

The 547th meeting of the State Expert Appraisal Committee (SEAC) was held on 09th February, 2022 under the Chairmanship of Dr. Praveen Chandra Dubey for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing –

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

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

1. **Case No. – 6622/2019 M/s Urmila Minerals, Chandmari Road, Dhawari, Dist. Satna, MP, Prior Environment Clearance for Expansion of Limestone & Laterite Mine in an area of 8.09 ha. Proposed Capacity Expansion From 50,000 to 1,84,000 TPA (Limestone – 1,24,000 TPA, Laterite – 60,000 TPA) (Khasra No.411P), Village - Tihai, Tehsil - Rampur - Baghelan, Dist. Satna (MP). M/s. Creative Enviro Services, Bhopal**

This is case of Expansion of Limestone & Laterite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No.411P), Village - Tihai, Tehsil - Rampur - Baghelan, Dist. Satna (MP) 8.09 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. 246 dated: 05/08/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 410^h SEAC dated 02/12/2019 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 Umesh Mishra from M/s. Creative Enviro Services, Bhopal and their representatives on behalf of PP. During presentation wherein PP submitted that this is case of expansion in excavation of Limestone (Major Mineral) Deposit Mine, which is captive in nature and lime stone will be used for cement plant of project proponent. The project has been proposed for the Mining of lime stone over Govt Waste Land by open cast through mechanized method. The project has been accorded Environment clearance vide no 4258 dated 21.10.2016. The Site was visited by official of MoEF&CC and certified compliance report was issued on 06.10.2021 vide letter no 18-B-272/2019(SEAC)/659 wherein no NC is reported. Mining will be confined to the allotted lease area which lies on the Govt waste land from which increased lime stone and laterite (From 40,000 TPA of Limestone/ 10000 TPA of Laterite to 1,24,000 TPA of Limestone/ 60000 TPA of Laterite will be excavated after expansion.

The mining lease has been granted in favour of M/s Mrs Urmila Tripathi over an area of 8.09 Ha on Khasra No 411 (P) situated in Village Tihai Tehsil- Raguraj Nagar & District Satna M.P. Mining will be carried out on the basis of govt. consent order for mining operations for 50 years. The total minable area is only 8.09 ha,. A total mineable reserve as per the mining plan for lime stone and laterite is 364465 and 324039 Tonne respectively & with maximum of production of Lime Stone mineral of 124000 TPA and Laterite 60000 TPA respective after capacity expansion. The proposed project is an opencast and fully mechanized mining project, where mining of lime stone and laterite will be done through drilling, blasting/ rock breaker, Jack hammer etc. After presentation committee asked PP to submit response on following issues:

1. Revised number of settling pits/ check drains, with revised width of garland drains towards downhill side of the hillock to capture the sudden water rush.
2. Revised plantation/green belt development Scheme as suggested by committee.
3. Revised CER activities with appropriate budget as per the issues raised in public hearing.

PP vide their letter dated 09.02.2022 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for

Capacity expansion in excavation of Tihai Limestone & Laterite Deposit in an area of 8.09 ha., for limestone from 40,000 TPA to 1,24,000 TPA and Laterite from 10,000 TPA to 60,000 TPA at Khasra No. : 411 (P) Village - Tihai, Tehsil – Raghuraj Nagar , Dist. Satna, M.P., subject to the following special conditions:

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

10. Muffle with nonel system for Blasting shall be adopted for proposed mining and no secondary blasting shall be done and rock breaker will be used instead secondary blasting only.
11. Working height of the loading machines shall be compatible with bench configuration.
12. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
13. No explosive will be stored at the mine site.
14. No intermediate stacking is permitted at the mine site.
15. No dump shall be stacked outside the lease area.
16. Overhead sprinklers shall be provided in mine.
17. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried

- out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
18. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 10850 trees shall be planted on barrier zone, backfilled area, and along the road (360 No of trees).
 19. Transportation of material shall be done in covered vehicles.
 20. Transportation of minerals shall not be carried out through forest area.
 21. The OB shall be reutilized for maintenance of road and for back filling. PP shall bound to compliance the final closure plan as approved by the IBM.
 22. 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. Apart from existing drain, four more drain is proposed having dimension of 124 X 1.0 X 1.5, 500 X 1.0 X 1.5, 380 X 2.0 X 1.5 and 260 X 2.0 X 1.5 each . Two settling tank having size of 440 X 0.5 X 1.0 and 377M2X 5.0mD has been observed whereas another two setting tank having dimension of 183 M2X 3.0mD , 1000 M2X 5.0mD are proposed
 23. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development. Regular de-silting of drains and pits should be carried out.
 24. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
 25. The existing and proposed land use plan of the mine is as follows:

Land use pattern of quarry lease area			
Items	Existing	SOM Period	Conceptual Period
Total lease area	8.09ha		
Ultimate depth of mining	2m above surface level	3m above surface (368m MSL)	2m bgl (363 m MSL)
Ultimate pit slope	45 degree	45 degree	45 degree
Area under dumps	Nil	Nil	Nil
Area under pits	0.95ha	3.1060ha	7.178

Infrastructure & Road	0.05ha	0.05ha	Nil
Mineral storage	Nil	Nil	Nil
Plantation	0.10ha	0.50ha	0.900ha
Un-worked area	6.99ha	4.434ha	0.012ha
Total	8.09ha	8.09ha	8.09ha
Water body	0.10ha	0.50ha	1.50ha
Area to be reclaimed	Nil	Nil	3.34ha
Plantation			
Un-worked area	0.10ha (90No.)	0.50ha (1000 No.)	0.90ha (1800no.)
Backfilled area	Nil	Nil	3.34ha (6680no)
Bench area	Nil	Nil	01.00ha (2000 no.)
Total area for plantation	0.10ha (90no.)	0.50 (1000 No.)	5.24ha (10480No.)

26. 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.
27. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
28. The commitments made in the public hearing are to be fulfilled by the PP.
29. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
30. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

31. In the proposed EMP, capital cost is Rs. 26.36 Lakh is proposed and Rs.17.40 Lakh /year as recurring expenses.
32. Under CER following physical target based activities based on public hearing has proposed by PP :

SN	Plan	Activity	Budget in Lacs
1.	Providing infrastructure	5 Fan, boys and girls toilet with water facility, 200	1.00

	support to the village primary school	plantation, one RO for drinking water facility at village Tihai & Piprahan Village.	
2	Maintenance of School building and Govt Building (Gram Panchayat)	Repairing of Cracks, Washing and painting at village Tihai .	2.00
3	Proviso towards Covid related activities	Distribution of Mask, Sanitizer at village Tihai & Piprahan Village.	0.25
4	Provision of supports activities	Maintenance of playground, Distribution of sports material, (Fisalpatti, Jhula, Cricket and football and hockey material) at village Tihai & Piprahan Village.	1.0
5	Road maintained	Maintenance of road from Nine site to pucca road (Kotar – Birsinghpur Road) (Length 500 Mtrs)	1.0
6	Seed and Plant distribution	High yield vegetable seeds distribution to 20 house hold and Distribution of fruit bearing plat like Kathal, Munga, Neebu, Amrud, and Aam at Piprahan Village .	0.50
	Total		5.75

33. 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.

34. 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 7410/2020 M/s Vandanaa Energy & Steels (P) Ltd, Plot No. 10/36, Near Raj Bhawan, Civil Lines, Dist. Raipur, CG - 492001 Prior Environment Clearance for Manganese Ore Deposit in an area of 9.915 ha. (4680 Tonne per annum) (Khasra No. 158/1, 159/1, 172/1, 173/1), Village - Miragpur, Tehsil - Khairlanji, Dist. Balaghat (MP) M/s. Creative Enviro Services, Bhopal

This is case of Manganese Ore Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 158/1, 159/1, 172/1, 173/1),

Village - Miragpur, Tehsil - Khairlanji, Dist. Balaghat (MP) , Area - 9.915 ha. (4680 Tonne per annum). The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 450^h SEAC dated 13/08/2020 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 Umesh Mishra from M/s. Creative Enviro Services, Bhopal and their representatives on behalf of PP, wherein PP submitted that this is case of Magansese ore (Major Mineral) Deposit Mine. The project has been proposed for the Mining of Manganese ore over Govt Revenue Land by open cast through mechanized method. Mining will be confined to the allotted lease area which lies on the Govt revenue land from which approximately 4680 TPA of Manganese ore will be excavated per annum. The mining lease has been granted in favour of M/s Vandana Energy & Steel (P) Ltd over an area of 9.915 Ha on Khasra No 158/1, 159/1, 172/1, 173/1 situated in Village Miragpur Tehsil- Khairlanji &, District Balaghat M.P. Mining will be carried out on the basis of govt. consent order for mining operations for 50 years. The total minable area is only 2.207 ha. . A total mineable reserve as per the mining plan is 11850 Tonne & with maximum of production of mineral of 4680 TPA . The proposed project is an opencast and fully mechanized mining project, where mining of Manganese will be done through drilling, Blasting, Jack hammer etc. During presentation as per Google image based on coordinates provided by PP, it was also observed that in the western direction, there is habitation at about 10 mtrs from the lease. PP has asked to follow the metalliferous mines act and applicable DGM ruling for blasting operation and blasting shall be done at least 100 mtrs away from the habitation. After presentation committee asked PP to submit response on following issues

1. Revised plantation/green belt development Scheme
2. Revised budget and activity under CER programme.
3. Marked Surface plan showing the distance between habitation and place of blasting as per provision of Metalliferous Mines act.

PP vide their letter dated 09.02.2022 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and

acceptable, hence committee decided to recommend the case for grant of prior EC for Miragpur Manganese ore Deposit in an area of 9.915 ha. (4680 tonne per annum), Khasra No. 158/1, 159/1, 172/1, 173/1, Village – Miragpur, Tehsil - Khairlanji, Dist. Dhar (MP) , subject to the following special conditions:

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

10. Blasting shall be carried out with muffles and nonel initiation system as per provision of DGM.
11. Safe distance shall be left due to blasting as per the provisions of Metalliferous Mines act between mining site and habited area.
12. Working height of the loading machines shall be compatible with bench configuration.
13. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
14. No explosive will be stored at the mine site.
15. No intermediate stacking is permitted at the mine site.
16. No dump shall be stacked outside the lease area.
17. Overhead sprinklers shall be provided in mine.
18. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the

- mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
19. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 10500 trees shall be planted on barrier zone, backfilled area, and in village (5000 No of trees) also.
 20. Transportation of material shall be done in covered vehicles.
 21. Transportation of minerals shall not be carried out through forest area.
 22. The OB shall be reutilized for maintenance of road and for back filling. PP shall bound to compliance the final closure plan as approved by the IBM.
 23. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 412 X 1.00 X 1.00 and 464.00 X 1.00 X 1.00,. The settling tank will be 04 in number of size 720 m² X 5mD, 690 m² X 5mD, 525 m² X 5mD, 11142 m² X 5mD, 0. 52ha X5MD.
 24. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development. Regular de-silting of drains and pits should be carried out.
 25. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
 26. The existing and proposed land use plan of the mine is as follows:

Items	Existing	SOM Period	Conceptual Period
Total lease area			
Ultimate depth of mining	5m	16m bgl	16m bgl
Ultimate pit slope	45degree	45degree	45degree
Area under dumps	2.91ha	0.8542ha	1.4330ha
Area under pits	0.6350ha	1.1150ha	2.2070ha
Infrastructure & Road	Nil	0.2880ha	0.2880ha
Mineral storage	Nil	Nil	Nil
Plantation	0.001ha	1.500ha	2.00ha
Un-worked area	6.37ha	6.1578ha	3.987ha

Total	9.915ha	9.915ha	9.915ha
Water body (Settling tank)			
Area to be reclaimed	Nil	0.50ha	0.7480ha
Plantation			
Un-worked area	0.001ha (15No.)	1.50ha (3000No.)	2.00ha (4000No.)
Backfilled area	Nil	0.50ha (1000 No.)	0.7480ha (1500No.)
Bench area	Nil	Nil	Nil
Total area for plantation	Nil	2.00ha (4000no.)	2.7480ha (5500no.)

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. 35.54 Lakh is proposed and Rs. 9.39 Lakh /year as recurring expenses.
33. Under CER following physical target based activities based on public hearing has proposed by PP :

Proposed CER Activities in <u>Village Miragpur</u>		
SN	Plan	Activity
	Public hearing issue	
1	Maintenance of Road	Maintenance of transport route @1km length - (2.00Lakh)
2	Provision of two hand pumps in village Mi	Two hand pumps shall be commissioned as soon as mine will be operative. (Rs 2.00lakh)

3	Provision of sport facility and infrastructure facility at School	Provision of one computer with printer & sport facility i.e. 2 slides, other play tools and 20 chairs, (Rs Rs 2.00 Lacs)
4	Deeping of village pond and provision of plantation for villager	Deeping of village pond 2 No. – (1.00 lakh) Provision of Plantation for 5000 in number with Kathal, Katang bass Munga, Sitafal Neem, Achar, Sitafal, Jamun and other local species etc.
5	Free Medical camp	Twice in year for village Miragpur (Rs 1 Lacs)
6	Fund at Kanha Tiger Resrve	Towards Tiger adaption and associate programme (Rs 2 Lacs)
	Total Budget	10 .00 lakh

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 8755/2021 M/s. JRR Waste Management Pvt. Ltd, Block No. S-21, Shop No. 4, Sanjay Place, Dist. Agra, UP - 282002 Prior Environment Clearance for Proposed Common Waste Treatment Facility (CBWTF) at Plot No. GAA-22 & GAA 23, Approx 4500.0 SQMT. area of land Being i.e. Approx 48437.595 Sq ft MIDC, Malanpur, Ghirongi, Dist. Bhind (MP). Env. Consultant: M/s. Vision TechConsul. Pvt. Bhuvneshwar.

This is case of Prior Environment Clearance for Proposed Common Waste Treatment Facility (CBWTF) at Plot No. GAA-22 & GAA 23, MIDC, Malanpur, Ghirongi, Dist. Bhind (MP). The proposed project is for setting up of common bio-medical waste treatment facility and project falls under Category “B” Projects of activity 7(da) as per EIA Notification dated 14th September, 2006 and its subsequent amendments dated 17th April 2015, under Bio- Medical Waste Treatment Facilities. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

Earlier this case was scheduled for presentation and discussion in 527^h SEAC dated 12/11/2021 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

This is case of Prior Environment Clearance for Proposed Common Waste Treatment Facility (CBWTF) at Plot No. GAA-22 & GAA 23, MIDC, Malanpur, Ghirongi, Dist. Bhind (MP). The proposed project is for setting up of common bio-medical waste treatment facility and project falls under Category “B” Projects of activity 7(da) as per EIA Notification dated 14th September, 2006 and its subsequent amendments dated 17th April 2015, under Bio- Medical Waste Treatment Facilities. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

The EIA was presented by Env. Consultant Mr. P. Kumar Ranjan, M/s VisionTek Consultancy Pvt. Ltd and PP Shri Jitendra Sharma wherein following submission made:

- The on-line TOR has already been granted by MoEF&CC vide dated 28.10.2021.
- M/s JRR Waste Management Pvt Ltd proposes to operate CBWT facility at Plot No GAA22 & 23 at , MPIDC Malanpur -Ghrongi Industrial Area (M.P.) having static incinerator of 250 Kg per hr
- M/s JRR Waste Management Pvt Ltd already engaged in Transportation of BMW at Morena & Bhind District since last more than 15 years as per Biomedical Waste Management Rules 2016. (Formerly Known as M/s Dutt Enterprises Pvt. Ltd) Hence the proponent has quite good knowledge about handling, transportation of biomedical waste of the same sector.
- A Common Bio-medical Waste Treatment Facility (CBWTF) is a set up where bio-medical waste, generated from a number of healthcare units, is suitably treated to reduce adverse effects that this waste may pose. The treated waste may finally be sent for disposal in a TSDF.
- Proposed project of setting up of the Common Bio-medical Waste Treatment Facility for treatment of 250 kg per hour static kiln based bio medical incineration project, includes Incinerator, Autoclave, Shredder, Storage and Effluent Treatment Facility.
- Gwalior district consists of Gwalior, Lashkar , Morar, Dabra, Datia, Sheopur, shivpuri , Dabra, Tansen .Bhitarwar Chinore, Ghatogaon, City Center, Sevda, Badoni, Bhandar, Indergarh, Basai , Dabra-Pichore, Suklahari, Barai, Panihar, Ghatigaon, Mohana ,Bhitarwar, Kariyawati , Sheopur-Vijaypur, Karhal, Veerpur, Baroda Bhind- Mehgaon, Lahar, Ater, Gormi, Roan, Moh, Meona , Gohad, Malanpur Murena-Murena City & Rural , Bamore, Poursa, Ambah, Joura, Kailaras, Sabalgarh, Shivpuri-Narwar, Cacato, Kolaras,Pichore,Pourai, Beraad, Khaniyadhana.

- M/s JRR Waste Management Pvt Ltd has resolved to build a Common Biomedical waste Treatment and Disposal Facility in Malanpur. The proposed facility shall be for the 10,000 beds/day and have a capacity of management of 250 kg/hr. whereas eight hours have been proposed to be scheduled.
- M/s JRR Waste Management Pvt Ltd is here for grant of additional TOR to be prescribed by committee as on-line Standard TOR has already been granted by MoEF&CC vides dated 28.10.2021 and they have collected the baseline data as per MoEF&CC OM dated 29/08/17.
- As per the guideline, A CBWTF located within the respective State/UT shall be allowed to cater healthcare units situated at a radial distance of 75 KM. However, in a coverage area where 10,000 beds are not available within a radial distance of 75 KM, existing CBWTF in the locality (located within the respective State/UT) may be allowed to cater the healthcare units situated up to 150 KM radius w.r.to its location provided the Bio-Medical waste generated is collected, treated and disposed of within 48 hours as Stipulated under the BMWM Rules.
- The EC is granted for specific site and suitability of site depends on the outcome of the EIA study and CPCB guideline also does not restrict the granting of TOR. It solely depends on the appraisal and decision of SEIAA to whom EC shall be granted depending upon the bad capacity and experience & expertise in handling of Bio-medical waste. It may kindly be noted that M/s Ramkey Enviro has issued environmental clearance way back in the year 2018-19 for 02 other site in MP till date they have not established any facility on site. PP submitted that they (M/s JRR Waste Management Pvt Ltd) already engaged in Transportation of BMW at Morena & Bhind District since last more than 15 years (has valid CTO form MP Pollution Control Board since 2006 which is renewed on dated 02/09/20 & valid till 31/08/23) as per Biomedical Waste Management Rules 2016 having experience on Collection, Handling, Transportation of biomedical waste in MP and incinerating the same at their facility at Agra, UP and now proposing to establish a facility in Malanpur, Ghirongi, Dist. Bhind (MP). PP also informed that they are here for any additional TOR to be prescribed by committee as on-line Standard TOR has already been granted by MoEF&CC vides dated 28.10.2021 and they have collected the data in the last summer season as per MoEF&CC OM dated 29/08/17 and showed various locations selected for monitoring with collected data. Committee asked whether VOC is monitored or

not for which PP submitted that VOC is monitored and displayed the baseline data collected for various parameters.

- PP submitted that they have got LOI from MPIDC for additional adjacent land (of plot no. 23 GAA) in Malanpur Industrial Area at plot no.22 GAA Approx 4500.0 SQMT at Malanpur-Ghirongi, District Bhind (Madhya Pradesh).
- PP further submitted that the facility will be developed on both plots 22 GAA and 23GAA and updated copy of form-1, PFR and project report is attached with presentation. PP also informed that as per section 5.2 of CPCB guidelines they have also obtained CTE from the MP Pollution Control Board and attaching the copy of CTE with presentation. PP submitted that they are proposing gas/cng based boiler for this project as a clean fuel. During appraisal through Google image it was observed by the committee that some trees are in existence in the project site for which PP submitted that these are shrubs which have naturally grown on site

Salient Features of the Project:

Site Address	Plot No GAA 22&23 MPIDC Malanpur-Ghirogi –Dist Bhind (MP)			
Proposed project	Bio Medical Waste Treatment Facility with the following :			
	Sl. No	Equipment	Number	Installed Capacity
	1	Fixed Hearth Kiln	1Nos.	250 kg/hr.
	2	Autoclave	1+1Nos.	850 lit per Batch
	3	Shredder	1+1Nos.	200kg/hr.
	4	Effluent Treatment Plant	1Nos.	14 KLD
Area	4500 + 3600 Sq mtrs (8100 Sq mtrs) = 2.001 acres			
Project capacity	250 kg/Hr.			
Geographic Location	78.1609 E and 26.2048 N			
Operation days	6 days in a week			
Fresh water Requirement	12 Kld			
Waste Water Generation	9.5			

Source of water	MPIDC
Electricity Load and Source	90 KVA and Madhya Pradesh State Electricity Distribution Board
DG	82 KVA
Effluent treatment System	14 KLD
Man-power	30-40
Total project cost	2.5 Cr
Total Capital Cost for environmental measure	Rs 46.50 Lacs
Total Recurring Cost for environmental measure	Rs 13.35 Lacs
Land acquired	2.01 Acres
Land required for proposed plant	1242 sq mtrs. (Covered Area)
Proposed area for plantation	3000 sq mtrs

Land Use of the Site

S.N o	Type	Sq m	%
1	Total Plot Area	8100. 00	100
2	Total Built-up & Covered Area (office & shade)	1242.00	15.33
3	Green Belt Area	3000.00	37.04
4	Balance Open Area	3858. 00	47.63

Water Balance for proposed project

Usage	Qty of water, KLD	Effluent generation, KLD	Treatment
Domestic requirement	1.7	1.6	ETP
Floor Washing	1.7	1.6	ETP

Quencher and Scrubber	2.4	2.2	ETP
Autoclave	2.1	2.0	ETP
Vehicle Cleaning	2.1	2.0	ETP
Landscaping	2.0	0	--
Total Water Required			12 KLD
Process Loss			2.4 KLD
Total Effluent generated			9.4 KLD
ETP Proposed			14 KLD

Waste Management

Solid wastes shall be generated in the form of Incineration ash from Incinerator, ETP sludge from ETP process and used oil from the plant utility. Following steps shall be taken;

- Incineration ash from incinerator will be disposed to the nearest authorized TSDF site.
- Incineration ash and ETP sludge will be sent to authorized TSDF site
- Used oil will be properly stored and it will be re-used as lubricants in the machineries within the premises only.
- Record of solid waste generation and disposal shall be maintained.
- All Necessary precaution shall be taken during handling, loading and unloading of solid waste.

Sr No	Name Of The Waste	Approximate Quantity (Tonnes/Year)	Waste Generating Point	Mode Of Handling & Transport
1.	Used oil	50 Lit/Yr.	From DG Sets, Pumps, etc	Sale to authroised vendors.
2.	Incineration Ash	70-80 MT/Year	Incineration of Biomedical Waste	Authorized TSDF
3.	ETP Sludge	3-4 MT/Year	Effluent treatment plant	Authorized TSDF

Gap and Root Description:

The project is proposed in the dist of Bhind under Chambal Regional. No CBWTF facility is in operational in the district. Only CBWTF unit having capacity of 100 Kg

per hr is located in the village Anatari Tehsil Chinore dist Gwalior (MP) which is 40 km from the proposed site.

The bio medical waste is generated at about 1646 Kg per day from Shyopur, Morena, Gwalior, Bhind and Shivpuri. Hence the existing facility is not adequate to treat the waste. Therefore the CBWTF located at Agra is collecting waste from Bhind and Morena and being treated in other state

Location	Detail of Health Care Facility (HCF)	Total number of Beds	Estimated waste quantity in kg/day
Around 75 KM around Malanpur Dist Bhind	HCF-616	8414	458 KG

During presentation PP submitted that SEIAA has asked them to obtain NOC from the Civil Aviation Department for which they have submitted their response vide letter dated 21/01/22 to SEIAA. It was informed to the committee that SEIAA vide letter no. 2971 dated 31/01/22 has forwarded the reply submitted by PP to SEAC for n.a. For this PP submitted that NOC of civil aviation department is not required as this is not a high rise building project and also as per PCB guidelines there is no mentioning that PP has to obtain such permission. PP further submitted that even though they have tried to contact AAI, Gwalior but AAI, Gwalior has refused to give such NOC. Committee recommends that the response submitted by PP shall be appraised by SEIAA on this issue.

During discussion it was also deliberated by members that number of complaints has been received for this kind of projects and also two facilities are under consideration for EC in this area adjacent to each other. SEIAA also vide letter No. 2871 dated 17/01/22 has also sent a letter issued by CPCB in this regards. For complaints being made, PP submitted that one more PP (M/s VNS Solutions) has made an application for establishing similar kind of facility nearby in the same industrial area. After presentation and discussion PP was asked to submit following revised details:

- 1) Details on control measures proposed for odour pollution.
- 2) Detailed gap analysis through data authentication from Government agency considering all proposed and operational facilities and justification for establishment of another CBWTF within 75 kms radius.
- 3) Carbon foot print details of the proposed unit.
- 4) Revised CER programme with budgetary provision
- 5) Details on gaseous emission and standard limits with monitoring system

4. Case No 8919/2022 M/s Yash Logistic Private Limited, 'Yash Tower', Pathak Ward, Dist. Katni, MP - 483501 Prior Environment Clearance for Bauxite Quarry in an area of 20.151 ha. (Bauxite - 9781 Tonne per annum (Khasra No. 156, 159, 160, 161, 162/1, 162/2, 163, 164/1, 164/2, 164/3, 164/4, 165, 166, 167, 168, 169/1, 170, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 186, 187, 189, 234/1, 234/2, 235, 236, 237, 239, 240, 241, 242, 243, 244, 245, 248, 372, 249), Village - Baghrela Saani, Tehsil - Bajag, Dist. Dindori (MP) . M/s. Creative Enviro Services, Bhopal.

This is case of Bauxite Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 156, 159, 160, 161, 162/1, 162/2, 163, 164/1, 164/2, 164/3, 164/4, 165, 166, 167, 168, 169/1, 170, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 186, 187, 189, 234/1, 234/2, 235, 236, 237, 239, 240, 241, 242, 243, 244, 245, 248, 372, 249), Village - Baghrela Saani, Tehsil - Bajag, Dist. Dindori (MP) 20.151 Ha. The project requires prior EC before commencement of any activity at site.

The EIA was presented by Env. Consultant Shri Umesh Mishra from M/s. Creative Enviro Services, Bhopal and their representatives on behalf of PP. 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. 577 dated 22/12/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

PP further submitted that since it is a Bauxite mine hence, no drilling & blasting is proposed, mining shall be done through Opencast Semi Mechanized Method. Being it's a case of Bauxite mine with total area of 20.151 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 5ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Inventory of all existing trees in Government & Private land with their name, 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. natural drain/river which is 490 meters in the NE and water pond: 80 meters.
- Land acquisition status shall be discussed in the EIA report.

- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled “Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”, and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route properly marked on the Google map and address strength of the road bridge (if any) 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.

5. Case No 8930/2022 M/s Madhya Pradesh Minerals Supply Company, Ward No. 8, P.O. Jaitwara, Dist. Satna, MP - 485221 Prior Environment Clearance for Bauxite Mine in an area of 16.18 ha. (Bauxite - 40010 Tonne per annum, Overburden - 1750 cum per annum) (Khasra No. 50(P)), Village - Salaiya, Tehsil - Semariya, Dist. Rewa (MP) .M/s. Creative Enviro Services, Bhopal.

This is case of Bauxite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 50(P)), Village - Salaiya, Tehsil - Semariya, Dist. Rewa (MP) 16.18 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Env. Consultant Shri Umesh Mishra from M/s. Creative Enviro Services , Bhopal and their representatives on behalf of PP.

PP further submitted that since it is a Bauxite mine hence, no drilling & blasting is proposed, mining shall be done through Opencast Semi Mechanized Method. Being it's a case of Bauxite mine with total area of 16.18 ha. including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Inventory of all existing trees in Government & Private land with their name, 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. natural drain/river which is 490 meters in the NE and water pond: 80 meters.
- Land acquisition status shall be discussed in the EIA report.
- Protection plan w.r.t. some hutments within lease & their status.
- Clarify does any R&R involve.
- 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 properly marked on the Google map and address strength of the road bridge (if any) is to be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA report.

6. Case No 8953/2022 M/s Enviro Clean Solutions, Shri Aditya Singh Mandloi, ANS - 6, Sethi Nagar, Dist. Ujjain. MP Prior Environment Clearance for Common Bio Medical Waste Treatment Facility for Treatment of 100 kg per hour static kiln based bio medical incineration project at Plot No. 85 P&H, Lahagdua Industrial Area, Tehsil & Dist. Chhindwara, (MP). Capacity - Static Fixed Hearth Kiln 01 No. - 100 kg per hr, Autoclave 01 No. - 500 lit/cycle. Shredder 01 No. - 100 kg per hour. Effluent Treatment Plant 01 No. - 5 KLD. Cat. – 7(da) Common Bio-Medical Waste Treatment Facility. Env. Consult.:M/s. Creative Enviro Services, Bhopal.

The proposed project is for setting up of common bio-medical waste treatment facility and project falls under Category “B” Projects of activity 7(da) as per EIA Notification dated 14th September, 2006 and its subsequent amendments. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

This is case of Prior Environment Clearance for Common Bio Medical Waste Treatment Facility for treatment of 100 kg per hour static kiln based bio medical incineration project at Plot No. 85 P&H, Lahagdua Industrial Area, Tehsil & Dist. Chhindwara (M.P.) Capacity - Static Fixed Hearth Kiln 01 No. - 100 kg per hr, Autoclave 01 No. - 500 lit/cycle. Shredder 01 No. - 100 kg per hour. Effluent Treatment

Plant 01 No. - 5 KLD. The case was presented by Env. Consultant Shri Umesh Mishra from M/s. Creative Enviro Services, Bhopal and their representatives on behalf of PP. wherein PP submitted that the proposed unit will be established in the notified industrial area at Lahagdua Industrial Area, Tehsil & Dist. Chhindwara, (MP).

Committee after deliberations committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TORs as per conditions mentioned in Annexure-D:-

1. PP shall carry out comprehensive gap analysis through data authentication from Government agency and justify their proposal for establishment of another CBWTF within 75 kms radius.
 2. Data collection of EIA should be done under the intimation to the M.P. Pollution Control Board, Bhopal for coming winter season.
 3. Justify in EIA report considering habitation near to the project site (on the SE side) that the proposed technology is “Best Available Technology” of CBWTF and also how unit will remain zero discharge.
 4. Maximum storage time of Bio-medical waste within the facility and disposal plan of autoclaved material should be discussed in the EIA report.
 5. Monitoring of VOC should be added in the proposed monitoring protocol of EIA study.
 6. Justify in EIA report, how unit will remain zero discharge.
 7. PP shall obtain CTE from the MP Pollution Control Board and same shall be appended with EIA report.
 8. Proposal for GPS enable vehicles and their route maps shall be discussed in the EIA report.
 9. Elaborate handling and disposal of hazardous waste and possible spillage avoidance in the EIA report.
 10. Ash storage and sharp pit design criteria shall be discussed in the EIA report.
7. **Case No. - 8536/2021 M/s Speciality Organics Pvt. Ltd, 49-B, Sector-B, Industrial Area, Mandideep, Dist. Raisen, MP - 462046, Prior Environment Clearance for Manufacturing of Pesticides and Synthetic Organic Chemicals at Plot No. 837 to 842, Sector-3, Bagdoon, Industrial Area, Pithampur, Dist. - Dhar (MP) Capacity – Key Starting Material for Intermediates of APIs – 145, Intermediates for APIs – 200, Biocide – 250, Agrochemicals – 200, Total Production Quantity per month 795 MT/Month, Total 9540 MT/Annum. Cat.-5(b) Pesticides industry and pesticide specific intermediates (excluding formulations).**

5(f) Synthetic organic chemicals industry (bulk drug). ToR. Env.Con.–Creative Enviro Services, Bhopal- Amendment TOR.

This is a case Prior Environment Clearance for Manufacturing of Pesticides and Synthetic Organic Chemicals at Plot No. 837 to 842, Sector-3, Bagdoon, Industrial Area, Pithampur, Dist. - Dhar (MP) , Capacity – 8940 MT/Annum. Cat. 5(b) & 5(f).

The case was presented by the PP and their consultant in the 499th SEAC meeting dated 07-04-2021, wherein PP submitted that it's an existing plant in industrial area. Following details were submitted by the PP during presentation:

The Speciality Organics Pvt Ltd (SOPL) is already manufacturing synthetic organic chemicals & agrochemicals with EC no. 2633/SEIAA/2019 dated 13.03.2019 Plot No 837 to 842, Sector – 3, Pithampur Industrial Area, Bagdoon, Pithampur, (M.P). Now the company is proposing to put up the expansion project to manufacture Pesticides and Synthetic Organic Chemicals with capacity of 8940 MT/Annum. Plot No 837 to 842, Sector – 3, Pithampur Industrial Area, Bagdoon, Pithampur, (M.P). Total Land Area - The total plot area is 23819 Sq. Mt.

Project Components –

Group No.	Product Details	Proposed Quantity
I	Key Starting Material for Intermediates of APIs	145
II	Intermediates for APIs	150
III	Biocide	250
IV	Agrochemicals	200
	Total Production Quantity per Month	745 MT/Month
	Total Production Quantity per Annum	8940 MT/Annum

After presentation, committee decided to recommend standard TOR prescribed by MoEF&CC with following additional TOR and as per Annexure-D, accordingly TOR recommended in 499th SEAC meeting dated 07-04-21.

1. Percentage of solvent recovery shall be >95 % and same shall be discussed with methodology in the EIA report.
2. Worst case scenario w.r.t. waste water and hazardous waste should be worked out and discussed in the EIA report.
3. All MSDS should be provided with the EIA report.

4. Detailed green belt plan shall be submitted with the EIA report.

Further, PP has applied for amendment in TOR the case send online to SEAC on dated 13-01-22 by SEIAA.

The case for scheduled for presentation for amendment in TOR wherein the case was presented by Env. Consultant Shri Umesh Mishra from M/s. Creative Enviro Services, Bhopal and their representatives on behalf of PP. PP submitted that earlier TOR was recommended in 499th SEAC meeting dated 07-04-21 and now PP is proposing increase in the quantity of intermediates for APIs from 150 MT/ annum to 200 MT/ annum and other details will remain unchanged. The total land is 23819 square meter and details are as follows:

Product Details	Proposed Quantity
Key Starting Material for Intermediates of APIs	145
Intermediates for APIs	200
Biocide	250
Agrochemicals	200
Total Production Quantity per month	795 MT/Month
Total Production Quantity per Annum	9540 MT/Annum

The after deliberation it was observed that this propose unit is expansion project for manufacture Pesticides and Synthetic Organic Chemicals with capacity of 9540 MT/Annum. Hence, committee after deliberations recommends that PP shall propose separate lay-out of both the units in the EIA and no common utility shall be proposed for APIs and Biocides in the EIA report.

After presentation, committee decided to recommend amendment in TOR for enhanced production capacity for APIs from 150 MT/ annum to 200 MT/ annum and other details and TOR conditions will remain the same as recommended in 499th SEAC meeting dated 07-04-21 with following additional TOR:

- Being both the APIs and Biocides are proposed in the project, PP shall submit separate lay-out plan of both the different units in the EIA and no common utility shall be proposed for APIs and Biocides in the EIA report with comprehensive safety measures.

8. Case No 8924/2022 Smt. Maya Dixit D/o Shri Ramswaroop Dwivedi, R/o Shubhas Nagar Bazar, Dist. Hameerpur, UP Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (150000 Cum per annum) (Khasra No. 133(P)), Village - Saila, Tehsil - Maharajpur, Dist. Chhatarpur (MP) Env. Consultant Geogreen Enviro House (P) Ltd.,

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 133(P)), Village - Saila, Tehsil - Maharajpur, Dist. Chhatarpur (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Consultant Shree Vijay Kumar Mishra 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 letter No. 6069 dated 08/10/21 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 12.0 ha., including this mine.

Being it's a case Stone Quarry with total area of 12.0 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:-

- 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 which is adjacent to the lease.
- Soil profile study in the barrier zone.
- 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 properly marked on the Google map and address strength of the road bridge (if any) is to be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA report.

9. Case No 8927/2021 M/s. Khatu Shyam Ji Minerals, Prop., Shri Vikesh Sharma, Daang Road, Rithi, Dist. Katni, MP - 483990 Prior Environment Clearance for Flag Stone Quarry in an area of 1.80 ha. (2082 Cum per annum) (Khasra No. 1278/1 Part, 1279 Part), Village - Dang, Tehsil - Rithi, Dist. Katni (MP)

This is case of Flag Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1278/1 Part, 1279 Part), Village - Dang, Tehsil - Rithi, Dist. Katni (MP) 1.80 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by 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. 5503 dated 12/11/21 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. It was observed that the lease area is excavated PP submitted that it is very old pit and they have got this lease in such condition also this pit has shown in the Mining plan. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Human settlement	235	SW	Three rows of plantation.
Water body	66	NW	Provision of Garland drain & settling tanks.

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e EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Flag Stone 2082 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.14.30 Lakh as capital and Rs. 05.33 Lakh/year.
3. As proposed, a minimum of 2160 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

Sr., No	Description	Cost to be Incurred	Affected village
1.	Stainless Steel Plain and Cold Water Cooler with 50 LPH commercial RO water purifier (2 set) .	70,000.00	Village- 1 set each Middle School of Dang & Tigharakhurda
2.	5 no. Black Board, 5pc carom board, 1volleyball set (as per school demand) Study tour .	20,000.00	Village Dang
3.	Awareness camp Covid-19 and health awareness programme, Traffic Rule. Advance Agriculture practice.	20,000.00	Village- Dang
	Total	110000.00	

10. Case No 8928/2021 Shri Akash Tiwari S/o Shri Anil Tiwari, 73, Village - Kuthar, Tehsil - Huzur, Dist. Bhopal, MP - 462031 Prior Environment Clearance for Stone Quarry in an area of 1.50 ha. (7056 Cum per annum) (Khasra No. 428), Village - Chanderi, Tehsil - Huzur, Dist. Bhopal (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 428), Village - Chanderi, Tehsil - Huzur, Dist. Bhopal (MP) 1.50 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Consultant Shri 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. 2752 dated 15/09/21 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, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Road	120	NW	Three rows of Plantation towards road side.
Human settlement	480	NE	Three rows of plantation.

After presentation the committee asked to submit following details:

- Revised production plan and setback in the west side .
- Revised Plantation scheme as suggested by committee.
- Revised EMP as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 10.11.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 7056 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.9.75 Lakh as capital and Rs. 03.19 Lakh/year.

3. As proposed, a minimum of 1800 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

	FOR SOCIAL WELFARE (Please provide physical targets only)	
S. No.	Activity	Cost
1.	Furniture's (5 wooden chairs and 10 benches) and whitewash in Government Secondary School of Chanderi village	60,000
2.	50 Shady trees (Kadamb, Kachnar, Karanj, Arjun, Bahunia etc.) will be planted along the boundary wall of Government Secondary School of Chanderi village	5,000
TOTAL		65,000/-

11. Case No 8932/2022 Shri Anupam Kumar Chaturvedi S/o Shri Harihar Prasad Chaturvedi, Ward No. 05, Chandia, Dist. Umaria, MP - 484660 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (34414 cum per annum) (Khasra No. 134/2, 135/2, 136/2, 144, 151), Village - Majhauri, Tehsil - Chandiya, Dist. Umaria (MP) RQP Shri Ram Milan Pathak, Bhopal

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 134/2, 135/2, 136/2, 144, 151), Village - Majhauri, Tehsil - Chandiya, Dist. Umaria (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Ram Milan Pathak, Bhopal 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 letter No. 2102 dated 11/10/21 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.0 ha., including this mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Human settlement	210	SE	Three rows of Plantation towards road side.
Kachcha Road	139	South	Three rows of Plantation towards road side.
Stop dam	180 & 160	E&N	Provision of Garland drain & settling tanks.

During presentation it was also observed in the DFO certificate vide no. 3621, dated 13.10.2021 mentioned that the lease boundary is located 1800 meters from ESZ of Bandhavgarh National Park whereas extent mentioned the notified ESZ vide S.O. 4027 (E), December 14, 2016 is upto 2KM. PP during presentation argued that the distance mentioned in the DFO certificate is from ESZ for which committee asked PP to obtain clarification from the competent authority and submit the same through SEIAA. After deliberations, committee recommends that being mining activities are prohibited in ESZ as per the notification, this case at this stage cannot be considered for grant of EC and case file may be sent to SEIAA for necessary action.

12. Case No 8933/2022 M/s Bansal Minerals, Prop., Smt. Shweta Agrawal, Ward No. 08, Shanti Marg, Dist. Umaria, MP - 484660 Prior Environment Clearance for Stone Quarry in an area of 2.90 ha. (40000 cum per annum) (Khasra No. 85/4 (Part)), Village - Amuwari, Tehsil - Bandhavgarh, Dist. Umaria (MP) RQP Shri Ram Milan Pathak, Bhopal

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 85/4 (Part)), Village - Amuwari, Tehsil - Bandhavgarh, Dist. Umaria (MP) 2.90 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Ram Milan Pathak, Bhopal 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 letter No. 2107 dated 11/10/21 has reported that there are 01 more mines operating or proposed within 500 meters around

the said mine with total area of 4.90 ha., including this mine. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	430	South	Three rows of Plantation towards road side.
Natural Drain	55	SW	Provision of Garland drain & settling tanks.
02 Trees	Within lease	North	Tree management plan

After presentation the committee asked to submit following details:

- Revised Plantation scheme as suggested by committee.
- PP commitment that no trees, plants / shrubs will be uprooted existed within lease area.
- Revised CER- Propose proposal of supplemental nutritional food will be distributed in the Anganwadi of local village as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 09.02.2022, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 40,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.20.59 Lakh as capital and Rs. 06.07 Lakh/year.
3. As proposed, a minimum of 3500 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

S.No.	Activity	Cost
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1.	800 Fruit Bearing Plants (@50/-) (Aonla, Mango, Munga, Kathal, Imli, Guava, Papaya, Lemon, Harra, Bahera, Jamun) will be distribute in one year in village Amuwari. (This activity will be done under the "Ankur Yojana" of the Government of Madhya Pradesh.	= 800 x 50 = 40,000 /-
2.	We will adopt Anganwadi of village Amuwari for one year and will bear its expenses.	1,00,000/-
3.	Supplemental nutritional food will be distributed in the Anganwadi of village Amuwari.	60,000/-
TOTAL		2,00,000/-

13. Case No 8937/2022 M/s Saraswati Minerals and Crushing, Prop., Shri Jai Prakash Shivdasani, Pendra Road, Tehsil Pendra Road, District - Gurela Pendra Marwahi, CG - 495117 Prior Environment Clearance for Stone Quarry in an area of 1.80 ha. (40000 cum per annum) (Khasra No. 684/1 (Part)), Village - Pamra, Tehsil - Pushprajgarh, Dist. Anuppur (MP) RQP Shri Ram Milan Pathak, Bhopal

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 684/1 (Part)), Village - Pamra, Tehsil - Pushprajgarh, Dist. Anuppur (MP) 1.80 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Ram Milan Pathak, Bhopal 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. 1160 dated 08/09/21 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 4.80 ha., including this mine. PP submitted that no blasting shall be carried out only rock broker shall be used as per mining plan. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
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Kachha Road	316	South-West	Three rows of Plantation towards road side.
Pucca Road	>100	South-East	Three rows of Plantation towards road side.

During presentation it was observed that as per DFO letter vide no. 1453 dated 04.02.2021 it has mentioned that the Village - Pamra, is included in the Amarkantak-Achanakmar BR area of 97 villages list but mine site is mentioned as No.,1 thus committee decided that SEIAA shall be look after the matter in this above context and take suitable decision and SEAC has appraised the case wrt environmental sensitivities. After presentation the committee asked to submit following details:

- Revised Plantation scheme as suggested by committee.
- Revised CER as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 09.02.2022, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A' if SEIAA finds that the case does not falls under the Amarkantak-Achanakmar BR area as reported by DFO vide letter no. 1453 dated 04.02.2021:

1. Production shall be as per mine plan with quantity not exceeding for Stone 40,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 9.05 Lakh as capital and Rs. 04.2 Lakh/year.
3. As proposed, a minimum of 2200 trees shall be planted as per the submitted plantation scheme .
4. Under CER following activities were submitted by PP:

S.No.	Activity	Cost
1.	Up gradation of school building at village Pamra.	40,000/-
2.	500 Fruit Bearing Plants (@50/-) (Aonla, Mango, Munga, Kathal, Imli, Guava, Papaya, Lemon, Harra, Bahera, Jamun) will be distribute in one year in village Pamra. (This activity will be done under the "Ankur Yojana" of the Government of Madhya Pradesh.	= 500 x 50 = 25,000 /-

3.	Every year two awareness cum medical camp will be organised in grampanchayat Pamra for general medical examination of villagers specifically for Malaria diabetes, blood pressure & during this camp awareness will also be made for oral hygiene.	35,000/-
Total		1,00,000/-

14. Case No 8942/2022 Shri Bimal Dangi, Owner, R/o Village - Mukhtyara, Tehsil - Barwaha, Dist. Khargone, MP - 451115 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (10000 cum per annum) (Khasra No. 45 Peki), Village - Mukhtyara, Tehsil - Barwaha, Dist. Khargone (MP) RQP Nikita Prajapati, Bhopal

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 45 Peki), Village - Mukhtyara, Tehsil - Barwaha, Dist. Khargone (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Nikita Prajapati 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. 5643 dated 04/01/22 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachha Road	35 & 248	East & West	Wrt to kachha road PP submitted that 15m set back has provided.
Natural Drain	85	NW	Provision of Garland drain & settling tanks.
Sheds /Solar panels	>500	SE	Three rows of plantation.

The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC

subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 10,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.7.86 Lakh as capital and Rs. 03.10 Lakh/year.
3. As proposed, a minimum of 1200 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

<u>For Social Welfare</u>		
	Distribution of 350 fruits bearing & fodder trees like amla, Orange, Kathal, Sitafal, Munga, Papaya and Mango etc to villagers for planting.	17,500/-
	Distribution of Masks (1400nos for 330household & ~1300 population) and Sanitizers (300nos) to villagers of Mukhtyara due to Covid-19.	16,000/-
	Total	33,500/-

15. Case No 8936/2022 M/s Mehandipur Balaji Mines & Minerals, Partner, Shri Manish Singh, Flat No. 514, Prakrit Eden, Shahpura Thana Road, Babadiyakalan, Dist. Bhopal - 462016 Prior Environment Clearance for Stone Quarry in an area of 3.650 ha. (125000 cum per annum) (Khasra No. 713, 714, 715, 716, 723, 724, 725), Village - Badagar, Tehsil - Gohad, Dist. Bhind (MP) RQP Nikita Prajapati, Bhopal

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 713, 714, 715, 716, 723, 724, 725), Village - Badagar, Tehsil - Gohad, Dist. Bhind (MP) 3.650 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Nikita Prajapati 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. 4723 dated 30/12/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine. During presentation as per Google image based on

coordinates provided by PP, it was observed that old pit is existed, PP submitted that the excavated pit in the SE side of lease area is in existence before obtained the principally sanction approval letter i.e on dated 21-09-2021 and same was mentioned in the surface map. 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	160	West	Three rows of plantation.
Pucca Road	310	East	Provision of three rows plantation.
Human settlement	233	SE	Tree rows of plantation.

After presentation the committee asked to submit following details:

- Clarifications wrt the excavated pit in the SE side of mine lease area.
- Revised CER- as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 09.02.2022, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 1,25,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.15.62 Lakh as capital and Rs. 09.25 Lakh/year.
3. Evacuation of minerals shall be done through 40 T capacity trucks to reduce the number of trips.
4. Overhead Sprinklers shall be provided for dust suppression within the mine lease area and regular water sprinkling shall be carried out on the mineral evacuation rode.
5. As proposed, a minimum of 4380 trees shall be planted as per the submitted plantation scheme .
6. Under CER following activities were submitted by PP:

	FOR SOCIAL WELFARE	
S. No.	Activity	Cost
1.	Adopting the Aanganwadi kendra of village Badagar for Poshan ahaar and up gradation of the same aanganwadi kendra (upto 1 year).	1,80,000/-

DISCUSSION ON QUERY REPLY SUBMITTED BY PP

16. Case No 7321/2020 M/s Jai Mahakal Associates, Prop. Shri Vijay Goswami, 25, Dhanah Colony, Maharani Laxmi Bai Ward, Dist. Seoni, MP - 480661 Prior Environment Clearance for Sand Quarry in an area of 21.00 ha. (99,900 Cum per annum) (Khasra No. 671, 01, 507), Village - Sakri, Khursipar, Ardiya, Tehsil - Kevlari, Dist. Seoni (MP). EIA Consultant: M/s. Creative Enviro Services , Bhopal.

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 671, 01, 507), Village - Sakri, Khursipar, Ardiya, Tehsil - Kevlari, Dist. Seoni (MP) 21.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 114 dated 22/5/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 447th SEAC dated 22/07/2020 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

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 Umesh Mishra from M/s. Creative Enviro Services , Bhopal and their representatives on behalf of PP ,wherein PP stated that this is a case of river sand mining on Hirri River which is a tributary of Wainganga River. PP submitted that quarrying will be carried out by manual method and will be

transported to the dump (outside the lease area) by trolleys, and further stored sand at the dump will be transported by truck/dumper to the destination. The depth of the mining will not exceed 1 M. The following lease details were submitted by the PP:

- It is proposed to excavate the sand by Manual Method opencast method with pit pattern. It is proposed to start production from upper side of river where stream water is not found. The proposed height of working pit will be 1.0m.
 - Dry pit channel are proposed to be excavated within the active channel on dry intermittent or ephemeral stream beds.
 - No washing, crushing, screening, stockpiling, or plant operations will occur at or below the streams "average high water elevation" or the dominant discharge. These and similar activities have the potential to release fine sediments into the stream, which could be harmful to local fish.
 - No in stream mining shall be carried out during rainy season.
 - Sand and gravel shall not be extracted within 200 to 500 meter from any crucial hydraulic structure such as pumping station, water intakes, and bridges.
 - Sand and gravel will be extracted from the downstream of the sand bar at river bends. Retaining the upstream one to two thirds of the bar and riparian vegetation is accepted as a method to promote channel stability.
 - Mining should be restricted to 2 meter depth from upper surface but one meter above of water level whichever less and 2 meter or 10 percent of the river width whichever less, away from the banks is.
 - In the first year, a volume equal to the estimated annual replenishment could be extracted from the reach of channel. Replenishment (up to the elevation of the selected channel configuration) would need to occur before subsequent extraction could take place.
 - An extraction site can be determined after setting the deposition level at 1 m above natural channel elevation.
- **REPLENISHMENT STUDY**

Factor	Details
River	Hirri
Catchment area (A)	1064km ² or 411.01 mile ²
Gradient of the river	2.0m/km
Average annual runoff	50inch
Average annual rainfall	46.10inch

During presentation as per Google image it was observed that the southern side adjoining land is having vegetation cover and shall not be used for sand evacuation for its protection thus proposed sand evacuation route on Google map shall be approved by the competent district authority. It was also observed that the part of the lease is submerged in the water. After presentation and deliberation, PP was asked to submit following information:

1. Through Google image it was observed that the southern side adjoining land is having vegetation cover and shall not be used for sand evacuation for its protection thus proposed sand evacuation route on Google map shall be approved by the competent district authority.
2. Revised production plan leaving submerged area.
3. Revised Plantation scheme for river bank area (Agave, Bulbils, Munja, Khus Grass), evacuation route and in the village as suggested by committee.
4. Revised EMP incorporating expenditure to be incurred on plantation etc..
5. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER) PP shall also submit a proposal for wild life rescue centre.

PP vide their letter dated 27/12/2021 uploaded online query reply and hard copy as well as on “Parivesh Portal”. In the 538th SEAC meeting dated 06-01-22 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.

The case was again scheduled for the presentation wherein PP submitted all queries reply rose in the 536th SEAC meeting dated 17-12-21. PP submitted NOC from SDO, (Revenue), Kevlari, Dist. Seoni (MP) regarding evacuation route in which mention that in the nearby area of the lease there is no छोटे-बड़े पौधों का जंगल नहीं है.

The query reply was discussed with PP and their consultant and the submissions made by the PP were found to be satisfactory and acceptable hence committee after deliberation found that the EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Sand Quarry in an area of 21.00 ha. (99,900 Cum per annum) (Khasra No. 671, 01, 507), Village - Sakri, Khursipar, Ardiya, Tehsil - Kevlari, Dist. Seoni (MP), subject to the following special conditions

in addition to the standard conditions at annexure 'B':

(A) PRE-MINING PHASE

1. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. 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.
4. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
5. PP will also carry out fencing all around the lease area.
6. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
7. For dust suppression, regular sprinkling of water should be undertaken.
8. Transportation road shall be made pucca (tar road) and shall be constructed prior to operation of mine.
9. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

1. Mining shall be carried out as per approved mine plan.
1. No intermediate stacking is permitted at the mine site.
2. Overhead sprinklers shall be provided in mine.
3. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
4. 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 25,000 trees shall be planted along the North region at khasra no. 664/1 , 668 & south region at khasra no. 2,3/1 to 3/5 of ML area in first

year, along the (2 Km) long)approach Road in first year and in Govt School. Situated at village Sakri,Khursipar,Ardiya.

5. Transportation of sand shall be done in covered vehicles.
6. Transportation of sand shall not be carried out through forest area.
7. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
8. Appropriate and submitted activities shall be taken up for social up-liftmen 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.
9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
10. The commitments made in the public hearing are to be fulfilled by the PP.
11. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
12. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

1. In the proposed EMP, capital cost is Rs. 46.23 Lakh is proposed and Rs.11.41 Lakh /year as recurring expenses.
2. Under CER activity, following activities are proposed based public hearing issues.

	Description	Financial Target
Village Sakri, Khursipar , Aradiya	Furniture- 70 sets of tables and chairs @ 2500/Set	1.75
	. boundary wall (65 m long & 2 m heighted)	2.00
	Repairing works like walls ,toilets , leveling of ground etc. 1.00	1.0
	Installation of One Hand pump with protection wall & recharge etc. to as per their demand.	0.65
	Providing 10 Sets of Computer System (@25,000 Rps/System) &	2.60
	Providing financial support to Pench Tiger Reserve	2.0
	Toatal	10.00 lakh

3. 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.
4. 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.

17. Case No 8573/2021 Shri Vaibhav Jain S/o Shri Vimal Jain, Ambedkar Ward No. 12, Silwani, Dist. Raisen, MP - 464551 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (8550 cum per annum) (Khasra No. 117/2 Part), Village - Ghoorpur, Tehsil - Silwani, Dist. Raisen (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 117/2 Part), Village - Ghoorpur, Tehsil - Silwani, Dist. Raisen (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Swati Namdeo on behalf of PP in the 507th SEAC meeting dated 10/08/2021. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 52 dated 24/4/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.429 ha., including this mine.

During presentation it was observed by the committee that as per Google image based on coordinates provided by PP two mines are in existence within 500 meters however, MO has reported only one mine. PP submitted that other mine was sanctioned as TP and now not in operation. Committee after deliberation decided that PP may obtain clarification on above issue from the mining officer clearly stating the number of mines sanctioned within 500 meters, details of mines which are not in operation with reason for further consideration of this case.

The case was presented by RQP Swati Namdeo on behalf of PP in the 523th SEAC meeting dated 28-10-21, wherein it was submitted that as suggested by SEAC they have

obtained revised MO certificate issued vide letter no. 605 dated 27.08.21 wherein MO stated that another mine in 500 m was sanctioned during 23.11.19 to 18.07.21 on TP basis and right now is not in operation. Thus only 01 mine within 500 m. Committee after deliberation decided that this case shall be scheduled for re-appraisal in the forthcoming SEAC meeting. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	33 & 109	North & East	PP submitted that they have already left 17 m set back and Controlled blasting with arrangements of sand bags and three rows of Plantation is proposed towards road side.
Some Trees	within lease	-	No tree felling is proposed tree occupied area shall be dealt as non- mining area .
Human settlement	260	North	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.

After presentation committee asked PP to submit response on following information such as:

1. Revised plantation species as suggested by committee and seed sowing in the barrier zone.
2. Revised CER adding proposal for plantation in the non mining area with physical & financial targets as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 28.10.2021. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 8550cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.8.99 Lakh as capital and Rs. 1.20 Lakh/year.
3. As proposed, a minimum of 1280 trees shall be planted as per the submitted plantation scheme.

The case was discussed in 694th SEIAA meeting dated 26/11/2021 & it was recorded that...

The case was recommended in 523rd SEAC meeting dated 28/10/2021 and it was recorded that...

The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommends the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A'

After detailed discussion and as per the Google Image it is observed by the authority that there is a Pucca road at 33 m. in North-East direction of proposed mining site and existence of some trees. Thus after leaving 200 m from the Pucca Road as a "no Mining Zone" in compliance of the distance criteria for permitting stone quarrying by CPCB and directions issued by Hon;ble NGT in OA No. 304/2019 (distance criteria for Non blasting is 100 m and for blasting is 200 m distance) there will be no minable are left.

The case was not scheduled for the presentation in the 538th SEAC meeting dated 06-01-22 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.

Hence, in the light of above the case was scheduled for clarification from PP wrt above issue raised by SEIAA in their 694th SEIAA meeting dated 26/11/2021.

The committee after detailed discussion on SEIAA vides letter no. 2590/SEIAA/2021, dated 15.12.2021 deliberated that these distance criteria shall be implemented for only those stone quarry and proposals which were received in SEAC after 1st January 2022 and distance criteria should not be implemented from the retrospective effect. Hence committee stand by earlier recommendation made in the 523rd SEAC meeting dated 28/10/2021.

18. Case No 8701/2021 Shri Ajay Gupta S/o Shri Ramprakash Gupta, Tiwari Compound, Near Geeta Marriage Palace, ITI Road, Dist. Hoshangabad, MP - 464990 Prior Environment Clearance for Stone Quarry in an area of 1.982 ha. (25935 cum per annum) (Khasra No. 6/9/3, 6/9/4, 6/9/5), Village - Barhakheda, Tehsil - Goharganj, Dist. Raisen (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 6/9/3, 6/9/4, 6/9/5), Village - Barhakheda,

Tehsil - Goharganj , Dist. Raisen (MP) 1.982 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Swati Namdeo on behalf of PP in the 524th SEAC meeting dated 29/10/2021. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No.3745 dated 03.04.2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.812 ha., including this mine. As per Google image based on online KML file uploaded by it was observed by the committee that old pit in existence since 2013, PP submitted that it was very old mine pit they have got the lease in such condition and pit have shown in the surface map. Moreover, it was also observed by committee that 02 more mine are in existence within 500 meters for which PP submitted that one mine on the western side is very old and now not in operation since 2018 and this is why it is not stated in certificate and same can be verified from the past Google images. Around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate distance from the lease area in meters	Direction	Remarks
Road	500	South – West	--
Human settlement	320	South – West	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Natural drain	87	South	Provision of Garland drain & settling tanks.

After presentation committee asked PP to submit response on following information such as:

1. Lease Chronology shall be submitted by PP.
2. PP's commitment that plantation shall be carried out in the southern-western side of the lease in the first year of operation.

PP has submitted the response of above quarries same date vide letter dated 29.10.2021. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC

subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 25,935 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.11.63 Lakh as capital and Rs. 1.22 Lakh/year.
3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme and under CSR Rs. 0.70 Lakh/years is proposed.

The case was discussed in 694th SEIAA meeting dated 26/11/2021 & it was recorded that...

The case was recommended in 524th SEAC meeting dated 29/10/2021 and it was recorded that.

PP has submitted the response of above quarries same date vide letter dated 29/10/2021. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommends the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A'

After detailed discussion, it is observed by the authority that there are 02 mines exist within the 500m periphery of the proposed mine site. Thus, the factual status of existing cluster should be examined. It is also noted on the basis of Ekal Praman Patra vide letter No. 3745 dated 03/4/2021 issued by Collector (Mining Division), Raisen submitted by PP that the proposed site comes under the notified ESZ of Ratapani Wildlife Sanctuary.

The case was not scheduled for the presentation in the 538th SEAC meeting dated 06-01-22 neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The case was schedule for presentation wherein Env. Consultant was presented the issue raised by SEIAA on behalf of PP with submitted query reply during presentation. It was observed by the committee that -

- As per Collector Office letter No.3745 dated 03.04.2021 has reported that there are 02 more (1.0+1.83+1.982 ha (PP's mine) = 4.812 hac.) mines operating or proposed within 500 meters around the said mine with total area of 4.812 ha., including this mine.
- PP submitted copy of ESZ notification of Ratapani and Singhori Wildlife Sanctuary. S.O.2605 (E), August 11, 2017 wherein mentioned Extent and of Eco-sensitive Zone is 01 KM while their lease boundary is 1429 meters as per DFO letter no. 1667 dated 04.08.2020, which is away from the lease.

In view of above committee stands by its earlier recommendation which was made in 524th SEAC meeting dated 29/10/2021.

(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/Murum and Soil quarries:

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

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

Annexure- 'B'

Standard conditions applicable for the Sand Mine Quarries*

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Only registered vehicles/tractor trolleys with GPS which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4th 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 MoEFCC's Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.
29. LPG gas shall be provided for camping labour under "Ujjwala Yojna".
30. In the project where ground water is proposed as water source, the project proponent shall apply to the competent authority such as Central Ground Water Authority (CGWA) as the case may be for obtaining, No Objection Certificate (NOC).
31. Consideration of mining proposals involving violation of the EIA Notification, 2006, the project proponent shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court of India dated 02/08/2017 in WP © No. 114 of 2014 in the matter of Common Cause V/s Union of India & others before grant of TOR/EC. The undertaking inter alia includes commitment of the PP not to repeat any such violation in future as per MoEF&CC OM No. F.NO. 3-50/2017-IA.III (Pt.) dated 30/05/2018.
32. The mining project proponents involving violations of the EIA Notification, 2006 under the provisions of S.O. 804 (E) dated 14/03/2017 and subsequent amendments for TOR/EC shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 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.
- ✓ 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.