

The 540th meeting of the State Expert Appraisal Committee (SEAC) was held on 08th January, 2021 under the Chairmanship of Dr. Praveen Chandra Dubey for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing –

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

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

1. **Case No 7212/2020 M/s. MCC Mahadev Constructions Pvt. Ltd, B-27/70, 2nd Floor, Barhar Kothi, Gurudham Chauraha, Durgakund, Dist. Varanasi, UP - 221005 Prior Environment Clearance for Stone Quarry (for making Gitti by Mechanical Crushing) in an area of 1.50 ha. Production 43482 M³/Year (1,08,705 Tonne per annum) (Khasra No. 6/3, 7/1, 7/2, 8/1, 8/2), Village - Sardaman, Tehsil - Hanumana, Dist. Rewa (MP). Env. Consultant- Shri Sanjay Singh, M/s. P&M Solutions, NOIDA, (U.P.).**

This is case of Stone Quarry (for making Gitti by Mechanical Crushing). The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 6/3, 7/1, 7/2, 8/1, 8/2), Village - Sardaman, Tehsil - Hanumana, Dist. Rewa (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 Tehsildar Office letter no. 276 dated: 30/10/2018 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 442nd SEAC dated 16/06/2020 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The EIA was presented by Env. Consultant Shri Sanjay Singh from M/s. P&M Solutions, NOIDA, (U.P.) on behalf of PP wherein PP submitted that the proposed project is in cluster situation as other leases are within 500 m radius of lease & total lease area becomes greater than 5 ha. The other area granted under QL is 10.172 ha within 500m. So, as per the EIA notification 2006 and its subsequent amendment, proposed project fall in category B1.

Salient features of the Mining project:

- Mining will be done by opencast semi-mechanized method with drilling & controlled/ muffle blasting. During development, hydraulic excavators will be used.
- Working will be carried out in one shift of 8 hours during day time only.
- No explosive will be stored at mine site.
- All applicable rules of MMR 1961, Mines Act-1952, Mines Rules 1955, will be followed for safe, scientific & systematic working.
- The working will be done under the supervision of a Qualified Mines Manager.
- The height & width of the benches will be 5.0 to 6 m.
- Working of mine, as per approved plans and regularly updating the mine plans.
- Permanent fencing will be provided at the top edge of opencast working.
- Controlled & muffle blasting will be done using delay detonator to prevent flying fragments. Muffle blasting will also be practiced.
- Blasting will be done by qualified blaster. Wet drilling is carried out or dust collectors provided.
- Blasting will be carried out with optimum charge for heaving effect only in large boulders.
- Proper stemming of holes will be carried out and Spacing of holes will be more than burden.
- Rock breaker will mainly be used instead of drilling and blasting.
- Blasting will be done in noon when temperature inversion is minimum.

- Before a shot is charged, stemmed or fired, sufficient warning by signal will be given over the entire area falling within the danger zone and ensured that all persons within such area have taken proper shelter.
- All necessary precautions as enumerated under 106(2)(b) of MMR 1961 will be followed.

General Information :

QL area history	The LOI for grant of quarry lease area is sanctioned by Collector (Mining branch) Rewa vide its letter No. 6281/khanij/2019, Rewa dated 30.11.2019 for 10 years. The QL has been executed for 10 years period w.e.f 28.05.2020 to 27.05.2030.
Mining Plan Approval	The mining plan has been approved vide letter no. 1677/M.P./N.K./2019 dated 20.12.2019
TOR granted	vide letter no. 351/PS-MS/MPPCB/SEAC/TOR(442)/2020 dated 26.06.2020
Public hearing conducted	The public hearing was conducted on 25.03.2021.

It was observed that as per Google image based on coordinates provided by PP, a kachha road is existed at 13 m in the East side of the lease and a pucca road 200 m in the south side and natural drain is 54 m in the NW direction. PP submitted that Kaccha road situated in east direction at 10 meter is private road in land of Fagua Ram (khasra no 9). This land is consented to us by the owner and the road has been prepared by us for approaching the 2 proposed QL areas and rented office in north. The two houses (Khaprail) in north and north east also is rented to us. PP further stated that 09 trees are existed within the lease area, out of this, 4 tree (1 Neem, 2 Mango & 1 Amla) is in 7.5m safety barrier zone. It will not be uprooted during mining. 05 trees (1 Mahua, 1 Mango, 2 Eucalyptus, 1 Khamer) are falling in mineable area which will be uprooted with due approval of statutory authority. Since forest area is involved PP has obtained DCLC approval in meeting dated 01/03/2019 and this mine is at a distance of 219m from forest boundary.

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

1. Commitment from PP regarding owning of kaccha road.
2. Revised plantation scheme & species as suggested by the committee.
3. Specification and design of Garland drain and settling tank.
4. Details of final closure from 6th year onwards.
5. Revised EMP & CER details as suggested by the committee.

PP vide their letter dated 08.01.2022 submitted query reply which was placed before the committee which were found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Stone Quarry (for making Gitti by Mechanical Crushing) in an area of 1.50 ha. Production 43,482 M³/Year (1,08,705 Tonne per annum) (Khasra No. 6/3, 7/1, 7/2, 8/1, 8/2), Village - Sardaman, Tehsil - Hanumana, Dist. Rewa (MP) , subject to the following special conditions in addition to the standard conditions at annexure 'A':

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary in three rows.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2.5 feet 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 2250 out of which 750 trees on the Barrier zone & 1500 trees along the transport road with tree gaurd.
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 on Garland drain grass and other seeds to be sown .
25. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
28. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.

29. The commitments made in the public hearing are to be fulfilled by the PP.
30. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
31. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

32. In the proposed EMP, capital cost is Rs. 11.90 Lakh is proposed and Rs.5.30 Lakh /year as recurring expenses.
33. Under CER activity, following activities are proposed based public hearing issues.

S/n	CER activities		Rate	Total cost(Rs)
1	Charnoi Land Development			15,000/-
	Actual cost to be deposited for Fodder development to forest department in consultation with DFO	1.5 ha	Rs 10000 per hectare	15,000/-
2	Infrastructure Development			90000/-
	Promotion & aid for primary education to poor child in village Sardaman	1 school (40 kits)	Distribution of books & 1 kits in school of village sardaman (@Rs. 1000/kit)	40,000
	Installation of hand pump in village Sardaman	1 hand pump	@ Rs. 50,000/ handpump	50,000
3	Sustainable Livelihood			
	Provide employment to the local villagers 29 persons (direct) & 25 indirect. The payment to the workers will be done as per the Minimum Wages Act into the bank accounts preferably.	29	Wages will be given as per administrative rules.	
4	Health			65000/-
	Distribution of as sanitization kit (hand sanitizer, hand gloves and nose mask) and training to villagers for precautions needed in pandemic in village Sardaman	50 person	@ Rs. 100/set including gloves, sanitizer & mask	5000
	Aid during medical emergency to local villagers	10 persons	@ Rs. 2000/per head	20000
	Heath checkup camps	1 health camp	Rs 30,000/ camp	30,000
	Awareness for vaccination	Hoardings & announcement		10,000

5	To develop green belt around school building and Distribution of fruit plants in village Sardaman	150 saplings	@ Rs. 200/sapling	30,000
Total CER Budget				2,00000/-

34. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.

35. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

2. **Case No 7213/2020 M/s. MCC Mahadev Constructions Pvt. Ltd, B-27/70, 2nd Floor, Barhar Kothi, Gurudham Chauraha, Durgakund, Dist. Varanasi, UP – 221005 Prior Environment Clearance for Stone Quarry (for making Gitti by Mechanical Crushing) in an area of 2.429 ha. Production 82143 M³/Year (205357.50 Tonne per annum) (Khasra No.10/2, 11/1, 11/2, 11/3, 12/1, 12/2, 12/3), Village - Sardaman, Tehsil - Hanumana, Dist. Rewa (MP). Env. Consultant- Shri Sanjay Singh, M/s. P&M Solutions, NOIDA, (U.P.).**

This is case of Stone Quarry (for making Gitti by Mechanical Crushing). The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No.10/2, 11/1, 11/2, 11/3, 12/1, 12/2, 12/3), Village - Sardaman, Tehsil - Hanumana, Dist. Rewa (MP) 2.429 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. 273 dated: 30/10/2018 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 442nd SEAC dated 16/06/2021 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The EIA was presented by Env. Consultant Shri Sanjay Singh from M/s. P & M Solutions, NOIDA, (U.P.) on behalf of PP wherein PP submitted that the proposed the proposed project is in cluster situation as other leases are within 500 m radius of lease & total lease area becomes greater than 5 ha. The other area granted under QL is 7.743 ha within 500m. So, as per the EIA notification 2006 and its subsequent amendment, proposed project fall in category B1.

Salient features of the Mining project:

- The total mineral resources and reserves have been calculated by surface area method In this method the surface mineralized area is multiplied by the thickness of the stone to give the volume. This in turn has been multiplied by the bulk density(2.5) to find out the tonnage.
- Mining will be done by Opencast semi-mechanized method with adopted of drilling & controlled & & muffle blasting. During development, hydraulic excavators will be used while developing.
- Working will be carried out in one shift of 8 hours during day time only.
- No explosive will be stored at mine site.
- All applicable rules of MMR 1961, Mines Act-1952, Mines Rules 1955, MCR-2016, MCDR-2017 will be followed for safe, scientific & systematic working.
- The working will be done under the supervision of a Qualified Mines Manager.
- The height of the benches will be 6.0 m & width will be 6m .
- Working of mine, as per approved plan and regularly updating the mine plans.
- Permanent fencing will be provided at the top edge of opencast working.
- Controlled & muffle blasting will be done using delay detonator to prevent flying fragments. Muffle blasting will also be practiced.
- Blasting will be done by qualified blaster. Wet drilling is carried out or dust collectors provided.
- Blasting will be carried out with optimum charge for heaving effect only in large boulders.
- Proper stemming of holes will be carried out and Spacing of holes will be more than burden.
- Rock breaker will mainly be used instead of drilling and blasting.

- Blasting will be done in noon when temperature inversion is minimum.
- Before a shot is charged, stemmed or fired, sufficient warning by signal will be given over the entire area falling within the danger zone and ensured that all persons within such area have taken proper shelter.
- All necessary precautions as enumerated under 106(2)(b) of MMR 1961 will be followed.
- The compliance of Safety Rules/Statutory Provisions will be implemented and regularly monitored. The posting of safety officer will be in accordance with the requirement of Mines Act and their duties and responsibilities shall be as defined thereof.

General Information:

QL area history	The LOI for grant of quarry lease area was sanctioned by Collector (Mining branch) Rewa vide its letter No. 4482/khanij/2019, Rewa dated 24.06.2019 for 10 years. The QL has been executed for 10 years period w.e.f 28.05.2020 to 27.05.2030.
Mining Plan Approval	The mining plan has been approved vide letter no 1297/M.P./N.K./2019 dated 09.10.2019.
TOR granted	vide letter no. 349/PS-MS/MPPCB/SEAC/TOR(442)/2020 dated 26.06.2020
Public hearing conducted	The public hearing was conducted on 25.03.2021.

During presentation it was also observed that It was observed that as per Google image based on coordinates provided by PP a pucca road 79 m in the south side , some isolated houses in NW corner & west side adjacent to the lease area and south side & eastern side. PP submitted that no mining will be carried out within 50m distance from village road & 100 m from habitation area. PP submitted that there are two houses (Khaprail) situated near the QL area. One is located in north east of Sardaman QL area 1.50 hecets and other in north west of Sardaman QL area 2.429 ha. Both the houses belong to Sri Fagua Ram who has consented and rented the house to the PP for office purpose. The houses are not public and belong to the PP. Moreover Since this mine is at a distance of 150 m from forest boundary PP has obtained DCLC approval in meeting dated 05/03/2019. PP further submitted that about 8 trees & few bushes were found in the lease area. Out of this, 5 tree (1 Amla, 1, Bargad, 2

Neem, & 1 Mahua) are in 7.5 ha barrier zone. It will not be uprooted during mining. Three trees (2 Eucalyptus & 1 Amla) & few bushes found in mineable area which will be uprooted with due approval of statutory authority.

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

1. Copy of the agreement with house owner which are existed in the adjacent to the lease area.
2. Revised plantation scheme & species as suggested by the committee.
3. Specification and design of Garland drain and settling tank.
4. Details of final closure from 6th year onwards.
5. Revised EMP & CER details as suggested by the committee.

PP vide their letter dated 08.01.2022 submitted query reply which was placed before the committee which were found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Stone Quarry (for making Gitti by Mechanical Crushing) in an area of 2.429 ha. Production 82143 M3/Year (205357.50 Tonne per annum) (Khasra No.10/2, 11/1, 11/2, 11/3, 12/1, 12/2, 12/3), Village - Sardaman, Tehsil - Hanumana, Dist. Rewa (MP)., subject to the following special conditions in addition to the standard conditions at annexure 'A':

(A)PRE-MINING PHASE

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

8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary in three rows.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2.5 feet 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 3700 out of which 900 trees on the Barrier zone & 2800 trees along the transport road with tree guard.
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 on Garland drain grass and other seeds to be sown .
25. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.

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

(C) ENTIRE LIFE OF THE PROJECT

32. In the proposed EMP, capital cost is Rs. 14.0 Lakh is proposed and Rs.5.40 Lakh /year as recurring expenses.
33. Under CER activity, following activities are proposed based public hearing issues.

S/n	CER activities		Rate	Total cost(Rs)
1	Charnoi Land Development			25000
	Actual cost to be deposited for Fodder development to forest department in consultation with DFO	2.429 ha	Rs 10000 per hectare	25000/-
2	Infrastructure Development			80000/-
	Promotion & aid for primary education to poor child in village Sardaman	1 school (30 kits)	Distribution of books & 1 kits in school of village sardaman (@Rs. 1000/kit)	30,000
	Installation of hand pump in village Sardaman	1 hand pump	@ Rs. 50,000/ handpump	50,000
3	Sustainable Livelihood			
	Provide employment to the local villagers 29 persons (direct) & 25 indirect. The payment to the workers will be done as per the Minimum Wages Act into the bank accounts preferably.	29	Wages will be given as per administrative rules.	

4	Health			65000/-
	Distribution of as sanitization kit (hand sanitizer, hand gloves and nose mask) and training to villagers for precautions needed in pandemic in village Sardaman	50 person	@ Rs. 100/set including gloves, sanitizer & mask	5000
	Aid during medical emergency to local villagers	10 persons	@ Rs. 2000/per head	20000
	Heath checkup camps	1 health camp	Rs 30,000/ camp	30,000
	Awareness for vaccination	Hoardings & announcement		10,000
5	To develop green belt around school building and Distribution of fruit plants in village Sardaman	150 saplings (in fenced area)	@ Rs. 200/sapling	30,000
Total CER Budget				2,00000/-

34. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.

35. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

3. Case No 8867/2021 Shri Vishnu Singh, Owner, 22, Dhar Road, Jawahar Tekri, Sinhasa, Dist. Indore, MP Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (ROM - 21054 Cum per annum, Stone - 20000 Cum per annum, Murrum as overburden - 1052 Cum per annum) (Khasra No. 62/1/2/1), Village - Rangwasa, Tehsil - Depalpur, Dist. Indore (MP) Consultant Shri Amit Saxena Apex Mintech Udaypur (Rj.)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 62/1/2/1), Village - Rangwasa, Tehsil - Depalpur, Dist. Indore (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Consultant Shri Amit Saxena on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman patra) letter No. 2503 dated 01/12/21 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total area of 41.0 ha., including this mine. It was observed that as per Google image based on coordinates provided by PP it was observed that the lease is partially excavated and a Kachcha road is existed at a distance of 94 m in NW side of the lease. Being it's a case Stone Quarry with total area of 41.0 ha. including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Justification wrt to lease is partially excavated.
2. Appropriate setbacks shall be considered and proposed in the surface map & production map etc. wrt Human settlement/ Sensitive area / public road / /River/ Canal etc. as per policy decision taken by SEIAA meeting 694th dated 26.11.2021 & MPSEIAA meeting 695th dated 09.12.2021.
3. Cumulative impact of air, noise & traffic shall be incorporated in final EIA Report.
4. Crusher is located in nearby hence, protection measures to be included in the EIA report.
5. Detailed evacuation plan with transport route, required infrastructure and manpower is to be discussed in the EIA report.
6. Transportation plan & traffic management plan should be discussed in the EIA report.
7. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
8. A satellite Image of the area showing all the mines and crusher located in the cluster, mineral evacuation route, all important features like water body, habitation, roads, industry and other mines etc located within 5 km radius of the cluster.
9. A surface plan of the entire cluster area (contour interval not more than 3.0 m) with maximum and minimum RL of each mine of cluster.
10. Air pollution control measures adopted by each mine and crusher in the cluster.

11. An evacuation plan for entire cluster with evacuation route shown on a map, location of school, hospital, habitation etc falling on the route should also be shown on the map. The plan should also include the type and condition of the road and a justification that road network is adequate to evacuate the proposed production from the cluster.
12. Ambient Air Quality Monitoring in the nearby villages locations to be conducted for one season (winter).
13. Furnish the name and production of the each mine within 01 kms radius that were in operation during the base line data collection.
14. Photography and Videography should also be done during collection of baseline data.
15. Noise Monitoring in the nearby villages locations be conducted for one season (winter).
16. Discuss in EIA report the present scenario of OB management with locations of OB dump marked on map, measures taken for stabilization of dump, photographs of OB dump and proposed OB management plan for entire cluster.
17. Provide information regarding mine wise requirement of water, mine wise source of water and total water requirement of entire cluster.
18. A blast induced ground vibration and air over pressure study for the mines located within 500 m of any dwellings or any other important structure. The study should clearly recommend a site specific square root predictor equation for determining the maximum charge/delay that can be safely used.
19. A drainage plan for entire cluster and surface run off management plan.
20. Hydrological studies be carried out to address the impact of existing mining activities on ground water. The report shall clearly mention the maximum depth up to which mining can be allowed in the cluster without causing any adverse impact on ground water and extent up to which mining can be allowed near surface water body.
21. Proposed plantation scheme and If plantation is proposed outside the lease area also, commitment of district administration is also required.
22. Public consultation be conducted as per EIA Notification, 2006.
23. In addition to EMP for entire cluster in the EIA report a site specific EMP for each mine should also be prepared and submitted separately.
24. Provide details of court cases/ litigations pending, if any.

4. Case No 8868/2021 Shri Narayan Lal, Owner, 2 Balda Colony, Nai Patti, Dist. Indore, MP, Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (ROM - 21054 Cum per annum, Stone - 20000 Cum per annum, Murrum as

overburden - 1052 Cum per annum) (Khasra No. 62/1/2/1), Village - Rangwasa, Tehsil - Depalpur, Dist. Indore (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 62/1/2/1), Village - Rangwasa, Tehsil - Depalpur, Dist. Indore (MP) 4.0 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Consultant Shri Amit Saxena on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman patra) letter No. 2501 dated 01/12/21 has reported that there are 08 more mines operating or proposed within 500 meters around the said mine with total area of 46.0 ha., including this mine.

During presentation it was observed that as per Google image based on coordinates provided by PP it was observed that a human settlement is existed at a distance of 444 m in south and Pucca road is existed at a distance of 500 m in NW side of the lease. Being it's a case Stone Quarry with total area of 46.0 ha. including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Appropriate setbacks shall be considered and proposed in the surface map & production map etc. wrt Human settlement/ Sensitive area / public road / /River/ Canal etc. (if any) as per policy decision taken by SEIAA meeting 694th dated 26.11.2021 & MPSEIAA meeting 695th dated 09.12.2021.
2. Cumulative impact of air, noise & traffic shall be incorporated in final EIA Report.
3. Detailed evacuation plan with transport route, required infrastructure and manpower is to be discussed in the EIA report.
4. Crusher is located in nearby hence, protection measures to be included in the EIA report.
5. Transportation plan & traffic management plan should be discussed in the EIA report.
6. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.

7. A satellite Image of the area showing all the mines and crusher located in the cluster, mineral evacuation route, all important features like water body, habitation, roads, industry and other mines etc located within 5 km radius of the cluster.
8. A surface plan of the entire cluster area (contour interval not more than 3.0 m) with maximum and minimum RL of each mine of cluster.
9. Air pollution control measures adopted by each mine and crusher in the cluster.
10. An evacuation plan for entire cluster with evacuation route shown on a map, location of school, hospital, habitation etc falling on the route should also be shown on the map. The plan should also include the type and condition of the road and a justification that road network is adequate to evacuate the proposed production from the cluster.
11. Ambient Air Quality Monitoring in the nearby villages locations to be conducted for one season (winter).
12. Furnish the name and production of the each mine within 01 kms radius that were in operation during the base line data collection.
13. Photography and Videography should also be done during collection of baseline data.
14. Noise Monitoring in the nearby villages locations be conducted for one season (winter).
15. Discuss in EIA report the present scenario of OB management with locations of OB dump marked on map, measures taken for stabilization of dump, photographs of OB dump and proposed OB management plan for entire cluster.
16. Provide information regarding mine wise requirement of water, mine wise source of water and total water requirement of entire cluster.
17. A blast induced ground vibration and air over pressure study for the mines located within 500 m of any dwellings or any other important structure. The study should clearly recommend a site specific square root predictor equation for determining the maximum charge/delay that can be safely used.
18. A drainage plan for entire cluster and surface run off management plan.
19. Hydrological studies be carried out to address the impact of existing mining activities on ground water. The report shall clearly mention the maximum depth up to which mining can be allowed in the cluster without causing any adverse impact on ground water and extent up to which mining can be allowed near surface water body.
20. Proposed plantation scheme and If plantation is proposed outside the lease area also, commitment of district administration is also required.

21. Public consultation be conducted as per EIA Notification, 2006.
22. In addition to EMP for entire cluster in the EIA report a site specific EMP for each mine should also be prepared and submitted separately.
23. Provide details of court cases/ litigations pending, if any.

5. Case No 8869/2021 M/s Balaji Developers, Partner, Shri Sumit Mittal, 301, Pukhraj Corporate, Dist. Indore, MP Prior Environment Clearance for Stone Quarry in an area of 4 ha. (ROM - 94737 Cum per annum, Stone - 90000 Cum per annum, Murrum as overburden - 4736 Cum per annum) (Khasra No. 2554, 2555, 25556, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566/1, 2566/2, 2567, 2568, 2569, 2570, 2571, 2572), Village - Kampel, Tehsil - Khudail, Dist. Indore (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 62/1/2/1), Village - Rangwasa, Tehsil - Depalpur, Dist. Indore (MP) 4.0 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Consultant Shri Amit Saxena on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman patra) letter No. 2505 dated 02/12/21 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 14.818 ha., including this mine.

During presentation it was observed that as per Google image based on coordinates provided by PP it was observed that a human settlement is existed at a distance of 444 m in south and kachha road is existed at a distance of 34 m in south side of the lease and a natural drain is also existed at a distance of 209 m in the north side and 565 m in the east side of the lease. Being it's a case Stone Quarry with total area of 14.818 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:-

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

6. Case No 8874/2021 Madanpura Quartzite Stone Quarry, Shri Arpit Sharma, Village - Madanpura, Tehsil - Chhatarpur, Dist. Chhatarpur (MP). Prior Environment Clearance for Quartzite Stone Quarry in an area of 10.0 ha. (25000 Cum per annum) (Khasra No. 10), Village - Madanpura, Tehsil - Chhatarpur, Dist. Chhatarpur (MP). EIA Consultant: CSIR-Central Institute of Mining and Fuel Research, Dhanbad.

This is case of Quartzite Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 10), Village - Madanpura, Tehsil - Chhatarpur, Dist. Chhatarpur (MP) 10.0 ha. The project requires prior EC before commencement of any activity at site.

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

7. Case No 8879/2021 M/s Siddhanta Pharma Pvt. Ltd, Dr. Subodh Varsheny, M-156, Gautam Nagar, Dist. Bhopal, MP - 462023 Prior Environment Clearance for proposed construction/operation activities on production capacity of 200 Tonne

per month API/ pharmaceutical intermediates product at Plot No. UD-2, Village - Chirakhan, Pithampur Industrial Area, AKVN, Near Ramkey, Tehsil - Depalpur, Dist. Dhar (MP) [246320] Cat. 5(f) Synthetic Organic Chemicals Industry (Dyes & Dye Intermediates) Project.

This is case of Prior Environment Clearance for proposed construction/operation activities on production capacity of 200 Tonne per month API/ pharmaceutical intermediates product at Plot No. UD-2, Village - Chirakhan, Pithampur Industrial Area, AKVN, Near Ramkey, Tehsil - Depalpur, Dist. Dhar (MP) [246320] Cat. 5(f) Synthetic Organic Chemicals Industry (Dyes & Dye Intermediates) Project.

Salient Feature of Project

- M/s. Siddhanta Pharma Pvt Ltd (SPPL) , is Medium scale manufacturing facility located at UD-2, Pithampur Industrial Area, Near Ramkey, Tehsil: Depalpur Dist.: Dhar (M.P.)
- Proposed production capacity of API/Bulk Drug & Intermediates will be 2400 TPA MT/Annum.
- The project occupies a plot Area of 30620 m² of land. The total fixed cost of the project is estimated as INR 5000 Lacs.
- The major facilities will be Boiler, MEE, Reactors, Cooling Towers, Effluent Treatment Plant (ETP), and R.O Plant. Facilities like administrative office, parking and greenbelt/plantation will also be developed as per plan/requirement. The treated water will be used for cooling towers, floor washing and gardening/green belt.
- Total raw water requirement for the proposed project will be 115 KLD fresh and after recycling of 48 KLD , the fresh water requirement will be 67 KLD.. The water will be sourced from AKVN Pithampur MP)
- The total wastewater generation from the domestic source will be 8 KLD and industrial wastewater generation will be 51 KLD. Process effluent will be segregated into concentrated effluent stream 20 KLD and normal effluent stream (31 KLD).
- Solid waste generated during the manufacturing process and wastewater treatment process is mainly sludge and will be disposed at authorized TSDF facility, as per Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2008 (Amendment 2016). M/s Siddhanta Pharma will take authorization Under Hazardous Waste (Management, Handling & Transboundary Movement), Rules.
- Power will be sourced from existing line of 'Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company'. The total requirement will be 1200 KW. In case of power failure, D.G. of 1000 KVA and 500 KVA will be used as a backup power source.
- The total capital cost for environmental measures is kept as Rs. 175 Lacs (capital cost) is allocated for environmental management systems and the annual recurring cost for the same is Rs 96.30 Lacs

Salient Feature of Project

S.N.	Component	Status
1	Name	M/s. Siddhanta Pharma Pvt Limited
2	Location	Plot No.UD-2 Pithampur Industrial Area, AKVN, Tehsil :Depalpur Dist : Dhar PIN (M.P.)
3	Product type	M/s. Siddhanta Pharma proposes the manufacturing of API / pharmaceutical intermediates products with production capacity: of 200 MT/Month
4	Project Type	Green field manufacturing unit for API / pharmaceutical intermediates products
5	Schedule / Project Activity No. - as per EIA notification	5 (f) Synthetic Organic Chemicals As per EIA Notification 2006, and Amendments thereof. As per the MoEF&CC's amendment of EIA Notification, 2006 [vide S.O. 1223 (E), dated 27/03/2020, API Products shall be appraised as "Category - B2"
6	Category of Project	MSME
7	Area Details in Sq Meter	
i	Total Plot Area	30620 m ²
iii	Green belt Area	approx. 33 % land area is allocated for green belt
8	Production Details	
i	Production Capacity	Production Capacity of API & Pharmaceutical Intermediates, and related products with production capacity of 2400 TPA
9	Budgetary Allocation	
i	Project Cast	5000 Lakhs
ii	EMP Cast	
	Capital cost	175 Lacs for EMS viz. ETP, MEE, APCM etc
	Annual re-occurring cost	96.30 Lacs for EMS - O&M and monitoring etc
iii	CER Activities	13 Lacs
10	Power Requirement	
ii	Total Power Requirement	1200 KW
iii	Source	MPEB
11	Fuel Requirement	

i	Briquette/Coal for Boilers (2 TPH)	Agro Briquette (6 T/day)	
ii	Briquette/Coal for Boilers (3 TPH)	Agro Briquette (8 T/day)	
iii	HSD For DG Set (1000 kVA)*	180 lit/hour	
iv	HSD For DG Set (500 kVA)*	96 lit/hour	
12	DG Set Details		
i	DG Set (1No.)-		
13	Utility Capacity		
		Capacity	Type of fuel
i	Proposed Steam Boiler	3.0TPH	Agro Waste /Briquette
ii	Proposed Steam Boiler	2.0 TPH	Agro Waste /Briquette
14	Scrubber Details		
i	Acid scrubber	1200 CMH	
ii	Alkali Scrubber	1200 CMH	
15	Stack Details		
i	Boiler Stack	300 MM Dia.X 36 M Height 450 MM Dia .X 30 M Height	
ii	Scrubber Stack	12 mtr	
iii	D.G. Set- 1000 kVA	30 meter	
	D.G. Set- 500 kVA	10 meter	
16	Man Power		
i	Construction phase	100-150	
	Operation phase	200 workers per day	
17	Water Details		
i	Total Water Requirement	115 KLD	
ii	Recycle water *	48 KLD	
iii	Actual fresh water requirement	67 KLD	
18	Effluent Details		
i	Domestic Effluent	8 KLD	
ii	Process Effluent	51 KLD	
iv	Total effluent generation	59 KLD	
19	ETP Details		

i	Stream segregation	Effluent will be segregated as High COD/High TDS & Low COD/Low TDS Effluent
ii	High COD/High TDS Effluent	High COD/high TDS Effluent will be treated in stripper column followed by MEE with Agitated thin film dryer. The effluent will further be treated in ETP followed by RO system.
iii	Low COD/Low TDS Effluent	Low COD/Low TDS Effluent will be treated in a Effluent Treatment Plant comprising of Primary, Secondary & Tertiary treatment like sand filter carbon filter and than RO system. Effluent further will be treated in RO System The effluent after treatment in ETP and RO system will be reused within the company premises as cooling tower makeup water and boiler feed etc. The sewage effluent will be treated in a Effluent Treatment Plant/RO along with other effluent and reused. Industry will maintain ZLD system.
20	Waste Management	
i	Solid waste, Hazardous waste,	All Haz. waste, solid & other waste will be segregated and properly stored prior to its final disposal and its managed would be carried out as per HW Rules, SW Rules & CPCB/PCB guideline

List of Products

Group No.	Sr. No.	Chemical Name of the product	CAS No.	Qty (MT/M)	Type/Categor y of Product	End Use
		Anti Diabetic Drug & Intermediate				
A	1	Alogliptin	850649-62-6	250	API	Anti diabetic drug
	2	Canagliflozin	842133-18-0		API	Treatment of dibetes
	3	Empagliflozine	864070-44-0		API	treatment of type 2 diabetes
	4	Gliclazide	21187-98-4		API	treatment of type 2 diabetes
	5	Glimepride	93479-97-1		API	Anti dibetic
	6	Vildagliptin and intermediate	274901-16-5.		API	antidiabetic agent
	7	Sitagliptin	486460-32-6		API	Antihypeglycemic
	8	Saxagliptin	361442-04-		API	hypoglycemic

Group No.	Sr. No.	Chemical Name of the product	CAS No.	Qty (MT/M)	Type/Category of Product	End Use
			8			
	9	Tenlegliptin	1572583-29-9		API	antidiabetic agent
	10	Voglibose	83480-29-9		API	Antidibetic
	11	Dapagliflizin	461432-26-8		API	Anti-dibetic
	12	pioglitazone	111025-46-8		API	Anti-dibetic
	13	Linagliptin	668270-12-0		API	Anti-dibetic
	14	Semaglutide	910463-68-2		API	Anti-dibetic
B		Hypertensive / blood pressure Drug and Intermediate		250		
	1	Valsartan	37862-53-4		API	Treatment of hypertension
	2	Chlorthalidone intermediate and	77-36-1		API	Slowing the production of cholesterol
	3	Rosuvastatin Calcium	147098-20-2		API	anti-hypertensive
	4	cilnidipine	132203-70-4		API	High , Blood Pressure
	5	Olmesartan	144689-63-4		API	For pulmonary arterial hypertension
	6	Ambrisentan	177036-94-1		API	To treat high blood pressure
	7	Telmisartan	144701-48-4		API	To treat high blood pressure
	8	Ramipril	87333-19-5		API	To treat high blood pressure
	9	Benidipine	91599-74-5		API	To treat high blood pressure
	10	Torsemide	56211-40-6		API	To treat high blood pressure
	11	Lisinopril	83915-83-7		API	To treat high blood pressure
C		Antiviral Drug & Intermediate		100		
	1	Abacavir sulphate and Intermediate	188062-50-2		API	Antiviral Drug
	2	Dolutegravir	1051375-16-6		API	Antiviral Drug
	3	Ritonavir	155213-67-5		API	Antiviral Drug

Group No.	Sr. No.	Chemical Name of the product	CAS No.	Qty (MT/M)	Type/Category of Product	End Use
	4	Sofosbuvir	1190307-88-0		API	Antiviral Drug
	5	Tenofovir	202138-50-9		API	Antiviral Drug
	6	Rilpivirine	500287-72-9		API	Antiviral Drug
	7	Favipiravir	259793-96-9		API	Antiviral Drug
	8	Darunavir	206361-99-1		API	Antiviral Drug
D		Other Drug & Intermediate				
	1	Tamsulosin hydrochloride	106463-17-6	1600	API	prostate gland treatment
	2	Citicoline Sodium	33818-15-4		API	To treat Memory loss due to aging .
	3	Clopidogrel Bisulphate	120202-66-6		API	used to treat the symptoms of acute coronary syndrome such as a stroke
	4	Etorocoxib	202409-33-4		API	Anti inflammation due to rheumatoid arthritis, psoriatic arthritis, osteoarthritis, ankylosing spondylitis
	5	Levosulpiride.	23672-07-3		API	Antipsychotic for nausea, vomiting
	6	Luliconazole	187164-19-8		API	Antifungal
	7	Rifaximin	80621-81-4		API	Antibiotic
	8	Benfotiamine	22457-89-2		API	medication or dietary supplement to treat diabetic neuropathy.
	9	Montelukast	158966-92-8		API	Anti asthma& allergic rhinitis
	10	Rifampicin	13292-46-1		API	Anti TB
	11	Mycophenolate	24280-93-1		API	immunosuppressant
	12	Sevelsmer	52757-95-6		API	used to treat hyperphosphatemia
	13	Naproxen	22204-53-1			inflammatory diseases
	14	Jacobsen,s catalyst (N, N'-bis-1,2-cyclohexanediaminomangan	138124-32-0		Intermediate	

Group No.	Sr. No.	Chemical Name of the product	CAS No.	Qty (MT/M)	Type/Category of Product	End Use
		ese(III) chloride,)				
	15	Bicyclo ketone	74288-40-7		Intermediate	Imipenam (API) Intermediate
	16	Para nitro benzyl Bromide	100-11-8		Intermediate	Drug Intermediate
	17	5-Dicarboxylic acid	570-22-9		Intermediate	Drug Intermediate
	18	Theophylline	58-55-9		API	used in therapy for respiratory diseases
	19	Salicylic acid	69-72-7		API	used to treat warts, skin tags, calluses, psoriasis, dandruff, acne
	20	1,1-cyclohexane-diacetic acid & 1,1-cyclohexane-diacetic acid monoamide	99189-60-3		Intermediate	Gabapentin Drug intermediate
	21	Paracetamol	103-90-2		API	Fever and pain
	22	Cyanoacetic acid	372-09-8		Intermediate	Pharmaceutical drug Intermediate
	23	Beta Naphthol	135-19-3		Intermediate	Pharmaceutical drug Intermediate
	24	Azithromycin	83905-01-5		API	Antibiotic drug
	25	Gabapentin	60142-96-3		Intermediate	used to treat partial seizures and neuropathic pain
	26	Ascorbic acid	50-81-7		API	Vitamin C
	27	Methylcobalamin	13422-55-4		API	Vitamin
	28	cyanocobalamin	130209-82-4		API	Vitamin
	29	Thiamine	155206-00-1		API	Vitamin B1
	30	Riboflavin	157283-68-6		API	Vitamin B2
	31	Vitamin K27	494-19-9		Intermediate	Vitamin K2
	32	Vitamin K1	32943-25-2		Intermediate	controlling binding of calcium in bones and other tissues
	33	Ketamine	33948-22-0		Intermediate	Anesthetic
	34	Alprazolam	4698-11-7		Intermediate	anti-anxiety
	35	Diazepam	298-46-4		API	Anticonvulsants
	36	Aripiprazole	28721-07-5		API	antipsychotic
	37	Risperidone	303-49-1		API	antipsychotic
	38	N-methyl 2-pyrrolidone	113-52-0		Intermediate	Drug Intermediate

Group No.	Sr. No.	Chemical Name of the product	CAS No.	Qty (MT/M)	Type/Category of Product	End Use
	39	Oxytetracycline	79-57-2		API	Antibiotic
	40	Ferrous ascorbate	24808-52-4		API	Vitamin
	41	Vitamin D3	67-97-0		API	Vitamin
	42	Pyridostigmine Hydrochloride	155-97-5		API	treatment of myasthenia gravis and congenital
	43	Bronopol	52-51-7		API	antimicrobial
	44	Citrimide powder	8044-71-1		API	antiseptic
	45	benzalkonium chloride	63449-41-2		API	antimicrobial
	46	Chlorhexadine gluconate	55-56-1		API	used for skin disinfection before surgery
	47	Povidone Iodine	25655-41-8		API	antiseptic used for skin disinfection before and after surgery
	48	cetyltrimethylammonium chloride	112-02-7		API	topical antiseptic
	49	N,N-diethyl-2-chloro ethyl amine hydrochloride.	99 869-24-9		intermediate	Intermediate of cyproheptadine
	50	Matebromo Anisole	104-92-7		Intermediate	Intermediate of Tramadol Hcl
E	Anticancer Drug and Intermediate			100		.
	1	Capacitabine	154361-50-9		API	Anticancer
	2	Dasatinib	302962-49-8		API	Anticancer
	3	Emtricitabine	143491-57-0		API	Anticancer
	4	Enzalutamide	915087-33-1		API	Anticancer
	5	Becaltutamide	90357-06-5		API	Anticancer
	6	Cytarabine	147-94-4		API	Anticancer
	7	Doxorubicin	23214-92-8		API	Anticancer
	8	Geftinib	184475-35-2		API	Anticancer
	9	Imatinib Mesylate	152459-95-5		API	Anticancer
	10	Oxaliplatin	63121-00-6		API	Anticancer
	11	carboplatin	41575-94-4		API	Anticancer
	12	Cisplatin	15663-27-1		API	Anticancer
F		Rituximab	174722-31-	100	API	It is usually used

Group No.	Sr. No.	Chemical Name of the product	CAS No.	Qty (MT/M)	Type/Category of Product	End Use
			7			to treat rheumatoid arthritis and osteoarthritis.
		Avacopan	1346623-17-3		API	It is used to treat a certain type of arthritis (psoriatic arthritis).
		Process Development and Research Product			API	
	TOTAL		--	2400TPA	--	--

Land Use Pattern

S. No.	Particular/Purpose	Area (Sq. M.)	% of land
1.	Build up Area production block	5600	18.29%
2.	RM store	1200	3.92%
3.	Finished good /QA QC area	555	1.81%
4.	Admin block/Canteen	555	1.81%
5.	Utility /Auxiliary	1332	4.35%
6.	ETP/MEE	700	2.63%
7.	Internal Road	5340	17.44%
8.	Green belt	10528	34.38%
9.	Open land	4810.75	15.71%
Total Area		30620	100.00%

Environmental Setting

Sr. No.	Particular	Description	Distance (km)
1.	Google Co-ordinates	Latitude: 22° 38'02.4"N Longitude: 75°41'05.5E	
3.	Nearest National Highway	NH-47	7.9 km
3.	Nearest city	Indore	27 km
4.	Nearest Village	Chirakhan Village	2.50 km

5.	Nearest Airport	Indore Airport	25.0
6.	Nearest Railway station	Mhow	8.0 km
7.	Nearest River	Sarasvati	12.00 km
8.	Archaeological Site	None within 10km radius	
9.	National Park / Wild Life Sanctuary / Marine Sanctuary	None within 10km radius	
10.	Seismicity	Seismic Zone-II	

Air Pollution control Measures

Air Pollution Control Measures									
S. No.	Stack Attached to	Stack Height (m)	Dia of stack at top(m)	Temp. of exhaust gases (⁰ C)	Exit Velocity (m/sec)	APCM	Pollutant Emission Rate (mg/Nm ³)		
							SPM	SO ₂	NOx
Estimated Emission from stack									
1	Boilers (Coal/ Bio-coal/FO) 3 TPH	36	0.45	160	8.5	Bag Filter Green belt	<95	<12	<15
2	Boiler 2 TPH Coal/FO	30	0.3	160	8.5		<95	<12	<15
3	DG Set 1000 kVA (Standby)	11	0.225	210	15.0	stack	<100	<25	<30
4	DG Set 500 kVA (standby)	11	0.225	210	15.0	stack	<100	<25	<30

WATER BALANCE

S. No	Purpose/Area	Total Quantity KL/day	Recycle KL/Day	Loss/Consumption/Evaporation/Daily Make up water etc. (KL/Day)/process generation	Waste water Generation (KL/Day)
1	Domestic	10		2.0	08
2	Gardening Land Scape Development	10		10	00

3	Industrial Purpose				
(i)	DM Plant/Purified water/Reject	20			10
(ii)	Process	10	12*from purified water permeate	-2evaporation loss / + 2 generate from Process	22
(iii)	Washing /cleaning	5+5*		2	8
(iv)	Boiler	30	24(Boiler condensed)	4.0 Evaporation Loss	2.0Boiler Blow Down
(v)	Cooling Tower	20	11 (RO/ MEE Treated water)	6 evaporation Loss	3 bleed off
(vi)	Scrubber	1.0			1.0
(vii)	R&D	4.0			5.0
	Total Industrial	95	47	15	51
	TOTAL	115	47	27	59

- Storm water drainage system shall be developed and shall be maintained preciously to prevent the flow of silt and other contaminant outside of the site
- The entire trade effluent will be divided into two streams i.e. Stream-I (high concentrated streams) and Stream-II (low concentrated stream). Both the streams will be treated in well-designed ETP, RO and MEE.
- Low COD /TDS wastewater (including process effluent, washing, blow downs from cooling towers, boiler, scrubber, Softener regeneration) will be sent to ETP followed by CETP of Vicar Udogpuri Industrial Area.
- High COD / TDS wastewater (consisting process effluent) will be sent to MEE/ATFD. Condensate will be reused and bottom salt will be sent to a common TSDF site.
- Utilization of treated wastewater in toilet flushing, greenbelt development and dust suppression
- A drain along the boundary wall shall be made, which will be connected proposed settling tank to protect the flow of contaminant towards nearby area
- Storm water drainage system will be developed for unit and shall be maintained preciously to prevent the flow of silt and other contaminant outside of the site.
- Blow downs from cooling towers, boiler, ACF/MGF Cleaning, Softener regeneration, Vacuum pump will go to ETP
- Water harvesting structure need to provide further strength with proper maintenance
- ZERO effluent discharge has been implemented, and after expansion, the same shall be maintained.

After presentation and discussion PP was asked to submit following revised details:

- Layout map in A -3 Size
- Treatment of domestic effluent in proposed ETP.
- Revised Green Belt development Plan
- Revised budget and activities under CER programme include skill development activity in collaboration of any govt. institute & water facility in the Ralamandal Wild Life Sanctuary, Indore.

PP vide letter dated 08.01.2022 submitted reply of the above query. The query reply was presented by the PP and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for proposed API & pharmaceutical intermediates unit at plot no UD-2 at Pithampur Industrial Area, Near Rameky Facility, Tehsil Depalpur Dist Dhar (MP). proposed by M/s Siddhanta Pharma Pvt Limited , M-156 , Gautam Nagar Chetak Bridge , Govindpura Bhopal , MP 462023 : Land Area 30620 Sq Mt Proposed Capacity : Bulk Drug & API : 200 Tonne per month under . Cat. 5(f) Synthetic Organic Chemicals Industry (Bulk Drug) Project subject to the following special conditions:

(A) Statutory compliance:

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

(B) Air quality monitoring and preservation

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to MPPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.

3. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (if applicable). The gaseous emissions from the boiler, DG set and scrubber shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
4. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
5. The DG sets (500 KVA and 1000 KVA) shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
6. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
7. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

(C) Water quality monitoring and preservation

1. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
2. As already committed by the project proponent Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
3. The High COD/TDS process effluent (20 KLD) and RO Reject will be treated through MEE/ ATFD. The MEE condensates will be recycled/ reused and MEE bottom will be sent to TSDF site
4. The Low COD/TDS effluent, [31 KLD)] will be treated in an on-site ETP followed by RO . The treated effluent will be reused/ recycled.
5. Adhere to 'Zero Liquid Discharge and No industrial effluent from the unit shall be discharged outside the plant premises. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
6. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the Madhya Pradesh Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
7. Total fresh water requirement shall not exceed 67 KLD and AKVN water supply shall be used
8. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
9. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
10. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

(D) Noise monitoring and prevention

1. Acoustic enclosure shall be provided to DG (500 KVA and 1000 KVA KVA) set for controlling the noise pollution.
2. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
3. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

(A) Energy Conservation measures

1. The energy sources for lighting purposes shall preferably be LED based.
2. The total power requirements for project will be 1200 KW . The power will be supplied by Madhya Pradesh Electricity Board. Briquette will be used in boiler of 2 TPH and 3 TPH

(B) Waste management

1. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
2. As proposed, 92-95% solvent recovery shall be achieved and recovered solvent shall be reused in the process.
3. Hazardous wastes such as spent solvents, organic incinerable wastes/residues, used filter bags, packaging materials, rejected/expired raw materials and off specification/ rejected finished products from the manufacturing plants shall be directly sent to CTSDF, Dhar.
4. The Fly ash generated from boilers shall be stored in silos and disposed of through cement manufacturers by bulkers / closed containers and should comply with Fly Ash Utilization Notification, 1999 and as amended subsequently.
5. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
6. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
7. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.
8. Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.
9. The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
10. Storage areas should be provided with adequate number of spill kits at suitable locations. The spill kits should be provided with compatible sorbent material in adequate quantity.
11. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.

12. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
13. All the storage tanks of raw materials/products shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls of suitable height shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.
14. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
15. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
16. The company shall undertake waste minimization measures as below:
 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - c. Use of automated filling to minimize spillage.
 - d. Use of Close Feed system into batch reactors.
 - e. Venting equipment through vapour recovery system.
 - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.

(C) Green Belt

1. The green belt of 5-10 m width shall be developed 10520 sq. meter within and periphery of plant (2200 no), in downward wind direction and along road sides etc. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department.
2. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2.5 feet height of species which are fast growing with thick canopy cover preferably of perennial green nature and species as suggested by the committee. As proposed 2000 no of plants shall be distributed to villagers. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

(D) Safety, Public hearing and Human health issues

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
3. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
4. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

5. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
6. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
7. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

(E) EMP & Corporate Environment Responsibility

1. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
2. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
3. The proposed EMP cost is Rs. 175.0 Lakhs as capital and 96.30 Lakhs /year as recurring cost
4. The proposed CER cost will be 15.0 lacs which will be incurred on skill training development programme. PP shall conduct CER programme as skill development activity in coordination with ITI for which budgetary of 10.60 lakhs has been made at Sardarpur & adjoining area and Water facility shall be provided in the Ralamandal Wild Life Sanctuary, Indore for which 04.0 lakhs has been allocated .
5. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
6. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous

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

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

8. Case No 8871/2021 Shri Sutikshan Pandey S/o Shri Shivshankar Pandey, Near Railway Station Godahara, Tehsil - Huzur, District - Rewa, MP - 485775 Prior Environment Clearance for Stone Quarry in an area of 1.721 ha. (20,000 Cum per annum) (Khasra No. 611, 612, 613), Village - Pagra, Tehsil - Amarpatan, Dist. Satna (MP) Env. Consultant- Shri R.K. Pandey, Aseries Envirotech India Pvt. Ltd., Lucknow (U.P.).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 611, 612, 613), Village - Pagra, Tehsil - Amarpatan, Dist. Satna (MP) 1.721 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Env. Consultant- Shri Amar Yadav on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 2279 dated 13/8/19 has reported that as per available record there is no mine is sanctioned of minor mineral within 500 meters but 01 mine is sanctioned of major mineral of Limestone which has area of 575.83. As per Google image based on online KML file uploaded by PP it was observed that the lease is located on hillock, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Natural drain	495& 321	South & NE	Provision of Garland drain & settling tanks.

Kachha Road	adjacent to the lease & >500	South-west	Revise surface map showing with appropriate set back showing during presentation.
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After presentation committee asked PP to submit response on following issue:

1. Revise surface map showing with appropriate set back wrt kachha road
2. Revised Plantation scheme as suggested by committee.
3. Revised water requirement chart.
4. Revised EMP.
5. Revised CER- Propose proposal of boundary wall in the school as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 08/01/2022, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 20,000 Cum per annum .
2. A budgetary provision for Environmental management Plan of Rs.12.50 Lakh as capital and Rs. 03.42 Lakh/year.
3. As proposed, a minimum of 2100 trees shall be planted as per the submitted plantation scheme.
4. Under CER activity, following activities are proposed based public hearing issues.

Village	FOR SOCIAL WELFARE:	Amount to be spent
Pagra .	To Contribute in construction of Boundary wall (70ft x5ft) At Govt. Higher Secondary School Near by Village Pagra .	Rs. 70,000

9. **Case No 8872/2021 Shri Vijay Kumar Jadav, Owner, R/o 03, Nirala Nagar, Badbad Naka, Dist. Ratlam, MP - 457001 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (10260 Cum per annum) (Khasra No. 292), Village -**

Jamthun, Tehsil - Ratlam, Dist. Ratlam (MP) Env. Consultant- Shri R.K. Pandey, Aseries Envirotech India Pvt. Ltd., Lucknow (U.P.).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 292), Village - Jamthun, Tehsil - Ratlam, Dist. Ratlam (MP) 2.0 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Consultant- Shri R.K. Pandey on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-patra) letter No. 4866 dated 28/9/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine. As per Google image based on online KML file uploaded by PP it was observed that the lease is located on hillock, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Human settlement	177 & 250	East & NW	Revise surface map showing with appropriate set back and three rows of plantation .
Natural drain	Adjacent	SW & NW	Revise surface map showing with appropriate set back & Provision of Garland drain & settling tanks.
Pucca Road	110	East	Protection plan with three rows of Plantation towards road side.
Kachha Road & adjacent to the lease	178	South	Proposal of tree rows plantation .

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

1. Revise surface map showing with appropriate set back wrt natural drain, kachha & pucca road.
2. Revised land use details.
3. Revised production plan.
4. Revised Plantation scheme as suggested by committee.
5. Revised water requirement chart.
6. Revised EMP.

7. Revised CER- Propose proposal of boundary wall in the school as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 08/01/2022, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 10,260 Cum per annum .
2. A budgetary provision for Environmental management Plan of Rs.8.90 Lakh as capital and Rs. 02.89 Lakh/year.
3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme.
4. Under CER activity, following activities are proposed based public hearing issues.

Village	FOR SOCIAL WELFARE:	Amount to be spent
Jamthun.	Distribution of 500mask and 02no. Bottle of 10ltr. hand sanitizer in village, Jamthun.	10,000/-
Jamthun.	Development of playground and installation of see-saw, merry-go-round in primary school Jamthun.	40,000
Total		50,000

10. Case No 8873/2021 M/s ECO MED Solutions, Shop No. 2, Kheri Road, Sector-98, Dist. Faridabad, Haryana - 121002 Prior Environment Clearance for Proposed Common Bio-Medical Waste Treatment Facility Total Area – 4100 Sq.mt. (1.07 Acre) • 1 No. Incinerator of capacity 100 kg/hr (Dry) • 1 No. Autoclaving of capacity 250 kg/hr • 1 No. Shredding of capacity 100 kg/hr each • ETP Capacity –5

KLD ha., at Plot No. - 84, P & H in Lahgadua Industrial Area, District- Chhindwara (MP) [69688] Cat. – 7(da) Common Bio-Medical Waste Treatment Facility. Env. consul

This is case of Prior Environment Clearance for Proposed Common Bio-Medical Waste Treatment Facility Total Area – 4100 Sq.mt. (1.07 Acre) • 1 No. Incinerator of capacity 100 kg/hr (Dry) • 1 No. Autoclaving of capacity 250 kg/hr • 1 No. Shredding of capacity 100 kg/hr each • ETP Capacity –5 KLD ha., at Plot No. - 84, P & H in Lahgadua Industrial Area, District- Chhindwara (MP) . Cat. – 7(da) Common Bio-Medical Waste Treatment Facility.

The case was presented by the Shri G.K. Mishra , Env. Consultant from Amaltas Enviro Industrial Consultants LLP Gurugram on behalf of PP and their consultant wherein PP submitted that the proposed unit will be established in the notified industrial area at Lahgadua Industrial Area, District- Chhindwara (MP). PP stated following salient features of the project are as:

- M/s. Eco Med Solutions is proposing to establish Common Bio-Medical Waste Treatment Facility in Lahgadua Industrial Area, Chhindwara District to provide cleaner and healthier environment
- The project Incharge is M/s. Eco Med Solutions.
- The project site is industrial plot having an area of 4100 Sq.mt. (1.07 Acre) land is on lease for proposed Common Bio Medical Waste Treatment Facility.
- Collection, transportation, storage & treatment of Bio Medical Waste as stipulated in Bio-medical Waste (Management & Handling) Rules 1998 as amended in 2016 and CPCB Guidelines for installation of Common Bio-medical Waste Treatment Facility
- The project is categorized under Item 7(d)(a) of the Schedule-Gazette Notification dated 17th April, 2015 of MoEF&CC, therefore, the project requires prior Environmental Clearance.

Name of the project	Common Bio Medical Waste Treatment Facility (CBWTF)
Promoter	Mr. Sumit Babbar of M/s. Eco Med Solutions
Location of Industry	Plot No. 84, P&H Lahgadua Industrial Area District Chhindwara (M.P)

Total Plot Area	4100 Sq.mt.(1.07 Acre)
Open Area	146.08 sq.mt. (1572.4 sq.ft.)
Green Area	2153.34 sq. mt. (23178.32 sq.ft.)
Capacity	1 No. Incinerator of capacity 100 kg/hr (Dry) 1 No. Autoclave of capacity 250 kg/hr 1 No. Shredder of capacity 100 kg/hr each ETP Capacity – 5.0 KLD
Water Requirement	Approximately 5 KLD of water required during construction of the unit from MPIDC. During construction phase, required water will be sourced by government.

During presentation it was observed by the committee that a complaint was received by SEAC from M/s. Krupa Wastage, Seoni vide no. BMW/KW/2021/381 dated 06.12.2021 addressed to Member Secretary, M.P. SEIAA and CC to Member Secretary, M.P. SEEAC wherein complainer stated that MPPCB has given Authorization of CBWTF facility in six districts for Seoni, Balaghat, Mandala, Dindori, Chhindwara & Narsinghpur, in these districts 5348 nos. of beds are covered. In addition to this further capacity of expansion of 4000 no. of beds are available with them and as per rule they (M/s. Krupa Wastage, Seoni) are proposing latest technique plant of 100Kg/ hours capacity. Complainer further stated that they have come to know that M/s. ECO MED Solutions, Chhindwara is applying for TOR for installing facility in Chhindwara district whereas distance of Seoni to Chhindwara is about 70 KMs and as per Revised Guidelines for CBWTF issued by CPCB in the year 2016 mentioned under point no. 08, page 10, that no new CBWTF facility shall be installed within 75 KMs radius, and if any pre-existing CBWTF facility does not have capacity/availability of 10,000 beds then new facility can be installed in the 150 KMs distance.

Thus committee after deliberations decided that PP should submit relevant documents/justification on above issues for further consideration of case for grant of TOR.

11. Case No 8875/2021 Smt. Kalpana Sanvala, Owner, Village - Kasab, Tehsil - Susner, Dist. Agar Malwa, MP Prior Environment Clearance for Stone Quarry in an area of 1.40 ha. (8453 Cum per annum) (Khasra No. 2718), Village - Kasab,

Tehsil - Susner, Dist. Agar Malwa (MP) Env. Consultant M/s. Amaltas Enviro Industrial Consultants LLP, Gurugram.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 2718), Village - Kasab, Tehsil - Susner, Dist. Agar Malwa (MP) 1.40 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Shri Varun Bhardwaj Env. Consultant M/s. Amaltas Enviro Industrial Consultants LLP, Gurugram on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-patra) letter No. 369 dated 17/3/21 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 5.40 ha., including this mine. As per Google image based on online KML file uploaded by PP it was observed that the lease is in 02 part and as per Khasra map electric line passing from NW side of the lease , around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	490 & 377	East & SE	Protection plan with three rows of Plantation towards road side.
Kachha Road	45	North	Appropriate set back shall be proposed .
Natural drain	>500	SW & NW	Provision of Garland drain & settling tanks.
Some tree	within lease	-	Tree inventory & Tree Management plan

Being it's a case Stone Quarry with total area of 5.40 ha. including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Justification why lease is in 02 parts.

- Inventory of all existing trees with their girth and height details and if any tree is to be uprooted, then its proper management plan it should be clearly addressed in EIA.
- Protection plan w.r.t kachha road at 45 meters and electric line passing from NW side of the lease .
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled “Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”, and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and manpower is to be discussed in the EIA report.
- 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.

12. Case No 8876/2021 Shri Dinesh Singh Bundela, Suryanchal Gadhi, Tehsil - Ghuwara, Dist. Chhatarpur, MP - 471525 Prior Environment Clearance for Murrum Quarry in an area of 1.50 ha. (10365 Cum per annum) (Khasra No. 1198/1), Village - Ghuwara, Tehsil - Ghuwara, Dist. Chhatarpur (MP) (RQP Ram Vishal Shukla)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1198/1), Village - Ghuwara, Tehsil - Ghuwara, Dist. Chhatarpur (MP) 1.50 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Ram Vishal Shukla on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-patra) letter No. 6008 dated 04/10/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine. Since it is a Murrum Quarry, no blasting and drilling is proposed mining shall be through Opencast Semi Mechanized Method. As per Google image based on online KML file uploaded by PP it was observed that Around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	235	South	Three rows of Plantation towards road side.
06 tree	within lease	-	No tree felling is proposed.
Some construction (02 house)	170	South	PP submitted these are site office of earlier PP.

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

1. PP's commitment wrt 02 houses in the south side and tree cutting is proposed.
2. Revised Plantation scheme as suggested by committee.
3. Revised EMP add tree guard .
4. Revised CER as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 08/01/2022, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 10,365 Cum per annum .
2. A budgetary provision for Environmental management Plan of Rs.11.29 Lakh as capital and Rs. 03.645 Lakh/year.
3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme.
4. Under CER activity, following activities are proposed based public hearing issues.

B. FOR SOCIAL WELFARE (Please provide physical targets only) As per MoEF&CC OM dated 25/02/21		
Sr. No.	PHYSICAL TARGETS	FUNDS ALLOCATED (IN Rs.)
1.	Financial help to Government Boys Higher Secondary School of Ghuwara village for Library Books and Reading 5 tables.	75,000

2.	20 shady species trees namely Neem, kadamb, Putranjeeva, Kachnar etc. saplings for Government Boys Higher Secondary School of Ghuwara village along the boundary wall.	5,000
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13. Case No 8877/2021 Shri Ashok Patidar, Village - Khokrakalan C/o Village - Chakranabad, Tehsil - Kalapipal, Dist. Shajapur, MP - 465337 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (5000 Cum per annum) (Khasra No. 25/16), Village - Chakranabad, Tehsil - Kalapipal, Dist. Shajapur (MP) RQP Swati Namdeo

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 25/16), Village - Chakranabad, Tehsil - Kalapipal, Dist. Shajapur (MP) 1.0 ha. The project requires prior EC before commencement of any activity at site.

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

14. Case No 8878/2021 Shri Dulichandra Patel, Owner, House No. 67 Village Majhguwa Post Karrapur, Korwana District - Sagar, MP - 470337 Prior Environment Clearance for Stone Quarry in an area of 1.238 ha. (25000 Cum per annum) (Khasra No. 1510/1/2/1/1, 1510/1/2/1/2, 1241, 1511/2, 1252/4/1/2), Village - Devpur, Tehsil - Bakaswaha, Dist. Chhatarpur (MP) (RQP Ram Vishal Shukla)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1510/1/2/1/1, 1510/1/2/1/2, 1241, 1511/2, 1252/4/1/2), Village - Devpur, Tehsil - Bakaswaha, Dist. Chhatarpur (MP) 1.238 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Ram Vishal Shukla on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 2114 dated 06/7/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine. PP submitted that mining shall be carried out through rock

breaker hence no blasting is proposed and same proposed in the mining plan. As per Google image based on online KML file uploaded by PP it was observed that Around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	64	South East	Revise surface map showing 35 m set back wrt policy decision taken by SEIAA meeting 694th dated 26.11.2021 and issued vide no. 2590 dated 14.12.2021, Proposal of tree rows plantation .
Kachha Road	50	South East	Three rows plantation .
Isolated houses	109	East	

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

1. Revised surface map showing non mining area wrt road .
2. Revised Plantation scheme as suggested by committee.
3. Revised CER as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 08/01/2022, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 25,000 Cum per annum .
2. A budgetary provision for Environmental management Plan of Rs.10.90 Lakh as capital and Rs. 03.39 Lakh/year.
3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme.
4. Under CER activity, following activities are proposed based public hearing issues.

	B. FOR SOCIAL WELFARE (Please provide physical targets only) As per MoEF&CC OM dated 25/02/21
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Sr. No.	PHYSICAL TARGETS	FUNDS ALLOCATED (IN Rs.)
1.	One computer s along with printer & table in Government Middle School of Devpur village	40,000
2.	Financial help to Govt. Sanskrit School, Bheemkund	50,000
2.	20 shady species trees namely Neem, kadamb, Bahunia, Kachnar saplings for Govt. Primary school of Devpur village along the boundary wall.	5,000
	Total	95,000.00

15. Case No 8866/2021 Smt. Deepa Maheshwari, Owner, 31-B, Ward No.13, Soni Mohalla, Shamshabad, District- Vidisha, MP - 464228 Prior Environment Clearance for Stone Quarry in an area of 1.494 ha. (8000 Cum per annum) (Khasra No. 3/1/2, 3/2/1, 3/2/3, 3/2/4, 3/2/5, 3/2/6), Village - Rampura Khurd, Tehsil - Shamshabad, Dist. Vidisha (MP) RQP Shri Shirish Deulkar

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 3/1/2, 3/2/1, 3/3/3, 3/2/4, 3/2/5, 3/2/6), Village - Rampura Khurd, Tehsil - Shamshabad, Dist. Vidisha (MP) 1.494 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Shirish Deulkar on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 5942 dated 29/10/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine. PP submitted that mining shall be carried out through Jack Hammer hence, no blasting shall be carried out. As per Google image based on online KML file uploaded by PP it was observed that Around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	121 & 500	South –west & East	PP submitted that mining shall be carried out through jack hammer hence no blasting shall be carried.

Dug well	Within lease	-	Protection plan
01 Trees	Within lease	-	No tree felling is proposed.

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

1. PP commitment that mining shall be carried out through jack.
2. PP commitment that no tree felling is proposed.
3. PP commitment that dug well existed within lease area shall be protected.
4. Revised Plantation scheme as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 08/01/2022, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 8,000 Cum per annum .
2. A budgetary provision for Environmental management Plan of Rs.15.86 Lakh as capital and Rs. 03.09 Lakh/year.
3. As proposed, a minimum of 1800 trees shall be planted as per the submitted plantation scheme.
4. Mining shall be carried out through jack hammer hence no blasting shall be carried.
5. Under CER activity, following activities are proposed based public hearing issues.

sr., No	Description	Cost to be Incurred	Effected village
1.	Computer desktop with printer for middle School	65,000.00	Village- Rampura khurd
2.	5 electric fan, 10no.Black Board, 4pc carom board, 1volleyball set (as per school demand)	30,000.00	Village Rampura khurd

3.	Awareness camp a. Ground Water saving awareness programme (Road show And training). b. Covid-19 and health awareness programme, Traffic Rule, Advance Agriculture practice. c. Study tour	20,000.00	Village- Rampura khurd
	Total	1,15,000.00	

16. Case No 8870/2021 Shri Niranjan Singh Raghuwanshi, Owner, Ayodhya Nagar, Dharmkanta, Ganjbasoda, District- Vidisha, MP - 464331 Prior Environment Clearance for Flag Stone Quarry in an area of 1.0 ha. (Average 2300 Cum per annum) (Khasra No. 134/2), Village - Dailwada, Tehsil - Tyoda, Dist. Vidisha (MP)

This is case of Flag Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 134/2), Village - Dailwada, Tehsil - Tyoda, Dist. Vidisha (MP) 1.0 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Shirish Deulkar on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-patra) letter No. 5985 dated 08/11/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine. PP submitted that since it is a Flagstone Quarry, no blasting and drilling is proposed. Mining shall be through Opencast Semi Mechanized Method. As per Google image based on online KML file uploaded by PP it was observed that Around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachha Road	37	East	Revise surface map showing with appropriate set back wrt kachha road as per policy decision taken by SEIAA meeting 694th dated 26.11.2021 and Proposal of three of rows plantation .
Human settlement	650	South	Three rows of plantation .
02 Trees	In the barrier zone within lease area	-	No tree felling is proposed.

Natural drain	85 & 217	SW & SE	Provision of Garland drain & settling tanks.
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After presentation committee asked PP to submit response on following issue:

1. Revised surface map showing non mining area wrt kachha road.
2. Revised Plantation scheme as suggested by committee.
3. Revised CER as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 08/01/2022, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Flag Stone 2300 Cum per annum .
2. A budgetary provision for Environmental management Plan of Rs.11.52 Lakh as capital and Rs. 03.09 Lakh/year.
3. As proposed, a minimum of 1200 trees shall be planted as per the submitted plantation scheme.
4. Under CER activity, following activities are proposed based public hearing issues.

sr., No	Description	Cost to be Incurred	Effected village
1.	Drinking Water Cooler With R.O. .	45,000.00	Four Village Dailwada, Lehdar, Padhar & Bhilay
2.	2pc. Library bookshelves, story books & general knowledge books and sports kit for school	30,000.00	Dailwada middle school
3.	Awareness camp a. Ground Water saving awareness programme (Road show And training). b. Covid-19 and health awareness programme, Traffic Rule.	30,000.00	Four Village Dailwada, Lehdar, Padhar & Bhilay

4.	Advance Agriculture process.	5,000.00	
	Total	1,10,000.00	

(A. A. Mishra)
Member Secretary

(Dr. Praveen Chandra Dubey)
Chairman

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

Annexure- 'A'

Standard conditions applicable to Stone/Murram and Soil quarries:

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

21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
24. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
25. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora , fauna etc. Moreover, a separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
26. The project proponent shall follow the mitigation measures provided in MoEF&CCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
27. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
28. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
29. A display board with following details of the project is mandatory at the entry to the mine.
 - a. Lease owner's Name, Contact details etc.
 - b. Mining Lease area of the project (in ha.)
 - c. Production capacity of the project.
30. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) or concerned DFO or any other suitable agency and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
31. Entire plantation proposed in barrier zone of lease area shall be carried out in the first year itself as per submitted plantation scheme and along the fencing seed sowing of Neem, Babool, Safed Castor etc. shall also be carried out.
32. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
33. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.
34. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh "ANKUR YOJNA" by registering individual villagers on "Vayudoot app". Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.
35. Adequate provisions of water for irrigating plantation shall be made by PP.
- 35.a Causality replacement from 1st year upto 5th year of plantation or upto lease period (whatever in less). Plantation maintenance from 11th year upto lease period.
36. To know the soil quality, type and depth of the lease area the trial pit shall be dug out in the barrier zone.

37. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

Annexure- 'B'

Standard conditions applicable for the Sand Mine Quarries*

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

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

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

Annexure- ‘C’

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

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

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

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

Annexure- ‘D’

General conditions applicable for the granting of TOR

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

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

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

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

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

