fresh water requirement and 124 KLD will be the sewage generation out of which 111 KLD total recycled water recovered from STP, out of which 54 KLD recycled water will be used for flushing and 15 KLD for Horticulture / Landscape .
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.

- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total fire water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. For rainwater harvesting, 07 recharge pits will be constructed for harvesting rain water.
- xiv. The RWH will be initially done only from the roof top. Runoff from green and other open areas will be done only after permission from CGWB.
- xv. All recharge should be limited to shallow aquifer.
- xvi. No ground water shall be used during construction phase of the project.
- xvii. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xviii. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The recorded shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring report.
- xix. Sewage shall be treated in the STP with MBBR technology (Capacity - 150 KLD). The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.

- xx. The waste water generated from the project shall be treated in STP with MBBR technology of 150 KLD capacity and then reused for various purposes. No water body or drainage channels are getting affected in the study area because of this project.
- xxi. No sewage or untreated effluent water would be discharged through storm water drains.
- xxii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxiii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

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

V. Energy Conservation measures.

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

- v. Solar, wind or other renewable energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level /local building bye-law's 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 560 Kg/day, this consist all types of wastes (Bio- Degradable Waste: 325 Kg/day and Non- Bio Degradable 235.0 Kg/day , E-waste 115 kg / annum) and shall be treated/ disposed off as per provision made in the MSW Rules 2016.
- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (0.4 ton/day) shall be segregated into wet garbage and inert materials.
- v. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto small be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- i. Total 210 trees shall be planted in the area of 3021.17 sq. m sq.m. (which is 23.92% of total plot area) which is developed as greenbelt development .Not tree can be felled/transplant unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- ii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should included 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.
- iii. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- iv. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stack plied 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 352 ECS (in which 288 ECS provided for basement parking 46 ECS for Silt parking and 18 for open parking).

- iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

IX. Human health issues

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

X. Corporation Environment Responsibility

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

- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. PP proposed Rs. 121.40 lakh as capital cost and Rs. 14.44 lacks/year for recurring expenses in the project for EMP. However, for plantation, PP has proposed 52.00 Lakh as capital cost and 3.9.00 lakh / year as recurring in the EMP of operation phase.
- vi. For this project PP has proposed Rs 12.35 Lakhs as Corporate Environment Responsibility (CER).
- vii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The Environmental policy should prescribe for standard operating procedures to have proper checks and balance and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the Environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six monthly report.
- viii. 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.
- ix. 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.

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.

22. Case No. - 5788/2018 Shri Dinesh Devendra Agrawal, Khasra No. 274, Village - Sonegaon, Tehsil - Tirodi, Dist. Balaghat, MP Prior Environment Clearance for Modernization of Manganese Mine in an area of 4.99 Ha. (4,961 tonne per annum of Mn + 2,126 tonne per annum of rejects + 4,687 tonne per annum of Waste) (Khasra No. 274) at Village- Sonegaon, Tehsil - Tirodi, Dist. Balaghat (MP). Env. Con.: CSIR-Central Institute of Mining and Fuel Research (Council of Scientific & Industrial Research) Barwa Road, Dhanbad Jharkhand.

This is case of Modernization of Manganese Mine in an area of 4.99 Ha. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra No. 274) at Village- Sonegaon, Tehsil - Tirodi, Dist. Balaghat (MP) The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultant in 335th SEAC meeting dated 01/12/2019. It being a case of major mineral, after presentation, committee decided to recommend standard TOR prescribed by MoEF&CC with following additional TOR's and as per annexure-D:

- Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
- If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
- Top soil management plan.
- Land use plan should be plotted on the map.
- 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.
- Hydro geological studies should be carried out and be discussed in the EIA report.
- DFO Certificate to be submitted by PP along with EIA report.

PP has submitted the EIA report vide letter dated 04/12/2019 which was forwarded through SEIAA vide letter no. 3468 dated 09/12/2019.

In the 415th SEAC meeting dated 07-01-2020, the EIA was presented by the PP and their consultant wherein during presentation several anomalies/mistakes were observed by the committee in the final EIA report/ data of the EIA report and shown in presentation were not corresponding with each other which is not acceptable and therefore after presentation committee asked PP to submit Revised EIA Report (as per EIA Notification, 2006) making necessary corrections as pointed out during presentation. PP was also asked to submit details on following:

- Point-wise TOR compliance with its proper indexing of the content.
- Inventory of the trees in lease area.
- Revised & complete DFO certificate as per additional ToR point.
- Some scheduled –I species are recorded in study area as per the submitted EIA report, hence protection Plan is needed, as per wildlife protection and conservation act.
- All the original reports, back-up data, copy of log books with its calculation of air, water, noise and soil are to be submitted from accredited labs.
- Average values of P.M 2.5 needed to be cross check as they are entirely different in EIA report and final presentation.
- Revised EMP & CER as suggested during presentation.
- Revised plantation scheme as suggested during presentation.

PP has submitted the response of above quarries with revised EIA report vide letter dated 22.01.2019. The query reply presentation was made by the PP and their consultant wherein it was observed by the committee that proposal of total 5400 nos. of plants has submitted at back filled area, reclaim area and proposal for procurement of additional land for plantation is also given by PP. PP has also proposed quantity of 2600 cum. soil which shall be utilized for plantation. The submissions made by PP before the committee found satisfactory. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for Modernization of Manganese Mine in an area of 4.99 Ha. (4,961 tonne per annum of Mn + 2,126 tonne per

annum of rejects + 4,687 tonne per annum of Waste) (Khasra No. 274) at Village- Sonegaon, Tehsil - Tirodi, Dist. Balaghat (MP), subject to the following special conditions:

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

7. No intermediate stacking of soil is permitted and same shall be utilized for plantation
8. No tree falling is proposed during the mining activity.
9. The proposed mining shall be opencast followed by drilling and controlled blasting is proposed.
10. The controlled blasting technique will not be exceeded 1.5 meter in one slice. The face will be oriented in such a way so throw of blasted material / fly rocks should always be opposite of the habitation.
11. The height will be maintained as 2-6 meters and width of the benches will be 6 meters.
12. The individual bench face will kept nearly 80⁰-85⁰ while the overall pit slope is approx. 45⁰.
13. 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 mining period including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) including the village side to provide additional protection in one year only. As proposed in the EMP minimum of 5400 no's of trees will be planted within five years which shall be covered 5.507 ha. at back filled area, reclaim area and on additional land as proposed in the proposal by PP .

14. Transportation road shall be made pucca.
15. Transportation of material shall be done in covered vehicles.
16. Transportation of minerals shall not be carried out through forest area.
17. The OB till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the IBM.
18. As proposed Garland drains 1147MX4MX2.0M (LXW XD) and 02 nos. of settling pitss (size 25 m x 10 m x 2 m =500 cum (total 1000 cum) (LXW XD) should be provided to avoid silt discharge. Settling tanks shall be connected with garland drains for proper sedimentation.
19. The existing and proposed land use plan of the mine is as follows:

S. No.	Land Use category	5th Year (in Ha)	Conceptual Period (in Ha)
1	Excavation	1.89	
2	Waste Dump	0.631	---
3	Top Soil Dump	--	---
4	Road	0.16	---
5	Built Up Area	---	---
6	Water reservoir	---	0.430
7	Afforestation	0.161	3.6631
8	Reclamation (Backfilled)	0.158	0.8969
9	Mineral Storage	---	---
10	Processing (Crushing)	---	---
11	Undisturbed Area	2.151	---
	Total	4.99	4.99

20. 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.
21. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
22. The commitments made in the public hearing are to be fulfilled by the PP.

23. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
24. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

25. The proposed EMP cost is Rs. 30.069 Lakhs and Rs. 4.877 Lakhs /year are proposed as capital and recurring expenses.
26. Under CER activity total Rs. 5.00 Lakhs will be as capital cost and Rs. 9.0 Lakhs/year as recurring cost has proposed for different activities and should be implemented through respective committees.
27. 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.
28. 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.
29. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
30. PP will comply with all the commitments made vide letter dated 22.01.2019
31. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

(Dr. Sonal Mehta)
Member

(Dr. Mohd. Akram Khan)
Member

(Dr. R. Maheshwari)
Member

(Dr. Anil Sharma)
Member

(R.S.Kori)
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/Murum and Soil quarries:

1. Mining should be carried out as per the submitted land use plan and approved mine plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and fenced from all around the site. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
5. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
6. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
7. Crusher with inbuilt APCD & water sprinkling system shall be installed minimum 100 meters away from the road and 500 meters away from the habitations only after the permissions of MP Pollution Control Board with atleast 03 meters high wind breaking wall of suitable material to avoid fugitive emissions.
8. Thick plantation shall be carryout in the periphery/barrier zone of the lease, mineral evacuation road and common area in the village. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
9. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
10. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
11. A separate bank account should be maintained for all the expenses made in the EMP and CSR 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.

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. The mining activity shall be done manually and as per the land use plan & approved mine plan submitted by PP.
5. No heavy vehicles shall be allowed to enter the river bed and the transportation of the sand from the excavation pits of the leased area to the loading point shall be through trolleys (tractor trolleys) and not by heavy vehicles. Only registered 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.
6. 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.
7. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.

8. 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.
9. No Mining shall be carried out during Monsoon season.
10. The depth of mining shall be restricted to 3m or water level, whichever is less. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
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 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.
12. 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.
13. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
14. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
15. 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.
16. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
17. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
18. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. 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.
19. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
20. 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.
21. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
22. 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.
23. 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.
24. 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.

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 CSR 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.

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 CSR cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
 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.

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.

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