

SEAC 454th meeting 29.08.2020

- 1. Case No. – 5789/2018 M/s Satyamitra Infrastructure Pvt. Ltd, 247, Prem Trade Centre, Maharani Road, Indore, MP Prior Environment Clearance for Construction of Proposed "Satyamitra Rajlaxmi Nature" Multi Dwelling Units (Total Plot Area = 24021 sqm., Total Proposed Built-up Area = 28433 sqm) at Khasra No. 537 Rangwasa village, Tehsil - Indore & Dist. Indore, MP.**

Earlier this case was scheduled for presentation and discussion in 333rd SEAC meeting dated 29/11/2018 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 14/07/20 which was forwarded through SEIAA vide letter no. 1871 dated 25/07/2020, which was placed before the committee.

The case was scheduled in 450nd meeting dated 13/08/2020 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 scheduled again for 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. PP was also absent in the 450nd meeting dated 13/08/2020. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

- 2. Case No. – 6553/2019 Shri Ravindra Singh Yadav, Jagnapura No. 2, Ghasmandi, Dist. Gwalior, MP – 474003 Prior Environment Clearance for Stone Quarry & Murrum in an area of 2.940 ha. (Stone-59,205 cum per annum & Murrum- 26,660 cum per annum) (Khasra No. 32/1, 32/2, 33), Village - Lakhanpura, Tehsil - Dabra, Dist. Gwalior (MP).EIA Consultant: Green Circle Inc. Vadodara.**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 32/1, 32/2, 33), Village

- Lakhanpura, Tehsil - Dabra, Dist. Gwalior (MP) 2.940 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. Q-L 297/17/2019 dated: 23/09/2019 has reported that there are 05 more mine operating or proposed within 500 meters around the said mine total area of 16.20 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 401th SEAC meeting dated 01/11/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 18/8/20 which was forwarded through SEIAA vide letter no. 2320 dated 21/08/2020, which was placed before the committee.

PP and their consultant presented the EIA before the committees, during presentation during presentation as per Google image based on coordinates provided by PP it was observed that in the south west corner of the lease a temple is seen which is approx. 70 meters PP submitted that they will left additional 30 meters towards this side of the lease. PP has carried out one month additional monitoring in the month of Nov.- Dec. 2019.

Following details of this project were submitted by the PP:

- Lakhanpura Stone & Murrum Quarry is a new proposed stone and Murrum Quarry of Shri Ravindra Singh Yadav located at village Lakhanpura, Tehsil: Dabra, District: Gwalior (M.P). It is spread over an area of 2.940 ha.
- Under the current EC application the project is proposed for the production capacity of Granite Stone - 59,205 m³/year & Murrum 26,660 m³/year has been proposed.
- Since cluster of active mines area in the immediate surrounding exceeding 5 hectares, therefore EIA and EMP required for seeking Environmental Clearance from SEIAA as per the O.M F.No. L-11011/175/2018/IA-II (M) dated 12/12/2018.
- The estimated life of the mine is approx. 5 years.
- The Mining Lease was sanctioned by the Directorate of geology and Mining MP vide letter no. – 3645/Khanij/U.P./NA.KR 20/2018 dated 01/03/2019 for a period of 10 years.

- The production estimated to be 59,205 m³/ Year for stone & for Murrum 26,660 m³/ Year.
- The Mining Plan with Progressive Mine Closure Plan has been approved by, Directorate of Geology and Mining Regional Office Gwalior vide letter no. 380 dated 30.03.2019.

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

- Revised CER as suggested during meeting.

PP vide their letter dated 29.08.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend for Prior Environment Clearance for Stone Quarry & Murrum in an area of 2.940 ha. (Stone-59,205 cum per annum & Murrum- 26,660 cum per annum) (Khasra No. 32/1, 32/2, 33), Village - Lakhanpura, Tehsil - Dabra, Dist. Gwalior (MP)., subject to the following special conditions:

(A) PRE-MINING PHASE

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

9. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 3000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be (1.5 m Wide & 1 m Deep & 970 m Long). The settling tank will be 03 in number of size 4 m wide, 20 m long & 2.5 m deep.
25. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt

development and beneficiation plant. Regular de-silting of drains and pits should be carried out.

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

Sr.No.	USE	PRESENT Area (Hect.)	AFTER FIRST 5 YEAR Area (Hect.)	AT THE END OF MINE LIFE
1.	Area excavated	0.000	2.4042	0.0000
2.	Water harvesting	0.000	0.0000	2.4042
3.	Plantation	0.000	0.000	0.5358
4	Undistributed Area	2.940	0.5358	0.000
	TOTAL	2.940	2.940	2.940

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

(C) ENTIRE LIFE OF THE PROJECT

33. In the proposed EMP, capital cost is Rs. 10.31 Lakh is proposed and Rs.3.83 Lakh /year as recurring expenses.

34. Under CSR activity, Rs. 5.50 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
35. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
36. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

3. Case No 7406/2020 Shri Mukesh Tahlani, Ward No. 28, Krashnapuri, Sindi Colony, Dist. Hoshangabad, MP Prior Environment Clearance for Stone Quarry in an area of 3.730 ha. (28025 cum per annum) (Khasra No. 344), Village - Samnapurkalan, Tehsil - Goharganj, Dist. Raisen (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 344), Village - Samnapurkalan, Tehsil - Goharganj, Dist. Raisen (MP) 3.730 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. 777 dated: 18/06/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.730 ha., including this mine.

The case was scheduled in 451nd meeting dated 14/08/2020 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 presented by the PP and their consultant after presentation the committee asked to submit following details:

- Crusher proposed within lease area proposal for 3.0 meters MS sheet wall in the EMP.
- Revised plantation species - remove Jamun, Kadam & Arjun and instead of these include Amaltas, Dudhi, Khirni & Maulshree species as suggested during presentation

PP has submitted the response of above quarries same date vide letter dated 29.08.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone – 28,025 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 16.61 Lakh as capital and Rs. 02.15 Lakh/year as recurring cost, under CER Rs. 05.0 Lakh in 05 year is proposed.

4. Case No. – 6274/2019 Shri Ruchit Daga S/o Shri Mahendra Daga, Tehsil - Badnawar, Dist. Dhar, MP Prior Environment Clearance for Metal Stone Quarry in an area of 2.00 ha. (5,880 cum per annum) (Khasra No. 135/1), Village - Manglya, Tehsil - Badnawar, Dist. Dhar (MP).

This is case of Metal Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 135/1), Village - Manglya, Tehsil - Badnawar, Dist. Dhar (MP) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 2214 dated: 20/04/18 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation in 387th SEAC meeting dated 07/08/2019 wherein 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. PP was also absent in 380th SEAC meeting dated 05/07/2019. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented by the PP and their consultant wherein it was observed from the Google image that the lease is already excavated, for which PP submitted that they have obtained EC from DEIAA and it's a case of lease renewal. Committee observed that the coordinates are not matching with the actual lease boundary shown by the PP and as per the co-ordinates provided in mine plan. Committee also observed that lease has already infringed natural stream which is in existence on the western side of the lease.

Thus, committee after deliberations recommends that PP shall submit the DGPS co-ordinates of the lease and copy of earlier EC obtained from DEIAA for further consideration of this case.

In the SEAC 393th meeting dated 30/8/19, query raised and issued letter no. 645 dated 23/9/19 and reminder letter was also sent to the PP vide letter no. 766 dated 13/12/19. PP so far has not submitted the desired information thus in the SEAC 416th meeting dated 08-01-2020 committee after deliberations decided that the case is recommended for delisting in the light of MoEF&CC OM file No. J-11013-5-2009-IA-II (part) dated 30/10/2012.

SEIAA vide letter 1826-27/SEIAA/20 dated 23-07-2020 case relisted and sent technical file to SEAC along with PP request letter dated 30.6.2020 wherein PP stated that due to some unavoidable circumstances he was not able to present the case .

The case was scheduled again for 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. PP was also absent in the SEAC 451st dated 14.08.2020. Committee decided to give last chance to PP for making

presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

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SEAC 453th meeting 28.08.2020

- 5. Case No 7472/2020 Smt. Reena Sharma W/o Shri Vadant Sharma, L-1, Side-1 City Centre, Distt. Gwalior Prior Environment Clearance for Stone Quarry in an area of 3.15530 ha. (2,00,000 Cum per Annum) and Murrum – 101429 Cum per Annum) at (Khasra No. 4157P, 4158P), Village – Parsen, Tehsil – Gwalior, Distt. Gwalior (M.P.)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 4157P, 4158P), Village – Parsen, Tehsil – Gwalior, Distt. Gwalior (M.P.) 3.15530 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. QL dated: 25/02/2019 has reported that there are 06 more mines operating or proposed within 500 meters around the said mine with total area of 29.710 ha., including this mine.

The case was presented by the PP and their consultant to obtain TOR . As per Google image based on coordinates provided by PP, it was observed that this mining is proposed on the slightly heightened upland plateau , where natural drain in the east side at 422 meters and a habitation at 225 meters in the north. Being it's a case Stone Quarry with total area of 29.710 ha including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the

MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- 1) Protection plan w.r.t. to natural drain in the east side at 422 meters and a habitation at 225 meters in the north .
- 2) Legeable copy of mine sanction letter.
- 3) Environmental Monitoring should be conducted minimum on 08 locations for Air, Noise, Soil, Ground & Surface waters. In soil samples heavy metal and pesticides (minimum in 02 samples) analysis shall also be conducted).
- 4) Environmental Monitoring should be conducted in such a way that from all soil samples heavy metal should be analysed and atleast in one sample analysis of pesticides should conducted.
- 5) 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”.
- 6) Include activity with appropriate budget for reflectors installation, T-Junction Development where haulage road join with main pucca road and provision of speed breakers in the EMP.

6. Case No 7353/2020 M/s City Enterprises, Prop. Smt. Shweta Goyanka, Village - Kotma, Tehsil - Kotma, Dist. Anuppur, MP – 484334 Prior Environment Clearance for Stone Quarry in an area of 1.011 ha. (20000 cum per annum) (Khasra No. 335/1) at Village- Pairichua, Tehsil- Kotma, District- Anuppur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 335/1) at Village- Pairichua, Tehsil- Kotma, District- Anuppur (MP) 1.011 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. 710 dated 21/5/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled in 449nd meeting dated 24/07/2020 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 scheduled again for presentation in 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. PP was also absent in the 450th meeting dated 13/8/2020 and 449nd meeting dated 24/07/2020. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was scheduled for 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. Earlier PP was also absent in SEAC meeting 450th SEAC meeting dated 13-08-20 and 449nd meeting dated 24/07/2020. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

7. Case No 7367/2020 Shri Sunil Kumar Gupta S/o Shri Sharda Prasad Gupta, Village - Lalatola, Post - Beldongari, Tehsil - Pushprajgarh, Dist. Anuppur, MP - 484881 Prior Environment Clearance for Stone Quarry in an area of 1.91 ha. (30000 cum per annum) (Khasra No. 192) at Village- Saraipatera (Bhaisantola), Tehsil- Pushprajgarh, District- Anuppur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 192) at Village- Saraipatera (Bhaisantola), Tehsil- Pushprajgarh, District- Anuppur (MP) 1.91 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. 709 dated 21/5/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled again for 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. PP was also absent in the 450th meeting dated 13/8/2020 and 449nd meeting dated 24/07/2020. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project

The case was scheduled for 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. Earlier PP was also absent in SEAC meeting 450th SEAC meeting dated 13-08-20 and 449nd meeting dated 24/07/2020. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

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

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 23) at Village- Puchhi, Tehsil- Chhatarpur, District- Chhatarpur (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

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

The case was previously discussed in the 446th SEAC meeting dated 06/07/2020 wherein it is recorded that the lease is lies on the ridge of the small hillock and no blasting is proposed. During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed-

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

After presentation the committee asked to submit following details:

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

PP has submitted the response of above quarries same date vide letter dated 06.07.20202020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murum 20,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 13.434 Lakh as capital and Rs. 2.87 Lakh/year and under CER Rs. 02.50 Lakh is proposed.

This case was discussed in 630th SEIAA meeting dated 10/08/2020. There after SEIAA vide letter no. 2241 dated 19/8/2020 has sent back the case file to SEAC for reappraisal considering environmental sensitivity as proposed mine is located in close vicinity of stop dam of the water reservoir. This case was recommended by SEAC in the 446th SEAC meeting dated 06/7/2020.

This case was placed before the committee in above context for re-appraisal. The committee observed through Google image that the stop dam embankment wall is approx 600 meters away from the lease. Moreover, water body at a distance of 250 meters. Being a case of Murrum “no blasting” proposed and the same can be confirmed from submitted mining plan (refer chapter 06 of Mining Plan point no. 6.2 & 6.3). Committee observed that PP has submitted the proposal for 02 nos. of settling tank as (3.0mW X 5.0mL X 3mD) with garland drain (980 m L X 1.5mW X 1.0mD) to address the issue of mine water discharge. Committee also observed that these facts were discussed in detail in the 630th SEIAA meeting dated 10/08/2020 and were minimized in the minutes. Since no blasting is proposed in this mining activity and PP has proposed garland drains and settling tanks committee decided to standby its earlier recommendations made in SEAC in the 446th SEAC meeting dated 06/7/2020 as these environmental sensitivities were discussed while appraising the case .

9. Case No 7364/2020 M/s Bamdev Global, Authorized Person, Shri Upendra Gupta, E-91, Shree Nath Vihar, Chilla Road, Dist. Banda, UP - 210001 Prior Environment Clearance for Sand Quarry in an area of 6.00 ha. (30,000 cum per annum) (Khasra No. 122, 318, 01, 52 Parts) at Village- Gavhana, Tehsil- Burhanpur, District- Burhanpur (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 122, 318, 01, 52 Parts) at Village- Gavhana, Tehsil- Burhanpur, District- Burhanpur (MP) 6.00 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. 159 dated 03/2/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled again for presentation in 450th meeting dated 13/8/2020 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. PP was also absent in the 447th meeting dated 22/07/2020.. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was scheduled for 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. Earlier PP was also absent in 450th meeting dated 13/8/2020 and 447th meeting dated 22/07/2020. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

10. Case No 7365/2020 M/s Bamdev Global, Authorized Person, Shri Upendra Gupta, E-91, Shree Nath Vihar, Chilla Road, Dist. Banda, UP - 210001 Prior Environment Clearance for Sand Quarry in an area of 7.00 ha. (35,000 cum per annum) (Khasra No. 01) at Village- Nachankheda, Tehsil- Burhanpur, District- Burhanpur (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 01) at Village- Nachankheda, Tehsil- Burhanpur, District- Burhanpur (MP) 7.00 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. 159 dated 03/2/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled again for presentation in 450th meeting dated 13/8/2020 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.

PP was also absent in the 447th meeting dated 22/07/2020.. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was scheduled for 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. Earlier PP was also absent in 450th meeting dated 13/8/2020 and 447th meeting dated 22/07/2020. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

11. Case No 7366/2020 M/s Bamdev Global, Authorized Person, Shri Upendra Gupta, E-91, Shree Nath Vihar, Chilla Road, Dist. Banda, UP - 210001, Prior Environment Clearance for Sand Quarry in an area of 5.00 ha. (25,000 cum per annum) (Khasra No. 51, 96) at Village- Rehata, Tehsil- Burhanpur, District- Burhanpur (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 51, 96) at Village- Rehata, Tehsil- Burhanpur, District- Burhanpur (MP) 5.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 159 dated 03/2/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled again for presentation in 450th meeting dated 13/8/2020 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. PP was also absent in the 447th meeting dated 22/07/2020.. Committee decided to give last chance to PP for making presentation in the subsequent

meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was scheduled for 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. Earlier PP was also absent in 450th meeting dated 13/8/2020 and 447th meeting dated 22/07/2020. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

12. Case No 7384/2020 M/s Bamdev Global, authorized person Shri Upendra Gupta, E-91, Shree Nath Vihar, Chilla Road Banda (UP)-210001 Prior Environment Clearance for Sand Quarry in an area of 13.600 ha. (40000 cum per annum) (Khasra No. 439) at Village- Fatepur, Tehsil- Burhanpur, District- Burhanpur (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 439) at Village- Fatepur, Tehsil- Burhanpur, District- Burhanpur (MP) 13.600 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. 159 dated 03/2/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled again for 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. PP was also absent in the 450th meeting dated 13/8/2020 and 449nd meeting dated 24/07/2020. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

13. Case No 7385/2020 M/s Bamdev Global, authorized person Shri Upendra Gupta, E-91, Shree Nath Vihar, Chilla Road Banda (UP)-210001 Prior Environment Clearance for Sand Quarry in an area of 8.110 ha. (40000 cum per annum) (Khasra No. 209) at Village- Daryapur, Tehsil- Nepanagar, District- Burhanpur (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 209) at Village-Daryapur, Tehsil- Nepanagar, District- Burhanpur (MP) 8.110 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. 159 dated 03/2/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled again for 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. PP was also absent in the 450th meeting dated 13/8/2020 and 449nd meeting dated 24/07/2020. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

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SEAC 451st meeting 14.08.2020

14. Case No. – 6067/2019 Shri Girraj Singh, Panchavati Colony, AB Road, Bhahorapur, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (2,29,575 cum per annum) (Khasra No. 2304), Village - Prakash Bamhauri, Tehsil - Gaurihar, Dist. Chhatarpur (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2304), Village - Prakash Bamhauri, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 694 dated: 05/2/19 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 6.233 ha., including this mine.

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

PP has submitted the EIA report vide letter dated 20/7/20 which was forwarded through SEIAA vide letter no. 1838 dated 23/07/2020, which was placed before the committee.

PP and their consultant presented the EIA before the committees, PP stated that following details of this project were submitted by the PP:

- Under the current EC application expansion in production capacity of Granite Stone from 80,000 m³/year to Max. 2,29,575 m³/year has been proposed.
- Since cluster of active mines area in the immediate surrounding exceeding 5 hectares, therefore EIA and EMP required for seeking Environmental Clearance from SEIAA as per the O.M F.No. L- 11011/175/2018/IA-II (M) dated 12/12/2018.
- The estimated life of the mine is approx. 3 years.
- Previously EC was granted by DEAC/ DEIAA MP vide letter No. 868/DEIAA/2016 Dated 26/06/2016. Compliance of EC has been certified by MoEF&CC Regional office, Bhopal.
- The stone production estimated to be Max. 2,29,575 cu.mtr/ Year for the lease period of 10 years.
- Mining Plan with Progressive Mine Closure Plan has been approved by, Directorate of Geology & Mining Regional office Jabalpur vide letter no.- 3805 dated 29.09.2018 and is valid from 2015 to 2025.

During presentation PP informed that they have obtained MoEF&CC compliance report of earlier EC condition and the compliance was found satisfactory. After presentation and deliberation, PP was asked to submit following information:

1. Commitment that no crusher to be installed within lease.
2. Blasting impacts and its mitigative measures.
3. Mitigative measures for high air quality value of PM10.
4. Revised EMP as suggested by the committee.
5. Revised CER as suggested by the committee.

PP vide their letter dated 14.08.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Stone Quarry in an area of 4.00 ha. (2,29,575 cum per annum) (Khasra No. 2304), Village - Prakash Bamhauri, Tehsil - Gaurihar, Dist. Chhatarpur (MP), subject to the following special conditions:

(A) PRE-MINING PHASE

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

9. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 4150 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 1.5 m Wide & 1 m Deep & 850 m Long. The settling tank will be 04 in number of size 4 m wide, 15m long & 2.5 m deep.
25. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt

development and beneficiation plant. Regular de-silting of drains and pits should be carried out.

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

Particulars	Present Area in (ha)	After 5 years Area in (ha)	At the end of mine life Area in (ha)
Pits	0.120	3.368	0.00
Office & Rest Shelter (barrier zone)	0.0036	0.0036	0.000
Plantation (within Barrier Zone)	0.20	0.6284	0.632
Water Body	0.000	0.000	3.368
Unused	3.6764	0.000	0.00
Total	4.000	4.000	4.000

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

(C) ENTIRE LIFE OF THE PROJECT

33. In the proposed EMP, capital cost is Rs. 18.56 Lakh is proposed and Rs.7.29 Lakh /year as recurring expenses.
34. Under CSR activity, Rs. 4.10 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
35. PP will comply with all the commitments made vide letter dated 13.08.2020.

36. 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.
37. 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.

15. Case No. – 6523/2019 M/s ACC Ltd, Kymore Cement Works, P.O.Kymore, Dist. Katni, MP - 483880, Prior Environment Clearance for 2.00 MTPA Cement Grinding Unit at Khasra no 77, 83/1, 82, 81, 79, 78, Village - Ametha, Tehsil - Vijayaraghavgarh, Dist. Katni (MP). Env.Cons-Creative Enviro Services.

This is case of Cement Grinding Unit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Village - Ametha, Tehsil - Vijayaraghavgarh, Dist. Katni (MP).

The project requires prior EC before commencement of any activity at site.

In the SEAC 398th meeting dated 04/10/2019 the committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA. Accordingly TOR was issued to the PP.

PP has submitted the EIA report vide letter dated 05/05/2020 which was forwarded through SEIAA vide letter no. 1298 dated 25/06/2020, which was placed before the committee.

In the SEAC 444th meeting dated 03/07/2020 PP and their consultant presented the EIA before the committee during discussion following details of this project was submitted by the PP:

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

Brief Write Up of the Project:

- ACC Limited propose to set up a 2.0 Million Ton per Annum (MTPA) Greenfield Cement grinding plant at khasra No. 77,83/1,82,81,79,78,

Ametha, Tehsil Vijayaraghavgarh, District Katni, Madhya Pradesh to meet the growing market demand of cement in Madhya Pradesh, Uttar Pradesh.

- As per the provisions of EIA notification SO 1533 (E) dated 14th September 2006, proposed Cement grinding unit project falls under the 3 (b) Cement Plants category. In view of this ACC has submitted application to SEAC/ SEIAA for environmental clearance.
- Estimated total project cost is Rs 200 Crores. ACC has earmarked 30 cr towards the Environmental Management Plan (EMP) implementation and 3.5 cr for CER (Corporate Environment responsibility). The project is expected to be implemented within 12 Months after obtaining all relevant approvals.
- This is state of art environment friendly, dry process cement grinding unit will result in sustainable development by utilization of waste fly ash from nearby power plant. Total land required for project is 5.1 ha Acres. The proposed land is owned by company and there is no issue of Rehabilitation & Resettlement (R&R). Land use of the project land is changed for industrial purpose 39 % of total area is earmarked for the green belt development.
- Total water requirement will be 115 m³/day. This water requirement for the proposed cement grinding unit, will be met from the rain water harvested in the existing excavated mine pits. Zero Liquid Discharge (ZLD) will be maintained.
- Total employment potential will be about 30 in permanent role and 60 in contractual jobs excluding indirect employment. ACC will give preference to the local people during construction and operation phase of the project depending upon the skill, job requirement and desired competency. The surrounding people will benefit from various socio-economic activities and direct indirect job opportunities created by the proposed project.

Project Cost:

- Protect cost - The capital cost [INR] : 200 Crores
- Cost of EMP [INR] : 30.0 Crore
- Cost of CER [INR] : 3.5 Crore

During EIA presentation PP stated that this proposed plant is a green field project for cement grinding unit by utilization of waste fly ash from nearby power plant. In this plant dry process of cement grinding will be used. Portland Pozzolona Cement (PPC) will be produced by grinding Clinker, fly ash & gypsum in a definite proportion. The grinding system is based on grinding in Vertical Roller Mill (VRM).

After presentation the committee asked to submit following details:

- I. Commitment that proposed raw material will be transported by the conveyor for which no issues of land aquisition and R&R are pending.
- II. Copy of valid NABT certificate as submitted certificate expired on 18/02/2020.
- III. DFO certificate shall be deposited by PP.
- IV. PP shall explore the possibility of transporting fly ash from nearby railway yard/siding to the plant through conveyer belt or through railway line to avoid road transportation and fugitive emissions.
- V. Process flow diagram with mass balance.
- VI. Bifurcation of total water demand of 115 KLD.
- VII. Bifurcation of flora and fauna as per schedule of species and commitment that no schedule - I species is recorded within the study area.
- VIII. Details of proposed STP i.e component wise drawing & design with capacity.
- IX. Details of all raw materials and their storage area proposed for them as discussed during presentation.
- X. Any proposal for hot air generation (HAG).
- XI. Details of pollution control equipments proposed to be installed at Raw material Handling Area, Cement Mill (hopper building), Cement Mill & bag house, Fly ash Silo, Cement Silo, Packing Plant etc.
- XII. Source of generation of waste oil (4000 liters/annum) and Grease (3500 kg/annum).
- XIII. Revised plantation scheme as suggested by committee during presentation.
- XIV. Revised EMP and CER as suggested by the committee during presentation.

PP vide their letter dated 20.07.2020 submitted query reply, PP stated that proposed plant is a cement grinding unit only. About 39% area of plant area

will be covered with green belt. Road & approaches would be concreted to control fugitive dust emission. Most efficient type water spraying system would be provided. Regarding R&R the required land is owned by ACC and is already diverted for the industrial use. Hence, no issue of R&R related to land acquisition. The all queries which were placed before the committee found satisfactory and acceptable to the committee. After discussion committee observed that the EMP and other submissions including query reply made by PP were found adequate and satisfactory and thus the case is recommended for Cement Grinding Unit at Khasra no 77, 83/1, 82, 81, 79, 78, Village - Ametha, Tehsil - Vijayaraghavgarh, Dist. Katni (MP). Capacity- 2.00 MTPA Cat. - 3(b), Cement Plant, subject to the following special conditions:

I. Statutory compliance:

- I. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- II. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water/from the competent authority concerned in case of drawl of surface water required for the project.
- III. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

II. Air quality monitoring and preservation

- I. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 91st May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

- II. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986
- III. The project proponent shall install Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released e.g. PM10 and PM 2.5 in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- IV. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six monthly monitoring report.
- V. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources so as to comply prescribed stack emission and fugitive emission standards.
- VI. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- VII. Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
- VIII. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- IX. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.
- X. Provide wind shelter fence and chemical spraying on the raw material stock piles.
- XI. Have separate truck parking area and monitor vehicular emissions at regular interval.

XII. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as a mode of transport.

XIII. Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants.

III. Water quality monitoring and preservation

- I. The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated as" August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous)
- II. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- III. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- IV. Adhere to 'Zero Liquid Discharge.
- V. Sewage Treatment Plant shall be properly maintained and operated for treatment of domestic wastewater to meet the prescribed standards.
- VI. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- VII. The project proponent shall continue the practice of rainwater harvesting to maximum possible extent.
- VIII. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

- I. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- II. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures

- I. Provide solar power generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- II. Provide the project proponent for LED lights in their offices and residential areas.
- III. Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.

VI. Waste management

- I. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- II. Solid waste whatsoever generated shall be disposed off in suitable manner.

VII. Green Belt

- I. The project area has a green belt (5000 nos. of plants) in the area of 20,000 m². Green belt shall be maintained in an area equal to 39% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
- II. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.

VIII. Human health issues

- I. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- II. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- III. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking,

mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

- IV. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

I X. Corporate Environment Responsibility

- I. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- II. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- III. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- IV. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- V. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- VI. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.
- VII. For Environment Management Plan PP has proposed Rs. 3000 Lakhs as capital and Rs. 79.0 Lakhs as recurring cost for this project.
- VIII. For this project PP has proposed Rs 350 Lakhs as Corporate Environment Responsibility (CER) for remaining project component.

X. Miscellaneous

- I. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- II. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

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SEAC 450th meeting 13.08.2020

16. Case No. – 6218/2019 M/s D.P.Rai, Shri D.P.Rai, Nanhaka, 10, East High Court Road, Ramdeshpeth, Dist. Nahpur, Mah. Prior Environment Clearance for Expansion of Manganese Ore Mine in an area of 14.90 ha. (10,000 tonne per annum to 60,000 tonne per annum) (Khasra No. 1, 2, 3, 4, 9, 10, 11), W.O. 136, 137, 138 Village - Pandharwani, Tehsil - Khairlanji, Dist. Balaghat (MP).

This is case of Capacity Expansion of Manganese Ore Mine with physical beneficiation through crusher. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1, 2, 3, 4, 9, 10, 11), W.O. 136, 137, 138), Village - Pandharwani, Tehsil - Khairlanji, Dist. Balaghat (MP) 14.90 Ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 374th SEAC meeting dated 25/05/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 2023 dated 07/08/2020, which was placed before the committee.

The case was presented by the PP and their consultant wherein PP submitted that it's a proposal for capacity expansion is proposed in Manganese ore mining from 10,000 TPA to 60,000 TPA along with crusher in the ML of 14.90 ha at village- Pandharwani, Tehsil- Khairlanji Dist. Balaghat (MP) through opencast and underground method. It was observed that the EC

compliance report submitted in the EIA which was issued by MoEF&CC was satisfactory.

The salient features of the project:

Summarised of geological reserves and mineable reserves	
Particulate	Details
Geological reserves as per pervious mining scheme	
Measured mineral resources (area x incline length) 4200m ² (350m L x 12m Width) x 45m ((35+35+65)/3) (331)	661500.00 T
Infrared mineral resources (333) (area x incline length) 900m ² (75m L x 12m Width) x 35m	110250.00 T
Feasibility mineral resources (221)	
Ore blocked in barrier zone T 7.5m x 12m x 100m x 3.5 BD	31500.00 T
Ore blocked in underground safety About 30% ore will be blocked = 661500 x 0.30	198450.00 T
Total minerals blocked 31500 + 198450	229950.00 T
Total geological reserves = 661500 – 229950	431550.00 T
Total recoverable reserves as on date 01.04.2018	413264.00 T
Production in next five year period	110500.00 T
Balance reserves 413264-110500	302764.00 T
Proposed capacity	60000.00 T
Hence mine life = $5 + 302764/60000.00 = 5.05+5$	10.06 says 10years

Mining Method and Production Details

- Opencast as well as underground other than fully mechanical mining method will be adopted.
- Opencast mining : Considering the open cast reserves the proposals are given to float ore working in the south and North West part of lease area
- Loading and unloading on trucks has been done by excavator cum loader.

- Presently 4.97ha area has been excavated during past mining activity upto 3-46m and during conceptual period working will be carried out in same pit in depth wise. No further excavation will be carried out.
- During the first year working main incline and vertical winze/shaft in the ore zone will be developed for underground working. The main incline is proposed upto excavated till mRL 240 and vertical winze/shaft upto mRL 250.
- During the conceptual period dump ore working will also be done.
- During the conceptual period about 2.2252ha will be backfilled using mine waste and rest of area will be backfilled using water.
- After manual screening of low grade manganese from sub-grade dump and mine waste dump, crushing will be done in lease area by crusher.

Underground Mining Method

In the first year of the proposal period Main Incline and Vertical Winze/Shaft in the ore zone will be developed. It is proposed to commence Cross Cuts / Ore Drives as follows:

1. Main Incline from MRL 285, 270, 255 i.e. at 15 meter vertical interval
2. Vertical Shaft/ Winze: MRL 300 only in the North direction i.e. away from the pit MRL 285, 270, 255 at 15 meter vertical interval
3. The main incline is proposed up to be excavated till MRL 240 and Vertical Shaft up to MRL 250.
4. The thickness of the ore body varies from 10m to 19m. The strike direction is NE to SW. Dip is towards North and at an average angle of +70 degree to almost vertical.

Mode of entry

- Main Incline is proposed in the central part with angle of 20degree of the lease area and the advance will be in south west direction. Excavated size is 3.6 x 2.5m and finished size is 2 x 2.3m.
- Vertical Shaft/ Winze from the northern portion of the lease area. This will provide second out let to the working from the main incline with excavated size of 6.0m x 4.0m and finished size is 5.0m x 4.0m

- Cross cuts, ore derives, raises and winzes from both the sides i.e. from main incline as well as from vertical shaft.

Stoping method (proposed):

- “HORIZONTAL CUT & FILL” for Ore bodies having dip of more than 45°. This is again divided in two types viz. :
 - Ore bodies of thickness less than 10 meters. In this case the length of stop will be along the strike.
 - Ore bodies of thickness more than 10 meters. In this case the length of stope will be at right angle (90°) to the strike, with barrier pillar of “Ore” in between two stopes .
- Stoping of ore bodies dipping at less than 45° angle”
- Breast Stoping (Modified)” with “Dry Filling” or “Sand Stowing” for Ore bodies of thickness up to maximum of 2.5 meters.
- “Room & Pillar” or “Post Pillar” for Ore bodies of thickness more than 2.5 meters.

Method selected for stoping

With the various structural findings in the exploration the most probable method of stopping appears to be “Horizontal Cut and fill with post filling by hydraulic and filling/backfilling with waste/OB etc.

The stoping proceeds from bottom level towards upper level starting from the Winze/Raise interconnection between levels.

- Method and sequence of stoping
- Winzes/Raises of 2.4 x 2.4m will be developed from one level to the another at 30m strike intervals.
- The level interval scheduled at 15m from one level to another
- Ore drive of 3x2.4m size driven following the FW will be connected to the shaft inset/incline bottom for drawing of ROM
- The above development forms a Stope block size of 30mx15m which are numbered serially in the order of priority of stoping
- Room height between the stope back and the back-fill/sand fill will be maintained at 2.4m while the width of stope will be equal to the width of the ore body

- Before any slice of stope back is taken rock bolting at a grid pattern of 2mx2m and a bolt in the center-5no. rock bolts of 2m length made of 20mm Tor steels will be grouted in the roof of the stope. Rock bolts will be fixed at right angle to the dip of the HW with a base plate tightened against the roof which will be tested for anchorage (for a minimum of 6Tons load-10% rock bolts will be tested).
- The ROM from the stope will be transported to Vertical shaft or Incline shaft bottom from where is hoisted to the surface.
- When stoping over fill width of ore body along strike for a length equal to a stope panel, maximum stress will be generated at the HW and FW contacts. Therefore cable bolts and rock bolts are placed in the back at a grid interval of 2m
- In this case entire length of strike at the bottom most level (250mRL) will be stoped out simultaneously starting from NE boundary and SW boundary of the lease area keeping the VS-1 and Incline shaft hoisting system intact.
- Shaft pillar around the Incline shaft or Vertical shaft in ore if any will be also mined out with backfilling.

Drilling In Stopes: for a slice/advance of 1.5m in the back of the stope, 1600mmx32mm drill steel rods are used for drilling. Drilling parameters are given below

- Spacing – 0.8m to 12.0m depending on the fragmentation required
- Burden – 0.8m
- Length of holes – 1.5m
- Volume broken/hole = $1.5 \times 1 \times 0.8 = 1.2 \text{ cum} = 4.2 \text{ T of ore}$

Blasting in Stopes:

- Charge/hole – 2 cartridges = 250gms
- Stopping material – wet clay mixed with sand or drill cutting
- Explosive used – Slurry explosive – in Cartridges from of 20cmx25mm dia – 125gms each
- Strength of explosive – 80%

- Length of each stope block – 30m (center to center)
- Effective length of stope block – 17m
- One round, it is proposed to have one slice of 1.5m over full stope back of 27m
- No. of holes in a row over 10m width of stope – 9 holes
- Total no. of holes in one stope block/slice = $27 \times 9 = 243$ holes
- Total charges required – $243 \times 250\text{gms} = 60.75\text{kg}$
- No of holes/blast = $30\text{holes} = 30 \times 4.2 = 126\text{T}$
- Powder factor – 4.2 t from 250gms of explosive = 16.8T/kg

Vertical Winze/Shaft Pillar:

Considerable quantity of ore will be blocked in these safety/protective pillars. All the pillars will be extracted just before closure of the mine and the technique of extraction will depend upon the geotechnical data and the equipment available at the point of time. It can be assumed that at least 70 to 75% of the ore blocked in the “Shaft Pillars” will be extracted safely other than blocked in the “barrier pillar” left between the opencast working and underground working.

Hoisting

Main Incline will be furnished with 40 lbs rails. Haulage will be installed at the surface (20HP). A one ton capacity tub will on the track line. Excavated materials from the Incline will be loaded into tub manually and the haulage will pull it up to the surface. As proposed, Excavations including drives/x-cuts and winzes etc. will be carried out through Main Incline and Vertical Shaft No.1 both. Track lines will be laid in the Level drive and a set of 3-4 tubs will be provided. Excavated materials will be hoisted to the surface through the Main Incline and Vertical shaft no.1 both. The two Main entries will be protected and maintained till the life of the mine and same arrangement as above will continue for transportation of minerals from u/g workings. Main Incline will also serve as Man way.

Sand stowing

- Sand stowing operation for the proposed block will be carried out by sand stowing plant situated at surface. The bunker capacity of the plant is 15cum and the mixing chamber capacity is 4 cum., through which sand and water mixture in the ratio 1:9 flows. Sand stowing capacity of the plant is 5 cum / hr.
- In each stope the ore body at MRL 250 shall be stripped from hanging wall to footwall up to a maximum height of 3 m. and stoping shall then be proceeded from MRL 286 to MRL 305 in conjunction with hydraulic sand stowing / waste rock filling.
- Sand stowing / waste rock filling shall be done up to a height of 2 m. from floor leaving 1 m. gap along roof within 15 m. distance of the moving face.
- Before mining next upper lift, the lower lift will be filled from wall to wall leaving a travelling way of 1.5 m. wide in footwall contact keeping unfilled for maintaining interconnection between two adjacent stopes.
- Sand shall be feed from surface bunker to the working faces through HDPE pipe 4” diameter laid in winze. Bamboo mats and hassion cloth shall be used for barricading purpose.
- 2” weep holes shall be left in crosscut concrete lining to drain out the water of sand stowing and to release the hydro static pressure.
- Sand, Tailing waste, fly ash and/or Slag will be used for stowing purpose.

VENTILATION PLAN

Natural ventilation will be established in all the workings from Vertical Shaft and Incline. During Conceptual period when stoping operation is undertaken, the maximum depth of working may be around 100m (Surface-350MRL, Deepest level of workings-250MRL) & extent of workings is also within 300m range from NE to SW ML boundary. Man and Machineries requirement is expected to be moderate in view of the

moderate level of production. Total man power to be deployed in underground in a shift is not likely to exceed 80 no.

Intake air

1. Vertical Shaft
2. Incline

Return air

Winze

Ventilation planning

Steps in ventilation planning

CO₂-----0.4-0.5% by volume for u/g mine air.

O₂-----19-20% by volume of u/g mine air.

N₂-----78% by volume of u/g mine air.

Humidity

Wet bulb temperature not exceeding 33.5°C & dry bulb temperature not exceeding 30.5°C. Arrangement are made to ventilate the same with a current of air moving at a speed of not less than 1m/s.

Calculation of Air Quantity

To supply the fresh air in adequate quantity to the working places in order to achieve and keep the standard of ventilation maintained at every time in mine. It is necessary to calculate the quantity of air on the basis of Breathable air-0.5 m³/min/man when % of carbon dioxides not more than 0.5% in fresh air

O₂%-----19% in fresh air

To get the planned production and development requirement of man power 80 man/shift.

Quantity of air required = $80 \times 0.5 \text{ m}^3/\text{min} = 40 \text{ m}^3/\text{min}$ maximum

On the basis of dilution of various gas as produce due to blasting .In solid blasting ,ANFO based explosive produce noxious gas=800-900 liters/kg of explosive.

For planned production level maximum of explosive used in u/g mine/shift= 2 (face) x 7Kg/face = 14.00 kg explosive

Total quantity of noxious gas produced in a shift

$$= 14 \times 800 = 11200 \text{ liter}/1000 = 11.20 \text{ m}^3$$

$$\text{Volume of mixing zone } V_m = 2.4 \times 2.0 \times 8 = 38.4 \text{ m}^3$$

Assuming length of mixing zone=15 m for development needing, and length of mixing zone in stope=10 m

For one face of blast

$$Q = 2.3 V_m/t \log (CO/CP) + (V - V_m/t) \text{ m}^3/\text{min}$$

Where V_m = Volume of mixing zone (m^3)

V = Volume of nitrous fume = 0.8 to 0.9 m^3/kg

CO = initial concentration of nitrous fume

$$= V/VM = (0.8 \times 9.45 \text{ (Kg of explosive)})/38.4 \times 100 = 19.69\%$$

At $t = 0$, $V = V_m$ (Initial condition)

$t = 30$ min (time required to clean the gas)

$$Q = 2.3 V_m/t \times \log CO/CP + (V - V_m/t) \text{ m}^3/\text{min}$$

$$= 2.3 V_m/t \times \log CO/CP \text{ m}^3/\text{min} = 2.3 \times 38.4(\text{m}^3)/30(\text{m}^3) \times \log(19.69/0.005)$$

$$= 2.3 \times 1.28 \times 3.60 = 10.60 \text{ m}^3/\text{min} \text{ For 2 faces of blasting} = 2 \times 10.60 \text{ m}^3/\text{min} = 21.20 \text{ m}^3/\text{min}$$

Air leakage depends on no. of stopping, no. of door, air crossing, pit top and pit bottom of every shaft, 2.3 when shaft is used as man winding. On the whole at least 40-50% of air circulated by fan is leaked. So this parameter must be considered during selection of size of fan.

Air quantity requirement = @ 6 $\text{m}^3/\text{min}/\text{head}$, total air quantity = 480 M^3/min = say, 500 M^3/min .

Including leakages and other losses, Gross total air quantity required may be around 800 M^3/Min .

Total Air pressure at fan- drift = 100 mm w-g.

It is proposed to use Incline Shaft as INTAKE air way and Vertical shaft no.1 as RETURN air way

Fan Detail: U/G workings are yet to be commenced. It is essential to estimate the duty required of the fan during its working life before the choice of a particular type can be decided. Values must be allotted to (a) the quantity of air passed by the fan and (b) the maximum water gauge to be developed by the fan. However, where ventilating pressure is expected to be less than 10 inches W-G, the Axial –Flow fan will be preferred.

During presentation, PP submitted that necessary provisions are made for ventilation and illumination as per norms and also protection against subsidence along with sand stowing. In case of any emergency rescue plan is also prepared as per the prevailing norms. During presentation PP informed that they have obtained certified compliance report of earlier EC conditions from MoEF&CC which is issued vide letter dated 18/07/19. After presentation and discussion the committee asked to the PP to submit following information:

1. Undertaking that no R&R is pending in the proposed mining project.
2. Necessary correction in the Hindi version of the public hearing minutes as pointed out during presentation.
3. Commitment for no transportation during school time.

PP vide letter dated 13/08/2020 has submitted the reply of above queries with relevant annexure as follows which was placed before the committee:

The reply submitted by PP was found satisfactory and acceptable and the EIA/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 Environment Clearance for Expansion of Manganese Ore Mine in an area of 14.90 ha. (10,000 tonne per annum to 60,000 tonne per annum) (Khasra No. 1, 2, 3, 4, 9, 10, 11), W.O. 136, 137, 138 Village - Pandharwani, Tehsil - Khairlanji, Dist. Balaghat (MP).subject to the following special conditions:

I. Statutory compliance:

- I. This Environmental Clearance (EC) is subject to orders/judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any Court of Law, Common Cause Conditions as may be applicable.
- II. The project proponent complies with all the statutory requirements and Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.
- III. The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgments of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.
- IV. Project Proponent (PP) shall obtain Consent to Operate after grant of EC and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining Consent to Establish/Consent to Operate from the concerned State Pollution Control Board/Committee.
- V. The PP shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Department & Regulation, Act, 2015 and rules & regulations made there under PP shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines from time to time.
- VI. The Project Proponent shall obtain consents from all the concerned land owners, before start of mining operations, as per the provisions of MMDR Act, 1957 and rules made there under in respect of lands which are not owned by it.
- VII. 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" .

- VIII. The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of ground water/ if GW intersection is proposed for the project.
- IX. State Pollution Control Board/Committee shall be responsible for display of the EC letter at its Regional Office, District Industries Centre and Collector's office/Tehsildar's Office for 30 days.
- X. The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership of mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provision of the Para-11 of EIA Notification, 2006 as amended from time to time.
- XI. In case of sand stowing with tailings, lechate study shall be carried out and same shall be executed only after approval from the MP Pollution Control Board. PP shall also explore the possibility of using inert materials such as fly ash/ceramic waste after proper scientific study.

II. Air quality monitoring and preservation

- I. The Project Proponent shall install a minimum of 3 (three) Ambient Air Quality Monitoring Stations with 1 (One) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz, PM₁₀, PM_{2.5}, NO₂, CO and SO₂ etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I, dated 18/11/2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building. Canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in from of the main Gate of the mine sit.
- II. Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc) shall be carried out in areas prone to air pollution wherein high levels of pM₁₀ and PM_{2.5} are evident such as haul road. Loading and unloading point and transfer points. The Fugitive dust emissions from all

sources shall be regularly controlled by installation of required equipments/machineries and preventive maintenance. Use of suitable water soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/Central Pollution Control Board.

III. Water quality monitoring and preservation

- I. In case immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
- II. Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintained. The natural water bodies and or streams which are flowing in and around the village, should not be disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug well located in village should be incorporated to ascertain the impact of mining over ground water table. The Report on changes in Ground Water level and quality shall be submitted on six-monthly basis to the Regional office of the Ministry, CGWA and State Groundwater Department/State Pollution Control Board.
- III. Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority /State Ground Water Department. The Report on changes in ground water level and quality shall be submitted on six-monthly basis to the Regional Office of

the Ministry, CGWA and State Groundwater Department/State Pollution Control Board.

- IV. The project Proponent shall undertake regular monitoring of natural water course/water resources/springs and perennial nallahs existing/flowing in and around the mine lease and maintain its records. The project proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-à-vis suitability of usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/bodies existing in lease area shall be carried out four times in a year viz. pre-monsoon (April-May), monsoon (August) post monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environmental. Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Ground Water Board. State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six monthly basis.
- V. Quality of pollution water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J-20012/1/2006-IA.II(M) dated 27/5/2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard
- VI. Project Proponent shall plan develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water/State Groundwater Department.

A report on amount of water recharged needs to be submitted to Regional office MoEFCC annually.

- VII. Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.
- VIII. The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.

IV. Noise and Vibration monitoring and preservation

- I. The peak particle velocity at 500 m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
- II. The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operation. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed, by orienting the floodlights/masks away from the villagers and keeping the noise levels well within the prescribed limits for day/night hours.
- III. The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM etc. should be provided with ear plugs/muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/personals/laborers are working without personal protective equipment.

V. Mining plan

- I. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc. NO change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz, method of mining, overburden & dump management, O.B. & dump mining, mineral transportation mode, ultimate depth of mining etc) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form to Short Term Permit (STP), Query license or any other name.
- II. The Project Proponent shall get the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines/Department of Mining & Geology as required under the provision of the MMDR Act, 1957 and Rules/Guidelines made there under. A copy of approved final mine closure plan shall be submitted within 2 months of the approval of the same from the competent authority to the concerned Regional Office of the Ministry of Environment, Forest and Climate Change for record and verification.
- III. The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.

VI. Land Reclamation

- I. The Overburden (O.B.) generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by D.G.M.S. w.r.t safety

in mining operations shall be strictly adhered to maintain the stability of top soil/OB dumps. The topsoil shall be used for land reclamation and plantation.

- II. The reject/waste generated during the mining operations shall be staked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
- III. The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum progressive Mine Closure Plan.
- IV. The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface runoff. The selection of local species regulates local climate parameters and help in adaptation of plan species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dump. The dump mass should be consolidated with the help of dozer/compactors thereby ensuring proper filling/leveling of dump mass. In critical areas, use of geo- textiles/ geo-membranes/clay liners/Bentonite etc. shall be undertaken for stabilization of the dump.
- V. The Project Proponent shall carry out slope stability study in case the dump height is more than 30 meters. The slop stability report shall be submitted to concerned regional office of MoEF&CC
- VI. Garland drain , Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/River/Pond etc). The collected water should be utilized for watering the mine area roads, green belt development, plantation etc. The drain /sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season and maintained properly.
- VII. The run-off generated from the temporary dumps of discards and related haulage will be collected through garland drains and further de-siltation will be carried through the run-off management, which comprises of de-silting pits. The size of the drain will be as-

Details of existing and proposed garland drain		
Garland drain no.	Location of Garland drain	Size mL X mW X mD
Existing garland drain		
EGD_1	Along the pit (North direction)	235.0 X 0.25X 0.50
EGD_2	OB Dump	800.0 X 0.25X 0.50
EGD_3	Along the haul road	437.0 X 0.10X 0.25
EGD_4	Along the pit (eastern direction)	348.0 X 0.25X 0.50
EGD_5	Along the Haul road	200.0 X 0.10X 0.25
EGD_6	Along the Magazine	200.0 X 0.25X 0.50
Proposed garland drain		
PGD-1	OB dump-1	1000x 0.25 x 0.50
PGD_2	Along the pit (southern direction)	500.0 X 0.25X 0.50
PGD_3	Along the pit (east direction)	275.0 X 0.25X 0.50

- VIII. 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.
- IX. It is proposed to make 8 number of settling pits within the garland drain and proposed to connect drains to large settling tanks through these pits to avoid silt discharge from open ended drain. The size of the drain will be as-

Details of proposed settling pit		
Identified Drain with No.	No. of Settling Pit	Size of Settling Pit (M) L X W X D
Existing settling pit		

EGD_2	ESP_1	0.5 x 0.35 x 0.5
Proposed settling pits		
EGD_2	PSP_1	0.5x0.35x0.5
EGD_2	PSP_2	0.5x0.35x0.5
EGD_2 & PGD_1	PSP_3	0.5x0.35x0.5
PGD_1	PSP_4	0.5x0.35x0.5
PGD_1	PSP_5	0.5x0.35x0.5
PGD_2	PSP_6	0.5x0.35x0.5
EGD_4	PSP_7	0.5x0.35x0.5
EGD_4	PSP_8	0.5x0.35x0.5

- X. There is 01 water body cum settling tank and two other settling tanks have been reported in lease area. The de-silted water will be drained to nalla or may be provided for agricultural purposes after ensuring it's quality. 02 number of settling tanks will be proposed in western part of lease area. Details has been given in below –

Details of existing and proposed settling Tank		
Settling tank no.	Location	Size
Existing settling tank		
EST_1	Exiting pit	1.50ha x 10m
EST_2	South part of lease area	0.50ha x 5m
EST_3	Near mine office	10mL x 10mW x 2m D
Proposed settling tank		
PST_1	EGD_2_along the dump	10.0L x 5.0W x 5.0D
PST_2	EGD_2_along the dump	10.0L x 5.0W x 5.0D

- XI. Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments of sediments/silt material. The sedimentation pits/sumps shall be constructed at the corners of the garland drains.
- XII. The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long. The physical parameters of the top soil dumps like height, width and angle of slope shall be governed as per the approved Mining Plan and as per the guidelines framed by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of dumps. The topsoil shall be used for land reclamation and plantation purpose.
- XIII. The existing and proposed land use plan of the mine is as follows:

Items	Existing	SOM period (5years)	Conceptual Period
Total lease area	14.90 ha		
Ultimate depth of mining	50m bgl	Upto 265mRL	Up to 240mRL (Underground)
Ultimate pit slope	60 degree	60 degree	60 degree
Area under dumps	0.2850 ha	0.40ha	Nil
Area under sub grade dump	0.1792ha	0.1792ha	Nil
Area under pits	4.97ha	4.97ha	4.97 ha
Area to be reclaimed	Nil	1.00ha	2.2252 ha
Infrastructure & Road	1.50ha	1.50ha	1.50ha
Mineral storage	0.2950 ha	0.328ha	Nil

Plantation	0.27 ha	2.00ha	7.2252 ha
Water body	1.2 ha	1.20ha	2.0 ha

VII. Transportation

- I. No Transportation of the minerals is allowed from the road passing through villages/habitations. PP shall construct a ‘bypass’ road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling with also be done regularly. Vehicular emission shall be kept under control and regularly monitored. Project should obtain Pollution under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.
- II. The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

VIII. Green Belt

- I. 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 11,380 (5.98ha +350m (road side) trees shall be planted in barrier zone, backfilled area and along the transportation route.
- II. The Project Proponent shall develop greenbelt in 7.5 m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of green belt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.
- III. The Project Proponent shall carryout plantation/afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc by planting the native species in consultation with the State Forest Department/Agriculture Department/Rural development department/Tribal Welfare Department/Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 samplings per Hectare. Adequate budgetary provision shall be made for protection and care of tree.
- IV. The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun should be scrupulously guarded/protected against felling the plantation of such trees should be promoted.
- V. The project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation a Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be taken for conservation

of flora and fauna. The Plan shall be approved by Chief Wild Life Warden of the State Govt.

- VI. And implemented in consultation with the State Forest and Wildlife Department. A copy of Wildlife Conservation Plan and its implementation status (annual) shall be submitted to the Regional Office of the Ministry.

IX. Public hearing and human health issues

- I. The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintained properly. PP shall also carryout Occupational health check-ups in respect of workers which are having ailments like BP, diabetes, habitual smoking etc. The check-ups shall be undertaken once in six months and necessary remedial/preventive measures be taken. A status report on the same may be sent to MoEFCC Regional Office and DGMS on half-yearly basis.
- II. The Project Proponent must demonstrate commitment to work towards 'Zero Harm' from their mining activities and carry out Health Risk Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the HRA. The HRA for neighborhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV. Anaemia, Diarrhoea in children under five, respiratory infections due to bio mass cooking.
- III. The proponent shall also create awareness and educate the nearby community and workers for sanitation, Personal Hygiene etc. The Proponent shall carryout base line HRA for all the category of workers and thereafter every five years.
- IV. The Proponent shall carry out Occupational health surveillance which be a part of HRA and include Biological Monitoring where practical and feasible, and the test and investigations relevant to the exposure (e.g. for Dust a X-Ray chest; For Noise investigations relevant to the exposure Blood Lead, For Welders Full Ophthalmologic Assessment; for Manganese Miners a

complete Neurological Assessment by a Certified Neurologist and Manganese (Mn) Estimation in Blood; For Inorganic Chromium-Fortnightly skin inspection of hands and forearms by a responsible person Except routine tests all test would be carried out in a Lab accredited by NABH. Records of Health Surveillance must be kept for 30 years, including the results of and the records of Physical examination and tests. The record of exposure due to materials like Asbestos. Hard Rock Mining, Silica, Gold, Kaolin, Aluminum Iron, Manganese, Chromium, Lead, Uranium need to be handed over to the Mining Department of the State in case the life of the mine is less than 30 years. It would be obligatory for the State Mines Departments to make arrangements for the safe and secure storage of the records including X-Ray, Only conventional X-Ray will be accepted for record purpose and not the digital one) X-ray must meet ILO criteria (17 x 14 inches and of good quality) [for Manganese Miners only]

- V. The Proponent shall maintained a record of performance indicators for workers which includes (a) there should not be a significant decline in their Body Mass index and it should stay between 18.5 – 24.9 (b) the Final Chest X-Ray compared with the base line X-Ray should not show any capacities (c) At the end of their leaving job there should be no diminution in their Lung Functions Forced Expiratory Volume in one second (FEVI). Forced Vital Capacity (FVC) and the ratio) unless they are smokers which has to be adjusted and the effect of age (d) their hearing should not be affected. As a proof an Audiogram (first and last need to be presented) (e) they should not have developed any Persistent Back Pain. Neck pain and the movement of their hip Knee and other Joints should have normal range of movement (f) they should not have suffered loss of any body part. The record of the same should be submitted to the Regional Office, MoEFCC annually along with details of the relief and compensation paid to workers having above indications.
- VI. The Project Proponent shall ensure that Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- VII. The Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/facilities like fuel for

cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.

- VIII. The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing shall be completed as per the budgetary provisions mentioned in the Action Plan and within the stipulated time frame. The Status Report on implementation of Action Plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration.

X. Corporate Environment Responsibility (CER)

- I. The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O.M. No. 22-65/2017-IA.II(M) dated 01/5/2018 or as proposed by SEAC should be kept in a separate bank account. The activities proposed for CER shall be implemented in a time bound manner and annual and annual report of implementation of the same along with documentary proof viz. photography's. Purchase documents, latitude & longitude of infrastructure developed & road constructed needs to be submitted to Regional Office MoEF&CC annually along with audited statement.
- II. Project Proponent shall keep the funds earmarked for environmental protection measures in a separate count and refrain from diverting the same for other purpose. The Year wise expenditure of such funds should be reported to the MoEFCC and its concerned Regional Office.
- III. For Environment Management Plan PP has proposed Rs. 54.60Lakhs as capital and Rs. 19.14Lakhs as recurring cost for this project.
- IV. For this project PP has proposed Rs 14.00 Lakhs as Corporate Environment Responsibility (CER) for remaining project component.

XI. Miscellaneous

- I. The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEFCC.

- II. The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- III. The project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MoEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.
- IV. A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientist and Minig Engineers shall be appointed and submit a report to RO, MoEFCC.
- V. The concerned Regional Office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer(s) by furnishing the requisite data/information/monitoring report.

17. Case No 7412/2020 M/s Rini Life Science Pvt. Ltd, Mr. Ankit Kumar Chordia, HPA, 120 MT Cloth Market, Mahaveer Chowk, Dist. indore, MP – 452002 Prior Environment Clearance for Expansion in Production Capacity from 15 MTA to 600 MTA of Synthetic Organic Chemical (API and Pharmaceutical Intermediates Products) at R.R. Industrial Area, Behind Shivna Spinners, Tehsil - Sanwer, Dist. Indore (MP) Category: 5(f) Synthetic Organic Chemicals Project. Env. Con. — Creative Enviro Services, Bhopal (M.P.).

This is a case Prior Environment Clearance for Expansion in Production Capacity from 15 MTA to 600 MTA of Synthetic Organic Chemical (API and Pharmaceutical Intermediates Products) at R.R. Industrial Area, Behind Shivna Spinners, Tehsil - Sanwer, Dist. - Indore (M.P.). The proposed project falls under item no 5(f) i.e. Synthetic organic chemicals hence requires prior EC from SEIAA before initiation of activity at site.

This case was presented by PP and their consultant wherein PP has submitted following salient features of the project:

Salient Feature of Project

- M/s RLSPL has proposed to increase the manufacturing capacity of Bulk Drugs & Intermediates (API) with annual capacity of 585 MT. The existing capacity is 15 TPA. The total capacity after expansion will be 600 MTPA. The nature of the project falls under synthetic organic chemicals category.
- The unit will manufacture bulk drug and drug intermediates for 600 TPA. The project occupies a plot Area of 8425.17m² sq mt of land. The total fixed cost of the project is estimated as INR 7.5 Crore.
- The major facilities involved are Boiler, MEE, Reactors, Cooling Towers, Effluent Treatment Plant (ETP), and R.O Plant Facilities like administrative office, parking and greenbelt/plantation will also be developed as per plan/requirement.
- The total water requirement for the project is approx. 110 KLD which will be sourced through water supplier., whereas after recycling and reuse total fresh water requirement will be 60 KLD. Total waste water generation will be 60 KL/day, which will be and treated in ETP of 75 KLD.
- RLSPL will install Multi Effective Evaporator, and RO pplant with treatment capacity of 5cum/hr of each. The treated water will be used for cooling towers, floor washing and gardening/green belt.
- Solid waste generated during the manufacturing process and wastewater treatment process is mainly sludge and will be disposed at authorized TSDF facility, as per Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2008 (Amendment 2016). M/s RLSPL will take authorization Under Hazardous Waste (Management, Handling & Transboundary Movement), Rules.
- Power will be sourced from existing line of 'Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company'. The total requirement will be 1600 KVA. In case of power failure, D.G. set (existing 125 KVA and proposed 500 KVA) will be used as a backup power source.
- The M/s RLSPL will have total manpower of approx. 200 who will be from Pithampur and nearby villages/area and therefore no residential planning has been incorporated..
- The total estimated cost of the proposed project Rs. 7.5 Crore out of which . Rs. 97.80 Lacs (capital cost) is allocated for environmental management systems and the annual recurring cost for the same is Rs 16.80+35 Lacs .

Salient Features		
S.N.	Component	Status
1	Name	M/s. Rini Life Science Pvt. Ltd.
2	Location	R.R. Industrial Area, Behind Shivna Spinners, Tehsil. Sanwer, Distt. Indore -452 015 (MP)
3	Product type	Active Pharmaceutical Ingredients (APIs)
4	Project Type	Expansion

5	Schedule / Project Activity No. - as per EIA notification	5 (f) Synthetic Organic Chemicals As per EIA Notification 2006, and Amendments thereof. \vide S.O. 1223 (E), dated 27/03/2020, API Products shall be appraised as "Category - B2”		
6	Category of Project	MSME		
7	Area Details in Sq Meter			
i	Total Plot Area	8425.17m ²		
ii	Built up Area	3373.02 m ²		
iii	Green belt Area	2,780 m ² (approx. 33 % land area)		
8	Production Details			
i	Production Capacity	Production Capacity of API & Pharmaceutical Intermediates, Existing: 15 MT/Anum Proposed: 585 MT/Anum Total after expansion: 600 MT/Annum		
9	Budgetary Allocation			
i	Project Cast	7.5 Crores in primary phase		
ii	EMP Cast			
	Capital cost	97.80 Lacs	for EMS viz. ETP, MEE, APCM etc	
	Annual recurring cost	16.80 Lacs		
ii	Annual re-occurring cost	35 Lacs		for EMS - O&M and monitoring etc
iii	CER Activities	7.5 Lacs		
10	Power Requirement			
i	Proposed Connected Load(KW)			
ii	Total Power Requirement	1600kva		
iii	Source	MPEB		
11	Fuel Requirement			
A	Existing			
i	Agro Waste for Boilers (0.65 TPH)	30 kg/hr		
ii	HSD for DG Set (125 kVA) *	24 lit./hour		
B	Proposed			
i	Briquette/Coal for Boilers (2 TPH)	6 T/day		
ii	Briquette/Coal for Boiler (1.5 TPH)	4 T/day		
iii	HSD For DG Set (500 kVA) *	96lit/hour		
12	DG Set Details			
i	DG Set (1No.)- Existing	125 kVA		

ii	D.G. Set (1No.)- Proposed	500KVA	
13	Utility Capacity		
		Capacity	Type of fuel
i	Exiting Steam Boiler	0.65 TPH	Agro Waste
ii	Proposed Steam Boiler	2.0 TPH	Briquette/Coal
iii	Proposed Steam Boiler	1.5 TPH	Briquette/Coal
14	Scrubber Details		
i	Acid scrubber	1200 CMH	
ii	Alkali Scrubber	1200 CMH	

List of Products

Existing Products & Production Capacity			
S.N.	Name of Existing Products	Quantity* (MT/Anum)	Major Uses/ End Use
A	Anti-Diabetic Drug		
	Glipizide		Anti-diabetic
	Alendronate sodium		Osteoporosis
	Ketamine HCl		Anesthetic drug
	Glimepiride		Anti-Diabetic
	GRAND TOTAL	15	

❖ Proposed Products & Production Capacity			
S.N.	Name of Proposed Product	Quantity** (MT/Anum)	Major Uses/ End Use
(A)	Anti-Diabetic Drug		
1	Alogliptin and Intermediates		Anti-diabetic drug
2	Canagliflozin		Treatment of diabetes
3	Empagliflozine		Treatment of type 2 diabetes
4	Gliclazide		Treatment of type 2 diabetes
5	Glimepiride and Intermediate		Anti-diabetic
6	Vildagliptin and intermediate		Antidiabetic agent
7	Sitagliptin		Antihyperglycemic
8	Saxagliptin		Hypoglycaemic
9	Teneligliptin		Antidiabetic agent
10	Calcium dobesilate		Diabetic retinopathy&haemorrhoids
11	Dapagliflozin		Blood sugar treatment
	Sub-Total	160	
(B)			

1	Rosuvastatin calcium		Treatment of Hypertension
2	Chlorzoxazone		Skeletal muscle Relaxant
3	Mefenemic acid		Anti-inflammatory
4	Levetiracetam		Anti-hypertensive
	Sub-Total	360	
(C)			
1	Azilsartan and Intermediate		Cardiovascular disease.
2	Chlorthalidone and intermediate		High blood pressure and enema
3	Benidipine hydrochloride		Antihypertensive
4	Cilnidipine		Antihypertensive
5	Finofibrate		Antihypertensive
6	Torsemide		High Blood Pressure
7	Perindopril		High Blood Pressure
8	Betoxolol and Intermediate		Antihistamine
9	Lercanidipine		Respiratory disease
10	Olmesartan		Bronchodilator
11	Acebrophylline		Respiratory disease
12	Ambroxol Hydrochloride		Antihistamine
13	Voriconazole		Antifungal
14	Levocetirizine		Antihistamine
15	Montelukast		Allergic, Asthma
16	Baclofen		Muscle Relaxant
17	Roflumilast		Anti-inflammatory
18	Meloxicam		Anti-inflammatory
19	Famotidine		Treat peptic ulcer disease,
20	Nitrofurantoin		Anti-bacterial
21	Nitrofurazone		Anti-bacterial
22	Moxifloxacin		Antibiotic
23	Nitazoxanide		Antiparasitic
24	Alendronate sodium		Osteoporosis
25	Allopurinol and intermediate		Treat gout
26	Apixaban and intermediate		Anticoagulant
27	Aprepitant and intermediate		Vomiting
28	Bisacodyl		Laxative
29	Dabigartan and intermediate		Anticoagulant
30	Diacerin and intermediate		Osteoarthritis
31	Luliconazole		Antifungal
32	Fabuxostat		Treat gout
33	Silver Sulfadiazine		Topical Anti-bacterial
34	Tadalafil and intermediate		Erectile dysfunction
35	Trenexamic acid and intermediate		Excessive blood loss
36	Bepotestine hydrochloride/besilate		Allergic
37	Quetiapine hemifumarate		Antipsychotic
38	Brinzolamide		Glaucoma
39	Phenylephrine Hydrochloride		Relieves a stuffy nose
40	Sodium Picosulpahte		Laxative
41	Levosulpride		Antipsychotic

42	Dorzolamide & Intermediates		Glaucoma
43	Remdesivir		Antiviral (covid-19)
	Sub-Total	60	
(D)			
1	Adapelene and its Intermediate		Treatment of acne
2	Glycopyrrolate		Anticholinergic
3	Granisetron		Antiemetic
4	Tamsulosin hydrochloride		Prostatic hyperplasia
5	Ticagrelor and intermediate		Antagonist
6	Thyroxine sodium		Treat thyroid hormone deficiency
7	Voglibose		Diabetes
8	Melatonin		Trouble sleeping
9	Rupatidine		Antagonist
10	Fingolimod		Immunomodulating drug
11	R&D Product		NA
	Sub-Total	20	
	Total Finished product	600	

	By-product /Non-EC product		
S.N.	Name of Proposed By-product /Non-EC product	Quantity (MT/Anum)	Major Uses/ end uses
(E)	By-product /Non-EC product		
E1	Potassium bicarbonate	26	Various chemical manufacturing unit/ unit/ other actual end users***
	Hydrochloric acid		
E2	Ammonium chloride	147	
	Ammonium sulphate		
E3	Acetic Acid	9.0	
	Chromium sulphate		
E4	Sodium Bromide	9.0	
	Imidazole		
E5	Triethylamine hydrochloride	9.0	
	Sub- total	200 TPA	

- The total water requirement is about 100 to 110 KLD and waste water generated from the plant will be about 52 to 63 KLD. Out of this about 35 to 42 KLD will be HTDS from Process, Boiler blow down & Scrubber System and 17 to 21 KLD LTDS from Process, Washings, R&D, QC & Cooling towers and from Domestic/ Sewage will be collected by gravity from all sources into separate collection tanks.
- HTDS Effluent will be sent to Multiple Effect Evaporator (MEE) with Stripper column followed by Agitated Thin Film Dryer (ATFD). The Condensate from MEE & LTDS Effluents will be sent to Biological ETP.
- After Pretreatment effluent will be sent to RO System. After RO Treatment, permeate will be reused for Cooling Towers makeup and rejection will be back to the MEE System. The MEE Salts generation from ATFD, which will be collected and sent to TSDF.

- As per process flow diagram, the waste water generated from different units will be collected in a separate collection tanks (LTDS, HTDS, Domestic waste water).
- The water from LTDS collection tank will be pumped into flash mixer for physio-chemical treatment, the overflow from flash mixer is passed into Primary Clarifier for sedimentation, the overflow from Primary Clarifier will be passed into Aeration Tank for biological treatment, the domestic waste water is pumped into aeration tank for treatment & the condensate (after recovery) from Stripper, Multiple Effect Evaporator will also be transferred to Aeration Tank for further treatment.
- The biological treated water is given tertiary treatment and then passed into Reverse Osmosis System
- Total Industrial Effluent will consist of High COD/TDS & low COD/TDS stream.
- The High COD/TDS process effluent (8 KLD) and RO Reject (7 KLD) will be treated through MEE/ ATFD. The MEE condensates to the tune of 13 KLD will be recycled/ reused and MEE bottom will be sent to TSDF site
- The Low COD/TDS effluent, [consisting, process effluent (22 KLD), Utility blow down (5 KLD), washing (4 KLD), From Other (Scrubber + Softener/ MEE/DM Plant + R&D/QC/RO1) : $1+2+1+7=11 + 2^*= (13 \text{ KLD})$] will be treated in an on-site ETP followed by RO system.
- The treated effluent ($35+2=37$ KLD) will be reused/ recycled and the RO reject (7 KLD) will be sent MEE/ATFD as stated above. Total recycled water 50 KL.

During discussion committee asked PP regarding compliance of earlier EC conditions for which PP submitted that this unit was established prior inactment of EIA Notification, 2006 and was operation on the basis of consent from the M. P. Pollution Control Board. It was further discussed that Hydrochloric acid and Acetic Acid which are mentioned as by- products are actually intermediate products and will be reused in the process within the plant premises. The water supply is proposed through tankers for which PP submitted that at present water demand will be meeting through tankers but in near future, water supply is proposed through Narmada water supply and whenever, this water is available, we shall shift to that. After presentation, PP was asked to submit of following details:

1. Regarding end use of by product i.e. Hydrochloric Acid and Acetic Acid.
2. Regarding use of briquette coal in the boiler.

PP vide letter dated 13.08.2020 submitted reply of the above query. The query reply was placed before the committee, after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Expansion in Production Capacity from 15 MTA to 600 MTA of Synthetic Organic Chemical (API and Pharmaceutical Intermediates Products) at R.R.

Industrial Area, Behind Shivna Spinners, Tehsil - Sanwer, Dist. Indore (MP)
Category: 5(f) Synthetic Organic Chemicals Project ,subject to the following special conditions:

(A) Statutory compliance:

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

(B) Air quality monitoring and preservation

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to MPPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
3. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions from the

boiler, DG set and scrubber shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

4. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
5. The DG sets (1X125 KVA-existing, 1 X 500 KVA-Proposed) shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
6. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
7. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

(C) Water quality monitoring and preservation

1. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
2. As already committed by the project proponent Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
3. The High COD/TDS process effluent (8 KLD) and RO Reject (7 KLD) will be treated through MEE/ ATFD. The MEE condensates to the tune of 13 KLD will be recycled/ reused and MEE bottom will be sent to TSDF site
4. The Low COD/TDS effluent, [consisting, process effluent (22 KLD), Utility blow down (5 KLD), washing (4 KLD), From Other (Scrubber + Softener/ MEE/DM Plant + R&D/QC/RO1): $1+2+1+7=11 + 2^*= (13 \text{ KLD})$] will be treated in an on-site ETP followed by RO system.
5. The treated effluent ($35+2=37 \text{ KLD}$) will be reused/ recycled and the RO reject (7 KLD) will be sent MEE/ATFD as stated above. Total recycled water 50 KLD
6. Adhere to 'Zero Liquid Discharge and No industrial effluent from the unit shall be discharged outside the plant premises. PP should also

install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.

7. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the Madhya Pradesh Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
8. Total fresh water requirement shall not exceed 60 KLD and tanker water supply shall be used till the Narmada water supply will be available. .
9. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
10. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
11. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

(D) Noise monitoring and prevention

1. Acoustic enclosure shall be provided to DG (125 KVA and 500 KVA) set for controlling the noise pollution.
2. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
3. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

(E) Energy Conservation measures

1. The energy sources for lighting purposes shall preferably be LED based.
2. The total power requirements for project will be 1600 KVA . The power will be supplied by Madhya Pradesh Electricity Board. Furnace Oil Consumption 96lit/hours, whereas the coal consumption will be 10 TPD for both boiler of 2 TPH and 1.5 TPH. (Source Indigeneous)

(F) Waste management

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

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

(G) Green Belt

1. The green belt of 5-10 m width shall be developed 2780 sq. meter within plant and 600 along the road in the project area, mainly along the plant periphery, in downward wind direction and along road sides etc. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department.
2. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of

species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed 600 no of plants in one year's shall be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

(H) Safety, Public hearing and Human health issues

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
3. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
4. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
5. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
6. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
7. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

(I) Corporate Environment Responsibility

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
5. The proposed EMP cost is Rs. 97.80 Lakhs as capital and 16.80+35 Lakhs /year as recurring cost.
6. Under CER activity, Rs. 7.5 Lakhs as capital costs has proposed for different activities. PP shall comply with the commitment of providing infrastructure facility at school.
7. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

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

(J) Miscellaneous

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

18. Case No. – 5790/2018 M/s. MSD Developers, Plot No. 8, PU-4 Commercial Sch. No. 54, AB Road, Indore, MP – 452001 Prior Environment Clearance for Construction of Proposed "SHIVOM" Commercial and Residential Building (Total Plot Area = 9290.30 sqm., Total Proposed Built-up Area = 25885 sqm) at Plot No. 578, Village - MG Road, Tehsil - Indore & Dist. Indore, MP.

Earlier this case was scheduled for presentation and discussion in 333rd SEAC meeting dated 29/11/2018 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 04/08/20 which was forwarded through SEIAA vide letter no. 2011 dated 07/08/2020, which was placed before the committee.

The EIA was presented by the PP and their consultant with site specific details as are given below:

The chronology of the project:

1. Master Plan approved by Directorate of Town and Country Planning, Madhya Pradesh on dated 28.06.2014.
2. Construction was started on Feb 2015.

Type of dwelling Units	Total Unit Proposed	Possession given	Unit Incomplete	Unit Completed
Flats units	120	120	00	120
Shops/Office	80	80	00	80

Proposal submitted to SEIAA	EDS by SEIAA	Submission of EDS	Accepted by SEIAA	Hardcopy submission	SEAC Agenda
03/08/2017	16/04/2018 17/05/2019	15/05/2019 03/01/2020	30/01/2020	03/02/2020	433 rd SEAC meeting dated 19/05/2020

PP further stated that 100 % construction have been done and possession given to 120 Flats units and 80 Shops/Office. During EIA presentation it was observed by the committee that PP has proposed Rs. 17,22,950.00 as cost of

remediation and natural community resource augmentation plan. Following is the remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation:

PP presented the following Remedial Plan/Augmentation Plan as :

S. N o.	Envir onmental Factors/At tribut es	Remedial Plan/Augm entation Plan	Remedial Cost (in INR)		Environme ntal Manageme nt Plan	EMP Cost (in INR)/year		Remark	
			Capital Cost	Recurring Cost		Capital Cost	Recurring Cost		
1	Land use as per approved Master plan by T&CP, Bhopal								
	Const ruction Phase	No Violation				--	--	--	Land use of the project site was Resident ial as per Indore Master Plan 2005 attached Annexur e - II
	Oper ation Phase	No Violation				--	--	--	
2	Environmental Sensitive places, land acquisition status, resettlement & rehabilitation (R&R)								
	Const ruction Phase	No Violation				--	--	--	Project involves no R&R issues. The Project is on joint Venture. Joint Venture Papers are attached
	Oper ation Phase	No Violation				--	--	--	

									Annexure III
3	Baseline Environment Monitoring								
	Construction Phase	For monitoring of air, water, soil & noise every six month for period of two years 1. Water: 4 GW sample @ 5000/sample 2. Air: 4 Sample @ 5000/sample, DG 2 sample @ 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set 2 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample	1,68,000		For monitoring of air, water, soil & noise every six month 1. Water : 4 GW sample @ 5000/sample 2. Air: 4 Sample @ 5000/sample, 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set 2 sample	NA		No environment monitoring was done at site on initial starting of the project since the project began in 2013. Hence 2013-14, 2014-15, 2015-16, 2016-17, 2017-18& 2019-2020. This is remediation plan is of 5 years. The Remediation plan of Rs.	

					e @ 1000/ sampl e			3,78,00 0 will be spent inside the project premise s or outside the premise s of the project in
					4. Soil: 2 sampl e @ 4000/ sampl e			Plantati on/Env Monitor ing
	Oper ation Phase	<p>For monitoring of air, water, soil & noise every six month for period of five years</p> <p>1. Water: 2 GW sample @ 5000/samp le</p> <p>2. Air: 2 Sample @ 5000/samp le,</p> <p>3. Noise: 2 sample @ 1000/samp le, DG set 1 sample @ 1000/samp le</p> <p>4. Soil: 2 sample @ 4000/samp le</p>	NA		<p>For monit oring of air, water , soil & noise every six mont h</p> <p>1. Water : 2 GW sampl e @ 5000/ sampl e</p> <p>2. Air: 2 Sampl e @ 5000/ sampl e, DG 1 sampl e @ 5000/ sampl</p>	NA	1,50,00 0	

					e 3. Noise: 2 sampl e @ 1000/ sampl e, DG set 1 sampl e @ 1000/ sampl e 4. Soil: 2 sampl e @ 4000/ sampl e			
4	Air Environment							
	Const ructio n Phase	Water sprinkling	Water sprinkling is done as per terms & conditions of the work order agreement (3 water tractors/day) enclosed with bill as (Annexure- VI) &Barricading is on site done and exist, enclosed photograph as Annexure-VII)		Constr uction period = 4 years, workin g day= 800 day, Per day water require ment= 12000 KLD @ 320/ tanker	7,68,000	--	All bills submitt ed in hard copies to SEAC
		Container for Storage of raw material	Storage hall/Service Yard (Size-35mx25m) was provided during construction phase for materials stacking	No Violation	--	INR 90,000	INR 7000	All bills submitt ed in hard copies to SEAC

		Green Nets for covering building for 9290.30Sq m area @ Rs 5/Sqm	46450		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		Barricading of construction area	Site was fully barricaded (Annexure-VIII). All modern and new machinery was used on site. NO VIOLATION	Site boundary constructed	Construction is completed now. Project is in operational phase.	12,48,000	--	Bills submitted in hard copies
		Helmets, jackets, hand gloves & boots has been provided to the workers, enclosed Bill receipt as (Annexure-IX)			--	INR 22,15,395	--	Photographs & ledger accounts are attached for the reference
		Vehicle Inspection @ 15,000/year for 4 years	60,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost

	Operation Phase	DG sets 250 kVA. With prevention of combustion fumes. Acoustic enclosure and stack height has been provided as per CPCB Norms				INR 12,50,000	INR Annual maintenance @22865	Maintenance of 1 no. of DG set/year through AMC @ 22,865/year
5	Waste Environment							
	Construction Phase	150 Dustbin @ Rs 200/each	30,000		--	2,17,000	--	Proof is not available, therefore cost is taken in Remediation Cost
		Safety tapes for barricading the waste	10,000		--	--	--	
		Agency fee for collection & disposal Solid waste for 2 years @ Rs. 1000/month	24,000		--	--	--	
	Operation Phase	15 Dustbin @ Rs 300/each	4,500		Agency fee for collection & disposal Solid waste @ Rs. 100/month	1,50,000		MUNICIPAL CORPORATION NOC ATTACHED FEES IS INCLUSIVE OF PROPERTY TAX

					h			also NOC Attache d of MSW Disposi ng ANNEX URE - V
		Agency fee for collection & disposal Municipal Solid waste		50,00 0		--	12,000	
		STP sludge disposal	No Violation	No Viola tion	STP sludg e dispo sal	Will be used as manure	--	Sludge is being used for landscap ing purpose .
6	Water Environment							
	Const ructio n Phase	Ground water abstraction	No ground bore well is done. NO VIOLATION (Under Taking annexure V)		NA	Not applic able, till date no bore well for groun dwat er tappi ng is propo sed for const ructio n.	NA	For operati onal phase builder has arrange d water from tankers on daily bases bills are attache d for further referen ce. Photogr aphs are

								attached herewith for your reference
		Construction of Toilets	Temporary shelter & toilets has been provided to workers enclosed pics as (Annexure-X)	No Violation	NA	8,56,246	NA	Bills submitted in hard copies.
		STP & Dual Plumbing installation of 550 KLD	Water Demand is being fulfilled by Municipal Water Supply Sewage Water is treating in 100 KLD STP and Recycled and reuse for Greenbelt, Flushing purposes.dual plumbing is done and operational.	No Violation	NA	INR 15,00,000(STP)+ 28,03,243 (Dual plumbing)= 43,03,243		We have already obtained municipal water supply permission which is attached for reference.
		Construction of 8 RWH	8.0 nos of rain water harvesting has been provided. NO Violation	No Violation	NA	INR 44,72,000		8 RWH pits are constructed & CGWB compliance to be done.
	Operation Phase	Abstraction of Ground water	No Violation	No Violation	NA	NA	NA	Water is being supplied through Municipal Supply. NOC is attached as Annexure VII

		STP & Dual Plumbing AMC & Maintenance of 550 KLD	No Violation	No Violation	STP operation and maintenance @ Rs 45,000/month	NA	INR 5,40,000 (STP AMC @ 45000rs/month)+ 1,68,389 (Dual plumbing) = 7,08,398.	STP is FULL functional. Photos of STP Attached Annexure VIII
		Maintenance and cleaning of RWH system	No Violation	No Violation	Maintenance and cleaning of RWH system @ Rs 32,000/twice in a year	NA	INR 32,000 (Recurring cost for the maintenance of RWH pits.)	Bills are Submitted.
		Cleaning and maintenance of water network @ Rs 50,000/twice in a year	No Violation	No Violation	Cleaning and maintenance of water network @ Rs 50,000/twice in a year	NA	2,00,000	
	Occupational Health and Safety of construction worker							
	Construction Phase	First aid kit at site	50,000		--	--	--	Proof is not available,
		PPE for labor	50,000		--	--	--	

7		Health checkup for labor twice in a year for 50 LABOR @ 1000/ labor						therefore cost is taken in Remediation Cost
	Operation Phase	--	50,000	--	--	--		
8	Ecology Environment							
	Construction Phase	Cutting of Trees	No Tree Falling done No Violation	No Violation	--	--	--	No tree was felled. No tree was present on the land. Attached affidavit Annexure - I
		Development of Green Area	Total 300 trees planted during construction. Species wise and location wise inventory enclosed as (Annexure-XIII)			INR 7,62,313	INR 1,90,546	Green area will be developed in the project site. Plantation photos attached Annexure - IX
		Maintenance of green area for 1 years after plantation	No violation	No Violation	Maintenance of green	--	2,40,000	Gardner is allocated for maintenance
	Operation Phase			--	--	--		

					n area for @ 2,40 ,000 /an num			of landsca pe.
9	Soil Environment							
	Const ructio n Phase	Soil characteristic s are as per baseline environment al data. Total land area 9290.30 sqm, ground coverage @ 30%= 2752.80 Sq.M, excavated material= 11521 cum, total quantity of topsoil have been used for the development of garden area which is 975.00 Sqm i.e. 10.6 % of total plot area.	No violation as entire top soil was used in garden and back filling of plinth area.		NA	INR 5,63,84 9.00		Ledger account s are submitt ed in hard copies.
	Oper ation Phase	--			--	--	--	
10	Noise Environment							
		Ear plugs for labour@ Rs 100/pcs (1000 pcs)	1,00,000			--	--	Proof is not availabl e, therefor e cost is taken in Remedi ation Cost

	Operation Phase	Replacement of Vibration pads of DG set (once in five years)	1,50,000		Replacement of Vibration pads of DG set			Five years not completed yet. Hence cost is not taken in remediation cost
11	Energy Conservation							
	Construction Phase	--			--	--	--	
	Operation Phase	Installation of LED	No Violation		--	INR 9,56,981	INR 1,89,634 (This amount has been incurred for the maintenance point of view.)	Proof is available photographs attached ANNEXURE XI
		Solar Panel	Solar Panels for 18 KW power capacity is proposed. INR 9,00,000					This is taken as remediation cost.
12	Transportation of Trucks							
	Construction Phase	Tarpaulin covers for trucks	50,000		--	--	--	Proof is not available. Thus 50,000 are used in remediation

								cost.
	Operation	--			--	--	--	
	Disaster Management Plan							
		Earthquake resistant structure	No Violation	No Violation	--	--	--	Already included in cost of project
13	Construction Phase	Fire fighting system	Machines were equipped with their fire extinguishing equipment. Only base earth excavation work is done for 70 days, enclosed as per (Annexure-XVIII) NO	No Violation		INR 25,94,328	I INR 1,98,000	Fire NOC is obtained which is attached as Annexure XII.

			VIOL ATIO N Fire Fight ing Orga nizin g and Arra nge ment : Exter nal fire hydr ant syste m, hose pipes , pum ps with contr ol pane l, over head tank s, First aid, fire extin guish ers, sand buck ets, Man ual and auto					
--	--	--	---	--	--	--	--	--

			matic fire alarms, main security room, etc.					
	Operation Phase	Quarterly training@ 2,000/training for 5 years		30,000	Quarterly training@ 2,000/training		6,000	Cost is taken under remediation
	Total Cost			17,22,950		2,04,47,355	1,92,443	
		Remediation Cost		17,22,950	Cost of EMP	2,06,39,798		
		Remaining Remediation Cost		17,22,950	Cost of EMP	2,06,39,798		

Expenditure of Proposed Remediation Cost:

Activity	Remark	Total (INR)	First Year (INR)	Second Year (INR)	Third Year (INR)
1. Environmental Management					
Plantation of trees along the roadside area inside or outside the project	Plantation of trees near project site or any other nearby projects	10,00,000		-	10,00,000
2. Community resource development					
Help of municipal authority for maintenance of already developed park in surrounding area.	Development of park	2,96,000		-	2,96,000
3. Natural resources augmentation					
Solar street light /led in nearby road side	17 @ Rs 25,000/ pieces	4,26,950	2,00,000	2,00,000	26,950

Total remediation cost (1+2+3)		17,22,950	2,00,000	2,00,000	13,22,950
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Further, PP has proposed Rs. 2,23,62,748.00 (Rs. 17,22,950.00 as Remediation Cost and Rs. 2,06,39,798.00 as EMP) for this project.

As per above calculations, PP- M/s. MSD Developers, Plot No. 8, PU-4 Commercial Sch. No. 54, AB Road, Indore, MP – 452001 has proposed to submit bank guarantee of INR 17,22,950.00 towards Remediation Plan and Natural & Community Resource Augmentation Plan.

Committee after considering the reply recommends that PP may be asked to deposit the bank guarantee (BG) with Four years validity of Rs. **17,22,950.00** (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board after approval of the SEIAA as per the procedure laid down in the MoEF& CC Notification dated 08/03/2018.

The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Environment Clearance for Construction of Proposed "SHIVOM" Commercial and Residential Building (Total Plot Area = 9290.30 sqm., Total Proposed Built-up Area = 25885 sqm) at Plot No. 578, Village - MG Road, Tehsil - Indore & Dist. Indore, MP For - Building Constuction Project Category: 8(a), subject to the following special conditions and submission of bank guarantee (BG) with 04 years validity of Rs. **17,22,950.00** (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board , with following additional conditions:

Statutory Compliance

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

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

II. Air Quality Monitoring and preservation

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF& CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. Diesel power generating sets (15 kVA X 02) proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be

provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.

- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from DG set (15 kVA X 02) shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. The total water requirement during operation phase is 96 KLD out of which 43 KLD is fresh water requirement and 76 KLD will be the recycled water generated. Out of which 32 KLD treated water will be used for flushing and, while 17 KLD water will be used for horticulture.

- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be to monitor to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF& CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total fires water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. For rainwater harvesting, 08 recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits about 61.94 m³/hr .

Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.

- xiv. All recharge should be limited to shallow aquifer.
- xv. No ground water shall be used during construction phase of the project.
- xvi. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xvii. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The recorded shall be submitted to the Regional Office, MoEF& CC along with six monthly Monitoring report.
- xviii. Sewage shall be treated in the STP based on MBBR based technology (Capacity - 100 KLD), treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xix. The waste water generated from the project shall be treated in STP of 100 KLD capacity (based on MBBR based technology) and then reused for various purposes. No water body or drainage channels are getting affected in the study area because of this project.
- xx. No sewage or untreated effluent water would be discharged through storm water drains.
- xxi. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitoring during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.

- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. Acoustic enclosures for DG sets, noise barriers for ground run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures.

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

VI. Waste Management

- i. Total waste 381.5 Kg/day, this consist all types of wastes (as Organic waste 228.9 Kg/day and non- organic waste 114.42 Kg/day), Inert waste 38.15 Kg/day, E- waste 1800 Kg/Annum , and these all type of waste shall be treated/ disposed off as per provision made in the MSW Rules 2016.
- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste 1.55 ton/day) shall be segregated into wet garbage and inert materials.
- v. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.

- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

Vii. Green Cover

- i. Total 100 trees shall be planted in the area of 975.0 m² (10.06 % of total plot area)which is developed as greenbelt development.
- ii. No tree can be felled/transplant unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iv. 6896sq meters of area shall be provided for green belt development as per the details provided in the project document.
- v. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

- vi. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.

VIII Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points
 - d. Parking norms as per local regulation
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Total proposed Parking's arrangement for 343 ECS (in which 114 ECS for Basement parking , 133 for ECS for Silt parking and 96 for open parking).
- iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

IX. Human health issues

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

X. Corporation Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated: 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The Environmental policy should prescribe for standard operating procedures to have proper checks and balance and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the Environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six monthly reports.
- iii. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation

of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

- v. PP M/s. MSD Developers, Plot No. 8, PU-4 Commercial Sch. No. 54, AB Road, Indore, MP – 452001 has proposed Rs. 2,23,62,748.00 (Rs. 17,22,950.00 as Remediation Cost and Rs. **2,06,39,798** (Rs. **2,04,47,355/-** as capital cost and Rs. **1,92,443/-** as recurring cost) as EMP for this project .
- vi. The PP Shri Ahhay Jain, Partner, /s. MSD Developers, Plot No. 8, PU-4 Commercial Sch. No. 54, AB Road, Indore, MP – 452001 has proposed to submit bank guarantee of INR 17,22,950.00 towards Remediation Plan and Natural & Community Resource Augmentation Plan.
- vii. For this project PP has proposed Rs 216.00 Lakhs as Corporate Environment Responsibility (CER) for remaining project component.

XI. Miscellaneous

- i. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.
- ii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the State Expert Appraisal Committee (SEAC)
- iii. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- iv. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- v. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

SEAC 449th meeting 24.07.2020

19. Case No. – 6671/2019 Avneedra Singh, Division Project Engineer, Public Works Department Project Implementation Unit, Divisional Office, Chhindwara. Prior Environment Clearance for Proposed Development of CIMS Hospital and Other Allied Buildings, at Khasra No. 13/2, 14/2, 12, 1/3, 21, 10/13, 11/2, 11/4, 1/2, 1/4, 13/1, 14/1, 18/2 & 19/2 Chhindwara MP, Total Land area – 2,42,524.94 Sq.m. (59.92 Acre) Total Built up area 2,95,174.0 Sq.M (FAR+Non FAR). Total Ground Coverage – 26337.37 Sq.m

This is case of Prior Environment Clearance for Proposed Development of CIMS Hospital and Other Allied Buildings, at Khasra No. 13/2, 14/2, 12, 1/3, 21, 10/13, 11/2, 11/4, 1/2, 1/4, 13/1, 14/1, 18/2 & 19/2 Chhindwara MP, Total Land area – 2,42,524.94 Sq.m. (59.92 Acre) Total Built up area 2,95,174.0 Sq.M (FAR+Non FAR). Total Ground Coverage – 26337.37 Sq.m

Earlier this case was scheduled for presentation and discussion in 434st SEAC meeting dated 20/05/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 1626 dated 09/07/2020, which was placed before the committee.

The case was presented by PP and their consultant PP stated that proposed project of development of CIMS Hospital and Others Allied Buildings. Following salient features presented during EIA presentation of the project:

- The hospital at Chhindwara Institute of Medical Schemes (M.P.) is a part of the Medical College, Chhindwara. The Medical College Campus is spread over a total area of 59.92 acres. The Academic College Building for an Intake of 150 Annual Admission along with Hostels, Faculty Residences, Sport and Community facilities etc. have already been completed as part of phase 0 and the process of MCI Recognition is ongoing.
- The various infrastructure facilities like ESS, STP, Water Tanks, Fire Tanks, Open Parking and Partial Site Development to ensure that the recently completed campus is run smoothly has already been completed and commissioned.

- The Hospital Structure Consists of Ten Blocks numbered Block 1 to Block 10. Block numbers 1,2,3,4 and 5 Constitute the general teaching Hospital, block nos. 6 and 7 Constitute the Super Specialty Hospital, Block nos. 8 and 9 constitutes the Cardiac Center. While Block Nos 10 which B+1 (triple height), constitutes the Registration Lobby. The structure of general teaching hospital, super specialty and cardiac hospital will be designed as conventional beam slab for Superstructure and flat slab for basement roof including extended basement.
- The project site is a government waste land which has been allotted to project proponent for development the medical scheme.
- The Medical College has been currently associated with the District Hospital at Chhindwara for the purpose of Studies and MCI Norms and requirement..

Project Chronology :

- TOR applications has been submitted to SEIAA and committee recommended the TOR for preparing EIA/EMP for the project in SEAC 410th meeting held on 02.12.2019 and TOR letter was issued on 20.12.2019.
- Due to modification of in land area, revised Form-1 with revision of land area has been submitted to SEIAA on 18.02.2020 and committee accepted the request made by PP and recommended to issue revised TOR with revised area details in 434th meeting of SEAC held on 20.05.2020. The remaining conditions for TOR shall remain same as recommended in SEAC 410th meeting dated 02.12.2019.
- Total Revised Land Area is 2,42,524.94 m² (59.92 Acres) and total built-up area (FAR+Non-FAR) is 2,95,174.0 m².
- The proposed project is building & construction project and category B-1 as per EIA Notification of MoEF&CC and amendments till date.
- The environment baseline monitoring study has been carried out for pre-monsoon season i.e. March to May 2019 which has already been informed to the committee through application as well as TOR Presentation.
- The EIA Report has been prepared in compliance of EIA Notification 2006, amending to till date and chapterization of the EIA Report has been prepared as per Appendix III of EIA Notification 2006.

Built-up Area Statement as per Revised Approved T&CP Plan

Sl. No.	Block	Area	
1	Hospital (Including Core/Shell Blocks)	180776	m ²
2	Auditorium	3633	m ²
3	Staff Residences_3BHK	18360	m ²
4	Nurses Residences_1BHK	14040	m ²
6	SR. Nurses Residences_2BHK	2442	m ²
5	Staff Residence_2BHK	12210	m ²
6	SR. Doctor Residences_1BHK	14040	m ²
7	Dharamshala	4000	m ²
Sub-Total Area		249501	m²
8	Basement (Land 1)	41073	m ²
10	tilt Parking (Land 1A)	2000	m ²
11	Stilt Parking (Land 3)	2600	m ²
Grand Total Area including Basement		295174	m²

After presentation and submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Proposed Development of CIMS Hospital and Other Allied Buildings, at Khasra No. 13/2, 14/2, 12, 1/3, 21, 10/13, 11/2, 11/4, 1/2, 1/4, 13/1, 14/1, 18/2 & 19/2 Chhindwara M.P, Total Land area – 2,42,524.94 Sq.m. (59.929 Acre) Total Built up area 2,95,174.0 Sq.M (FAR+Non FAR). Cat. 8(a) subject to the following special conditions:

Statutory Compliance

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

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

II. Air Quality Monitoring and preservation

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF & CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. 10 Diesel power generating sets (3x1500 kVA +3x1010 kVA +4x160 kVA) = 8170 kVA proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The

location of the DG sets may be decided with in consultation with State Pollution Control Board.

- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from 10 DG sets ($3 \times 1500 \text{ kVA} + 3 \times 1010 \text{ kVA} + 4 \times 160 \text{ kVA}$) = 8170 kVA
nos shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.

- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. Total water requirement for proposed project will be 2843.0 KLD, which include 1553.0 KLD for fresh water requirement to be used 1307.0 KLD for domestic use and 246.0 KLD for HVAC, and about 1290.0 KLD treated water shall be reused for the various purpose like filter back wash, horticulture and flushing.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and

storage capacity of minimum one day of total fires water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.

- xiii. For rainwater harvesting, 15 recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits about 104529.4 m³/annum. Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xiv. The RWH will be initially done only from the roof top. Runoff from green and other open areas will be done only after permission from CGWB.
- xv. All recharge should be limited to shallow aquifer.
- xvi. No ground water shall be used during construction phase of the project.
- xvii. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xviii. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The recorded shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring report.
- xix. Sewage shall be treated in the MBBR & SBR based STPs .The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.

Details are as given below:

Sl. No.	Items	Capacity in KLD
Land-1 Hospital Area (Phase-1 & 2)		
I.	STP Capacity Phase-1	725.0
II.	ETP Capacity Phase-1	140.0
III.	STP Capacity Phase-2	275.0
IV.	ETP Capacity Phase-2	50.0
V.	Technology of STP	MBR Technology
Land-1 Staff Residence (Phase-1 & 2)		
No STP is required, sewer shall be connected to Medical College sewerage network.		

Land-2 (Phase-1)		
I.	STP Capacity Phase-1	110.0
II.	Technology of STP	SBR Technology with Ultra Filtration System for Flushing Water Requirement.
Land-3 (Phase-1)		
I.	STP Capacity Phase-1	135.0 KLD
II.	Technology of STP	SBR Technology with Ultra Filtration System for Flushing Water Requirement.

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

IV. Noise monitoring and prevention

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitoring during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.

- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. Acoustic enclosures for DG sets, noise barriers for ground run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures.

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured, Building in the State which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv. Energy Conservation measures like installation of CFLs/LED's for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v. Solar, wind or other renewable energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level /local building bye-laws requirement, which is higher.
- vi. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

VI. Waste Management

- i. Total waste 4100 Kg/day, this consist all types of wastes (as Organic waste and non- organic waste), and these all type of waste shall be treated/ disposed off as per provision made in the MSW Rules 2016.
Details are as given below:

Sl.	Category of	Waste	Total	Waste
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No.	Solid Waste	Generation	Population	Generated (kg/day)
1	Residential	0.3 to 0.6	2676	1605.00
2	Hospital Bed Phase-1 (1 kg MSW + 0.5 KG BMW Waste)	1.5 kg/bed	1523	2285.00 (MSW1523+ BMW 761.5)
3	Auditorium other miscellaneous	0.1 to 0.2 kg/cap/day	800	160.00
Total				4050.00
Say				4100.00

- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (0.4 ton/day) shall be segregated into wet garbage and inert materials.
- v. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on

27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.

- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- i. Total 2630 trees shall be planted in the area of 6.5 Acres (Phase 1) which is developed as greenbelt development.
- ii. No tree can be felled/transplant unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iv. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- v. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

VIII Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for

environment and safety of users. The road system can be designed with these basic criteria.

- a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points
 - d. Parking norms as per local regulation
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Parking for 1527 ECS is proposed in this project.
- iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

IX. Human health issues

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

- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

X. Corporation Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated: 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The Environmental policy should prescribe for standard operating procedures to have proper checks and balance and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the Environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six monthly reports.
- iii. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. For Environment Management Plan PP has proposed Rs. 1021.40 Crore as capital and Rs. 0.64 Crore as recurring cost for this project.
- vi. For this project PP has proposed Rs 6.122 Crore (0.5% of project cost) as Corporate Environment Responsibility (CER) for remaining project component.

XI. Miscellaneous

- i. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.
- ii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the State Expert Appraisal Committee (SEAC)

- iii. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- iv. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- v. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

20. Case No. – 6188/2019 Shri Rakesh Patidar, Village - Doull, Tehsil - Dharampuri, Dist. Dhar, MP Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (19,030 cum per annum) (Khasra No. 57), Village - Doull, Tehsil - Dharampuri, Dist. Dhar (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 57), Village - Doull, Tehsil - Dharampuri, Dist. Dhar (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1005 dated: 12/04/19 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 16.80 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 371st SEAC meeting dated 21/05/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 1804 dated 22/07/2020, which was placed before the committee.

SALIENT FEATURES

Particulars	Details
Type of Mine	Open Cast
Mining lease area	4.0 ha
Mineable area	3.343 ha
Mineable reserve	9, 51,472 cu.m.
Method of mining	Opencast semi-mechanized method
Elevation of lease area	203 m to 215 m RL
Pit depth at the end of lease period	8m bgl
Pit depth at the conceptual stage	30m bgl
Ultimate Pit Slope	45°
Expected Life of Mines	50 years
Stripping Ratio	1:0.5
Mode to transportation	Road
Area under dumps in conceptual period	Nil
Area under pit at the end of lease period	3.3385 ha
Area under pit at the end of conceptual period	3.3430
Area to be backfilled by conceptual period	Nil
Area to be covered under plantation	0.6570 ha
General ground water table level	Approx. 40 mbgl (Source: Approved mining plan)
Max. daily production @300 days	64 cum/day or 162 TPD
Truck loads/trips per day (20 T)	8 truck loads and 16 return trips

Particulars	Details
General Ground Level	192 mRL

Lease area Elevation	Highest Elevation of Site –215 mRL Lowest Elevation of Site – 203 mRL
Nearest town	Mehgaon, Approx.1.9 km in WSW direction
Nearest Village	Kunda, approx. 0.9 km in SE direction. Doull, Approx. 1.2 km in SW direction
Nearest National/state Highway	State Highway (SH-31)- Approx. 3.3 km in ESE direction National Highway (NH-3)- Approx. 4.0 km SSE direction
Nearest Railway Station	Mhow Railway Station, Approx. 47.8 km in NE direction.
Nearest Airport	Devi Ahilyabai Holkar International Airport, Indore-Approx.64.3 km in NE direction
Nearest tourist place within 10km radius	None within 10 km radius
Archaeological Important Place	None within 10 km radius
Ecological Sensitive Areas (Wild Life Sanctuaries)	None within 10 km radius
Reserved / Protected Forest (Boundary to boundary distance)	Mandu Bawanipuri RF, Approx. 5.2 km in NNW direction Mandu RF, Approx. 7.4 km in NNW direction Asapur RF, Approx. 13.5 km in East direction Jakota RF, Approx. 11.6 km in SSE direction Maheshwar RF, Approx. 11.9 km in NE direction Khargaon RF, Approx. 14.4 km in NE direction Bharudpura RF, Approx. 9.6 km in NNE direction

Particulars	Details
Hills/valley within 10 km radius	None within 10 km radius. Lease area and its surrounding is undulating and rocky land
Nearest major city with 100000 population within 10km radius	None within 10 km radius.
Nearest Town / City within 10 km radius	None within 10km distance
Nearest River	None within 10km distance
Nearest Nalla/ pond/dam	Semalda- Mehgaon Talab, Bagwanya, Approx.1.3 km in NW direction Kunda Talab, Approx. 2.4 km in ENE direction
Industry with in 10 km radius	None within 10km distance

Other mines within 2 km radius	<p>There are 5 mines within 2 km radius:</p> <ol style="list-style-type: none"> 1. Shree Prakash S faulting and Toll Highway 2. Shree Jagdeesh 3. Shree Kaushal Das 4. Shree Satish 5. Shree Chandan
Crusher	Yes

The case was presented by the PP and their consultant wherein PP submits the method of mining will be opencast semi-mechanized method and conceptual depth will be 08 meters. It was observed by the committee that a crusher is installed within the lease for which PP submitted that it's an old crusher which not is used and will be scraped out by them. PP further submitted that they will install a new crushed in the lease and have also proposed budget for 03 meters high wind breaking wall. PP submitted that public hearing was also conducted and suggestions made by the local resident are incorporated in the EMP & CER. After presentation the committee asked to submit:

1. One additional settling tank as per the contour map.
2. Proposed blasting frequency.
3. Revised EMP adding the cost of additional settling tank.

PP has submitted the response of above quarries same date vide letter dated 24.07.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 19,030 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 10.77 Lakh as capital and Rs. 07.93 Lakh/year as recurring. Under CER Rs 0.60 Lakh/ year has proposed.

21. Case No 7382/2020 Shri Ramniwas Sharma, E-25, Vivekanand Colony, Thatipur, Dist. Gwalior, MP – 472446 Prior Environment Clearance for Stone Quarry in an area of 3.50 ha. (3,50,000 cum per annum) (Khasra No. 605 Part), Village - Kunwarpura Khas, Tehsil - Niwari, Dist. Niwari (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 605 Part), Village - Kunwarpura Khas, Tehsil - Niwari, Dist. Niwari (MP) 3.50 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 116 dated: 25/04/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Human Settlement	130 160	East North-west	Proposed safety measures during blasting and provision of Controlled blasting with sand bags.
Kachha Road	Within the lease West	--	PP submitted that since mine is not in operation thus local resident are using this as a short cut. However, a pucca road is in existence on the northern side of the lease for movement.
Trees	Within the lease West	North	Inventory of trees shall be provided with their management plan.

During presentation PP submitted that the conceptual depth is 21 meters and method of mining shall be Opencast semi-mechanized with Controlled Blasting/drilling. Committee after deliberations asked PP to revise the truck load carrying capacity to 40 T/truck to reduce the number of trips considering very high production for one year. PP was also advised to provide one additional settling tank on SE side considering the contours of the lease. PP was also asked to submit space available at pit bottom for mining operations for which PP submitted that being the area of lease 3.5 ha., approx 7540 sq. meter area will be available at pit bottom as per approved mine plan. After presentation the committee asked to submit following details:

- Revised Surface map showing one additional settling tank.
- Proposed safety measures during blasting and provision of Controlled blasting with sand bags.
- Since a prominent kachha road is passing through the lease right of access shall be provided and 10 meters area on the both sides shall be left as non mining area.
- Revised plantation scheme as suggested during presentation.
- Revised EMP adding the cost of one additional settling tank.
- Revised CER as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 24.07.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 3,50,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 18.44 Lakh as capital and Rs. 06.81 Lakh/year as recurring. Under CER Rs 1.50 Lakh/ year has proposed.

SEAC 448th meeting 23.07.2020

22. Case No 7267/2020 Smt. Lata Singh W/o Shri Vijay Singh R/o M-195, Bharut Nagar, Satna (MP)-485001 Prior Environment Clearance for

approval of Aber Laterite Mine in an area of 4.253 ha. (30000 MTPA) (Khasra No. 96/1/1, 96/1/2) at Village- Aber, Tehsil- Rampur Baghelan, District- Satna (MP)

This is case of Aber Laterite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 96/1/1, 96/1/2) at Village- Aber, Tehsil- Rampur Baghelan, District- Satna (MP) 4.253 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. 2068 dated 23/12/2015 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine total area of 26.042 ha., including this mine.

The case was scheduled in 444th meeting dated 03/07/2020 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 scheduled for the presentation wherein it was observed by committee that PP vide letter dated 23/07/2020 has submitted a request for withdrawal of their application on the ground of M.O. letter vide no. 1435 dated 21.07.2020 wherein M.O. stated that there are no other mine of Laterite within 500 meters around this mine hence, their case becomes B-2 category and PP will re-apply for the EC in B-2 category. Committee after deliberations decided that on the request of PP case may be considered for withdrawal and same may be sent to SEIAA for onward necessary action.

23. Case No 7359/2020 M/s R.K.Jain Infra Project Pvt. Ltd, B-27, 2nd Floor, Near Jain Mandir, Radhey Puri, Krishna Nagar, Dist. Shivpuri Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (40612 cum per annum) (Khasra No. 1488) at Village- Kalipahadi, Tehsil- Narwar, District- Shivpuri (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1488) at Village-

Kalipahadi, Tehsil- Narwar, District- Shivpuri (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. 1386 dated 06/7/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein PP stated that this lease was obtained under temporary permit (TP) with 02 years validity, as per DFO letter vide no. 5580 dated 16.10.2019 informed the ESZ Karera Sanctuary is 7 km whereas extent of the ESZ that are varying from 500 meter from notified urban and 'abadi' areas and 2 kilometer on the rest of area from the boundary. During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed-

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	>50	South -east	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.

PP further stated that no crusher is proposed within lease area . After presentation the committee asked to submit following details:

After presentation the committee asked to submit following details:

- Revised plantation species as suggested during presentation.

PP has submitted the response of above quarries same date vide letter dated 23.07.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 40,612 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 13.38 Lakh as capital and Rs. 2.76 Lakh/year and under CER Rs. 02.0 Lakh in 02 year has proposed.

SEAC 446th meeting 06.07.2020

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

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

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

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

The case was scheduled for the presentation in 400th SEAC meeting dated 31/10/2019 but neither the Project Proponent (PP) nor his representative was

present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

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

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

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

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

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

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

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

SEAC 442nd meeting

25. Case No. – 6224/2019 Shri Pramod Kumar Shukla, 129, Malviya Nagar, Near Chamber, Commerce, Tehsil - Huzur, Dist. Bhopal, MP Prior Environment Clearance for Manganese Ore Mine in an area of 4.25 ha. (6,854 MT per annum) (Khasra No. 171/1, 171/2, 171/3 & 172/3 Gha), Village - Sitapathore, Tehsil - Tirodi, Dist. Balaghat (MP).EIA Consultant: DAS India Pvt. Ltd. Lucknow.

This is case of Manganese Ore Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 171/1, 171/2, 171/3 & 172/3 Gha), Village - Sitapathore, Tehsil - Tirodi, Dist. Balaghat (MP) 4.25 Ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled in 405th SEAC meeting dated 08/11/2019 wherein ToR was recommended.

PP vide letter dated 26/09/2019 has submitted a request that in above case the production quantity is recommended in ToR as 85,306 cum/year, while the maximum production capacity was 6,854 MT per annum, for which PP has submitted the revised Form-I. And in recommended ToR the Khasra number mentioned are Khasra No. 171/1, 172/2, 171/3 & 172/3 Gha, whereas PP submitted that actual Khasra no's are 171/1, 171/2, 171/3 & 172/3 Gha.

This case was placed before the committee. Committee after deliberations decided that as per submitted revised form-I by the PP which was been forwarded through SEIAA vide letter 2476 dated 03/10/2019 a revised ToR has been recommended by SEAC

During presentation, PP submitted that earlier there was typographical error in from-1 submitted by them for Khasra number and quantity and now they have submitted revised from-1 for Case No. – 6224/2019 Shri Pramod Kumar Shukla, 129, Malviya Nagar, Near Chamber, Commerce, Tehsil - Huzur, Dist. Bhopal, MP Prior Environment Clearance for Manganese Ore Mine in an area of 4.25 ha. (6,854 MT per annum) (Khasra No. 171/1,171/2, 171/3 & 172/3 Gha), Village - Sitapathore, Tehsil - Tirodi, Dist. Balaghat (MP). Committee observed that PP has reduced the quantity of mineral to be excavated and proposed one correction in khasra number. Committee after deliberations recommends that revised TOR shall be considered with above amendments (Quantity 6,854 MT per annum and Khasra No. 171/1,171/2, 171/3 & 172/3 Gha) and remaining conditions shall be stand as it is in 373rd SEAC meeting dated 24/05/2019.

In this meeting the case was presented by PP and their consultants, during presentation on Google Image it was observed that the site is in close proximity to canal which is traversed towards north- east to south –west, PP stated that this canal belonging to Deptt. of Water Resources (Rajiv Sagar Project Division No. 3), Katangi, Distt Balaghat, and WRD has given no objection with such mining activity and issued a NOC vide no. 709 dated 06.04.2019, with certain conditions has been instructed to the PP as: no blasting proposed during mining activity, no water shall be taken from canal for mining, no trees shall be affected which are grown on WRD land etc. PP also submitted that no blasting is proposed and only manual method of mining will be performed. Committee after deliberations decided that PP will plant 4250 trees in the mine periphery/ barrier zone, on the transportation road and nearby village Sitapathore. After presentation and discussion the committee asked PP to submit following information:

1. Commitment/undertaking from PP that no blasting shall be carried out.
2. PP will plant 4250 trees in the mine periphery/ barrier zone, on the transportation road and nearby village Sitapathore.
3. Inventory of 15 trees existing within lease.

4. Revised water demand chart.
5. Undertaking from PP, that no GW intersection is proposed.
6. Photographs of monitoring activity.
7. Revised EMP with appropriate budget as suggested by committee.
8. Revised CSR with appropriate budget as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 16.06.2020, which was placed before the committee and the same found satisfactory. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Manganese Ore Mine in an area of 4.25 ha. (6,854 MT per annum) (Khasra No. 171/1,171/2, 171/3 & 172/3 Gha), Village - Sitapathore, Tehsil - Tirodi, Dist. Balaghat (MP), subject to the following special conditions:

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

7. No intermediate stacking of soil is permitted and same shall be utilized for plantation.
8. No blasting shall be carried-out as the proposal is for manual method of mining.
9. No tree falling is proposed during the mining activity.
10. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme

should be carried out along with the mining and PP would maintain the plants for mining period including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) including the village side to provide additional protection in one year only. As proposed in the landscape plan & EMP a minimum of 4250 no's of trees will be planted.

11. Transportation road shall be made pucca.
12. Transportation of material shall be done in covered vehicles.
13. Transportation of minerals shall not be carried out through forest area.
14. The OB till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the IBM.
15. Garland drains and settling pits of adequate sizes shall be provided.
16. Appropriate and submitted activities shall be taken up for social upliftment 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.
17. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
18. The commitments made in the public hearing are to be fulfilled by the PP.
19. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
20. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

21. The proposed EMP cost is Rs. 26.225 lakhs are proposed as capital expenses and Rs. 4.020 lakhs as recurring expenses.
22. Under CSR activity total Rs. 3.0 lakhs/year will be disbursed for different activities.

23. 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.
24. 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.
25. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
26. PP will comply with all the commitments made vide letter dated 16.06.2020.
27. PP will comply with all conditions issued by Deptt. of Water Resources (Rajiv Sagar Project Division No. 3), Katangi, Distt Balaghat, in their letter vide no. 709 dated 06.04.2019.
28. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

26. Case No 7210/2020 Shri Avinash Agrawal, PO - Jaitwara, Dist. Satna, MP – 485221 Prior Environment Clearance for Laterite Deposit in an area of 5.00 ha. (16,902 Tonne per annum) (Khasra No. 84P, 85, 92, 96P), Village - Mukat, Tehsil - Majhgawan, Dist. Satna (MP).

This is case of Laterite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 84P, 85, 92, 96P), Village - Mukat, Tehsil - Majhgawan, Dist. Satna (MP) 5.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 23 dated: 02/01/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Habitation	50	East	Setback of additional 50m shall be left in lease from habitation on eastern side.
Village road	10	West	No drilling & blasting proposed
Kulkaria road	70	North	--

PP further stated that no drilling and blasting is proposed in this mining and they will leave 50 meters additional setback from nearby village which is 50 meters away on eastern side. After presentation the committee asked to submit following details:--

- Revised CER by incorporating awareness program for COVID-19 pandemic distribution of masks, sanitizers, in the project affected villages in first year and Grassland development, infrastructure development in nearest school of villages from second year onwards.

PP has submitted the response of above queries same date vide letter dated 16.06.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Laterite 16,902 Tonne per annum.
2. A setback of 50 meters shall be left in the mining area on the eastern side towards village side as non mining area.
3. A budgetary provision for Environmental management Plan of Rs. 08.20 Lakh as capital and Rs.04.77 Lakh/year as recurring. Under CER Rs.0.80 Lakh/year has proposed.

SEAC 441st meeting 15.06.2020

26. Case No 7159/2020 M/s Shivdarshan Construction, R/o Tar Bazar, Shastriward, Pandhurna, Dist. Chhindwara Prior Environment Clearance for Stone Quarry in an area of 1.730 ha. (7,000 cum per annum) (Khasra No. 426/2-3-4), Village - Wadegaon, Tehsil - Pandhurna, Dist. Chhindwara. M.P.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 426/2-3-4), Village - Wadegaon, Tehsil - Pandhurna, Dist. Chhindwara (M.P.) 1.730 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. 1922 dated: 19/11/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for the presentation in 440th SEAC meeting dated 06/06/2020 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 presented by the PP and their consultant. During presentation as per Google image based on coordinates provided by PP, it was observed that the lease area is already excavated PP submitted that excavated lease area has acquired in such condition, earlier this lease was allotted to some other PP till 2019, and lease after their possession no mining has been done about 0.3 ha. is excavated and they have shown the same on surface map. Following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	>430	South-West	Controlled blasting with arrangements of sand bags and three rows of Plantation

			towards road side.
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After presentation the committee asked to submit following details:

- Revised EMP as suggested by committee.
- Revised CER add School/ Gram Panchayat related activities as suggested during presentation.

PP has submitted the response of above quarries same date vide letter dated 15.06.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 7,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 13.33 Lakh as capital and Rs. 7.36 Lakh/year as recurring cost and under CER Rs. 02.0 Lakh is proposed.

SEAC 440th meeting 06.06.2020

27. Case No 7139/2020 Shri Virendra Singh Jadon, E-7/M-708, Arera Colony, Dist. Bhopal, MP - 462016 Prior Environment Clearance for Sand Quarry in an area of 2.00 ha. (20,000 cum per annum) (Khasra No. 01), Village - Madori, Tehsil - Tikamgarh, Dist. Tikamgarh (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 01), Village - Madori, Tehsil - Tikamgarh, Dist. Tikamgarh (MP) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 91 dated: 26/05/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining on Saprar River. The sanctioned depth of the sand is

1.0 meters. After presentation the committee asked to submit following details:

1. Revised water demand calculation.
2. Revised plantation scheme.
3. Revised EMP by adding cost of T-point maintenance, speed restrictions if evacuation is from village area and cost of water required for mining operations as suggested by the committee during presentation.
4. Revised CER adding the proposal for scholarship for meritorious students.

PP has submitted the response of above queries same date vide letter dated 06.06.2020, which was placed before the committee. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 20,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 3.37 Lakh as capital and Rs 12.02 Lakh/year as recurring and under CER Rs. 1.20 Lakh is proposed.

28. Case No 7163/2020 Shri Virendra Singh Jadoun, E-7/M-708, Arera Colony, Dist. Bhopal Prior Environment Clearance for Sand Quarry in an area of 1.820 ha. (5,000 cum per annum) (Khasra No. 53, 93), Village - Wakneri, Tehsil - Katthiwada, Dist. Alirajpur (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 53, 93), Village - Wakneri, Tehsil - Katthiwada, Dist. Alirajpur (MP) 1.820 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. 327 dated: 23/05/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during presentation; PP stated that this is a case of river sand mining. During presentation it was observed by committee that a bridge is 110 meters away from the lease boundary and a small seasonal drain is also joining the lease for which necessary set back shall be left. After presentation the committee asked to submit following details:

1. Revised surface map showing setback of 500m downstream and 250m upstream in lease from bridge as per Enforcement & Monitoring Guidelines 2020 for Sand Mining.
2. Justification for non-submission of Gram Sabha NOC.
3. Revised EMP sheet as suggested by committee.

PP has submitted the response of above queries same date vide letter dated 06.06.2020, which was placed before the committee. Committee observed that even after deducting the volume of sand in the submerged area, the sanctioned volume of sand can be evacuated from the available dry area as per the revised plan submitted by PP. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 5,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 05.15 Lakh as capital and Rs 02.66 Lakh/year as recurring and under CER Rs. 0.45 Lakh per annum is proposed.

SEAC 439th 5 June 2020

29. Case No 7123/2020 Shri Virendra Singh Jadoun, E-7/M-708, Arera Colony, Dist. Bhopal, MP - 462016 Prior Environment Clearance for

Sand Quarry in an area of 3.00 ha. (12,300 cum per annum) (Khasra No. 1), Village - Dawri, Tehsil - Sondwa, Dist. Alirajpur (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1), Village - Dawri, Tehsil - Sondwa, Dist. Alirajpur (MP) 3.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Ekal Praman-Patr no. 182 dated: 19/03/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Stop dam	200	North	-
Water stream	Joining the lease	West	Setback of 50m shall be maintain in lease from both sides of water stream

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining at Akhnar River. During presentation as per Google image based on coordinates provided by PP, it was observed that a water stream is joining the lease towards west side, committee recommended that setback of 50m shall be maintain in lease from both sides of water stream and this area will be remains as non – mining area . PP further submitted that water stream will not be disturbed and no any other significant sensitive features were observed within 500 meters of the lease area. The sanctioned depth of the sand is 2.0 meters.

After presentation the committee asked to submit following details:

1. Revised Surface Production Plan showing non-mining area towards water stream at East side of lease boundary.

2. Justification for non-submission of Gram Sabha NOC is to be submitted by PP.
3. Revised CER by incorporating scholarship to meritorious student and awareness camp for female literacy nearest villages.

PP has submitted the response of above quarries same date vide letter dated 05.06.2020, which was placed before the committee. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 12,300 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 9.54 Lakh as capital and Rs 5.09 Lakh/year as recurring and under CER Rs. 1.00 Lakh/year.

30. Case No 6997/2020 M/s P.S.Stone, Partner - Shri Pawan Kumar Jain, Shri Sunil Kumar Jain, Shri Vinod Sharma, PS Hotel, Guna By Pass Road, Dist. Shivpuri, MP – 473551 Prior Environment Clearance for Stone Quarry in an area of 3.00 ha (46,746 cum per annum) (Khasra No. 378), Village - Lahadpur, Tehsil - Isagarh, Dist. Ashok Nagar (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 378), Village - Lahadpur, Tehsil - Isagarh, Dist. Ashok Nagar (MP) 3.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. Q dated: 21/11/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for the presentation in 434th SEAC meeting dated 20/05/2020 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 presented by the PP and their consultant. During presentation PP stated that Mining of 3.00 hect., will be carried out using bench method. Mining progression (year wise) will be from north to south, whereas mine face will also be from west to east. After presentation the committee asked to submit following details:

1. Revised EMP showing the location of settling tank in EMP Map is to be submitted by PP.
2. Revised plantation by adding चिरोल & नीम species as suggested during presentation.

PP has submitted the response of above quarries same date vide letter dated 05.06.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 46,746 cum per annum
2. A budgetary provision for Environmental management Plan of Rs.19.40 Lakh as capital and Rs. 02.87 Lakh/year as recurring and under CER Rs. 8.00 Lakh has proposed.

31. Case No 7000/2020 Shri Vikash Yadav, Gram - Mundra, Tehsil - Mungaoli, Dist. Ashok Nagar, MP – 473338 Prior Environment Clearance for Stone Quarry in an area of 1.820 ha (10,640 cum per annum) (Khasra No. 245, 246, 278, 279), Village - Mundra, Tehsil - Mungaoli, Dist. Ashok Nagar (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 245, 246, 278, 279), Village - Mundra, Tehsil - Mungaoli, Dist. Ashok Nagar (MP) 1.820 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 dated: 05/7/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for the presentation in 434th SEAC meeting dated 20/05/2020 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 presented by the PP and their consultant. During presentation PP stated that Mining of 1.820 hect. will be carried out using bench method. Mining progression (year wise) will be from north to south, whereas mine face will also be from west to east. After presentation the committee asked to submit following details:

1. Revised EMP by replacing overhead water sprinkling system to tanker as suggested by the committee during presentation.
2. Revised EMP showing the location of settling tank in EMP Map is to be submitted by PP.

PP has submitted the response of above quarries same date vide letter dated 05.06.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone - 10,640 cum per annum
2. A budgetary provision for Environmental management Plan of Rs.13.61 Lakh as capital and Rs. 2.04 Lakh/year as recurring and under CER Rs. 3.00 Lakh has proposed.

32. Case No 7006/2020 Shri Dhanraj Shivhare, Railway Crossing Ke Pass, Dist. Sheopur, MP – 476337 Prior Environment Clearance for Stone Quarry in an area of 1.00 ha. (8,656 cum per annum) (Khasra No. 234/1), Village - Salmanya, Tehsil - Badoda, Dist. Sheopur (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 234/1), Village - Salmanya, Tehsil - Badoda, Dist. Sheopur (MP) 1.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1898 dated: 18/02/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.0 ha., including this mine.

The case was scheduled for the presentation in 434th SEAC meeting dated 20/05/2020 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 presented by the PP and their consultant. During presentation as per Google image based on coordinates provided by PP, it was observed that lease area is already excavate for which PP submitted that they got the lease in this condition, hence committee after deliberation recommends that PP shall submit MO clarification that the lease was already excavated prior allotment to Mr. Dhanraj Shivhare for further consideration of this case.

33. Case No 6994/2020 Shri Arun Kumar Jain S/o Shri Mahendra Kumar Jain, Chanderi, Dist. Ashok Nagar, MP Prior Environment Clearance for Flagstone Quarry in an area of 1.849 ha. (1,200 cum per annum) (Khasra No. 74, 79/1, 79/2), Village - Vikrampur, Tehsil - Chanderi, Dist. Ashok Nagar (MP).

This is case of Flagstone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 74, 79/1, 79/2), Village - Vikrampur, Tehsil - Chanderi, Dist. Ashok Nagar (MP) 1.849 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. 490 dated: 22/8/2019 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 4.812 ha., including this mine.

The case was scheduled for the presentation in 434th SEAC meeting dated 20/05/2020 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 presented by the PP and their consultant. During presentation PP stated that Mining of 1.849 hect. will be carried out using bench method. Mining progression (year wise) will be from north to south, whereas mine face will also be from west to east. No blasting is proposed in this mining. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Flagstone - 1,200 cum per annum
2. A budgetary provision for Environmental management Plan of Rs.5.50Lakh as capital and Rs. 1.98Lakh/year as recurring and under CER Rs. 1.50 Lakh has proposed.

34. Case No. – 6575/2019 M/s Ojaswi Mining, Partner Shri Pradeep Kumar Mittal, 11-12, Dunne Market, Jabalpur Road, Bargawan, Dist. Katni, MP – 484220. Prior Environment Clearance for Granite Deposit in an area of 2.330 ha. (Revise Form-1 Production Capacity – 7,200 Cu.mt/Year) (Khasra No. 2673), Village - Chilpa, Tehsil - Anuppur, Dist. Anuppur (MP).

This is case of Granite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2673), Village - Chilpa, Tehsil - Anuppur, Dist. Anuppur (MP) 2.330 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's Office letter No.981 dated: 03/08/2019 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine total area of 23.016 ha., including this mine.

The case was scheduled for presentation in 414th SEAC meeting dated 06/01/2020, 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. Earlier PP was also absent in SEAC meeting 410th SEAC Meeting dated 02/12/19 and 403rd SEAC meeting dated 06/11/2019. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

PP has submitted the desired information vide letter no. nil dated 27/2/2020. Therefore, SEIAA relisted the case and sent revised Form-1 along with technical file to SEAC for appraisal.

The case was scheduled for 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. PP was also absent in 434th SEAC meeting dated 20/05/2020. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

35. Case No 6876/2020 M/s Gannon Dunkertry & Co. Ltd Company, Shri Ram Talkies, Deeksha School Ke Samne, Dist. Shivpuri, MP – 473551 Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (1,31,100 cum per annum) (Khasra No. 967), Village - Kakrauwa Thuni, Tehsil - Pichhore, Dist. Shivpuri (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 967), Village -

Kakrauwa Thuni, Tehsil - Pichhore, Dist. Shivpuri (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. 20 dated: 25/01/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for 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. Earlier PP was also absent in 432th SEAC meeting dated 18/05/2020 and in 431th SEAC meeting dated 18/03/2020. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

36. Case No 6923/2020 M/s. Maa Narmada Crusher, Prop. SHri Ramlal Mandloi, Village - Borjhiri, Tehsil - Manawar, Dist. Dhar, MP – 454446 Prior Environment Clearance for Stone Quarry in an area of 2.90 ha. (8,416 cum per annum) (Khasra No. 46/1), Village - Sondul, Tehsil - Manawar, Dist. Dhar (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 46/1), Village - Sondul, Tehsil - Manawar, Dist. Dhar (MP) 2.90 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. 2598 dated: 26/12/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for 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. Earlier PP was also absent in 430th SEAC meeting dated 17/3/2020 & 432th SEAC meeting dated 18/5/2020. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

SEAC 437th dated 01 June 2020

37. Case No. – 7044/2020 Executive Engineer, Office of the Executive Engineer, Narmada Development Division No. 20, Mandleshwar, Dist. Khargone, (M.P.) Prior Environment Clearance for ISP - Kalisindh Micro Lift Irrigation Scheme Phase II, [Covered Area : Th. & Distt.— Shajapur, Teh- Bagli Distt.- Dewas, The- Saragpur Distt.- Rajgarh, The.- Punasa Distt.- Khandwa, Teh. – Jawar Distt.- Sehore] at Tehsil - Punasa, Dist. Khandwa (M.P.). Capacity – 100000 CCA. Cat. 1(c) River Valley Project.

The Executive Summary of the project:

The main objective of ISP – Kalisindh Link Project Phase – II is to provide irrigation facilities to the water-scare areas in upper reaches of Chambal Basin where the level of irrigation is much less as compare to that of national average. The project has been conceived to cater irrigation water to about 1,00,000 Ha of CCA in Rajgarh and Shajapur districts (Madhya Pradesh). The lifting point is located on Indira Sagar Project reservoir in district Khandwa; , lifting point, pump houses and rising main lie in Khandwa, Dewasand Sehore districts while the command area lie in Rajgarh and Shajapur districts.

175 villages of Rajgarh and Shajapur districts will be benefitted as per details given below.

S. No.	District	Tehsil	Total Number of Villages
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1	Rajgarh	Sarangpur	39
2	Shajapur	Shujalpurand Shajapur	34+102=136
TOTAL			175

Execution of ISP Kalisindh Phase II Micro Lift Irrigation Project of M.P. comprising of-

1. Lifting of 32.04 cumecs water from Indira Sagar Project reservoir to supply for irrigation in 1,00,000 Ha CCA.
2. Construction of Pumping Stations with Pumps including substation, transformer and all electrical works and Control Room with SCADA.
3. Laying of Rising Mains / Gravity Mains including intermediary structures.
4. Erection of Electric Line of suitable voltage and power as may be required.
5. Construction of underground piped main canals/ major/minor distributaries and disnet for Micro irrigation up to 2.5 ha. chak including inline structures & other miscellaneous works.
6. Power requirement for the entire project shall not exceed 140.169 MW for first 15 years of operation.

Salient Features

Name of the Project	:	ISP KalisindhPhase II Micro Lift Irrigation Scheme
Type of Project	:	Irrigation Project
Project Location		
i) Supply Source	:	Indira Sagar Project Reservoir
ii) Lifting Point	:	Indira Sagar Reservoir in district Khandwa
iv) Command	:	In Rajgarh&Shajapur districts
River Basin		
a) Name		

i) Lifting	:	Narmada BasinKalisindh, ChhotiKalisindh&Newaj
ii) Command	:	Sub basin of Chambal Basin
b) Located in	:	Madhya Pradesh
Access to the Project		
Nearest Airport	:	Devi Ahilya Airport, Indore (M.P.)
Nearest Rail Head (BG)	:	Khandwa; and is i) 70 km from Indira Sagar Project ii) 90 km from Lifting Point iii) 130 km from Junction Structure delivery point
Interstate aspects of the project		
Catchment area of the basin	:	It is a lift scheme hence no independent catchment is being harnessed
Submergence due to project	:	No submergence due to project, as it is a lift irrigation scheme
Water allocation for the State	:	Quantum of water being lifted for this project is included in the water share of M.P. as per NWDT award
Water allocation for other state	:	Not applicable
Irrigation		
Gross Command Area (GCA)	:	1,86,163 ha
Culturable Command Area (CCA)	:	1,00,000 ha
Crop	:	Rabi - 100% (1,00,000 ha)
Water Utilization		
Discharge	:	32.04 cumec
Estimated life of the project	:	50 Years

Pump Head	:	Total head – 287 m
Distribution system	:	Piped distribution up to 2.5 Ha (HDPE/MS Pipe)
Power Requirement	:	140.169 MW
Cost	:	Rs. 4407.52 Crore
B. C. Ratio	:	1.60

Proximity to Protected Areas

There is no protected area within 10 Km of the project location. Kheoni Wildlife Sanctuary's ESZ boundary is at about 55Km from lifting point and underground rising main will pass at a distance of 24 km. Ralamandal WLS is at about 70Km from lifting point and underground rising main will pass at a distance of 60 km.

Land requirement

The entire micro irrigation system has been aligned in such a way, that it passes through minimum forest area. However, for laying of Rising mains, Gravity mains, transmission line and establishing pump houses approximate 108.36 ha of forest land shall be required. Process of diversion of forest land shall be initiated soon. For construction of pumping stations and rising mains, private land of about 4 ha shall be required.

The pipe shall be laid 1.00 m below average ground level and land will be restored immediately on completion of the work. Wherever, the pipeline/ transmission line will be pass through private land, temporary land acquisition will be done as per the applicable law. Total temporary land requirement is worked out as 3800 ha.

The case was presented by and their consultant through video conferencing for issuing of TOR to carryout EIA studies with site specific details. PP stated that as per MOEF notification Part II Section – 3(II) dated 1.12.2009 SO 3067 (E) page no 18 under V 'those irrigation projects which are not involving submergence or inter-state domain shall be appraised at state level Category "B" project' and hence shall be appraised by SEIAA/SEAC Madhya Pradesh.

PP stated that In ISP Kalisindh Phase II Micro Lift Irrigation Scheme, water will be lifted from ISP Reservoir near village Banka Palas (Tehsil Punasa) and distributed by pipeline to meet irrigation water requirement for 1,00,000 ha

(CCA). 175 villages of Rajgarh and Shajapur districts will be benefitted. Project is designed for a discharge of 32.04 cumec. Lifting location is ISP reservoir in Khandwa district, RM route passes through Khandwa, Dewas and Sehore district command area is in Rajgarh and Shajapur districts.

PP further stated that there is no protected area within 10 Km of the project location, Kheoni ESZ boundary is at about 55KMs from lifting point and rising main will pass at a distance of 24 km. Ralamandal WLS is at about 70 KMs from lifting point and rising main will pass at a distance of 60 KMs. For laying of rising mains appx. 108.36 ha. of forest land shall be required. Survey was initiated but could not proceed due to Lock Down. For construction of pump houses and Distribution chambers, private land of about 12 ha. shall be required; we shall do best effort to ensure that these are located on government land; however, if any permanent private land requirement cannot be avoided, R&R details will be provided in EIA report. In private or Govt. land the pipe shall be laid 1.00 m below average ground level hence no land for pipes shall be acquired permanently and temporary land acquisition will be done as per the applicable act. About 3800 ha.private will be required temporarily.

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

- Since project involves 108.36 ha., forest area, F.C. clearance has to be obtained by PP and copy of the same should be submitted with EIA report.
- Bifurcation of RF and PF details.
- The total temporary land requirement is worked out as 12.0 ha. and 3800 ha.private land if any issue involved to R&R, to be elaborated in EIA with proper provisions issued by various State /central Government orders/ notification.
- For baseline data – one month monsoon monitoring to be done.
- Muck management plan shall be submitted with EIA report.
- Incorporate awareness/ training activities including of distribution of masks, sanitizers, mass sanitization programme in the project affected villages' w.r.t. COVID-19 pandemic

SEAC 433th dated 19.05.2020

38. Case No 6990/2020 M/s S.R.Traders, Shri Subodh Dwivedi, Kusum Kunj, Suncity, Choubey Colony, Dist. Chhatarpur, MP – 471001 Prior Environment Clearance for Stone Quarry in an area of 1.450 ha. (79235 cum per annum) (Khasra No. 366/1/Ka), Village - Jhinna, Tehsil - Lavkhush Nagar, Dist. Chhatarpur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 366/1/Ka), Village - Jhinna, Tehsil - Lavkhush Nagar, Dist. Chhatarpur (MP) 1.450 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. NIL dated: NIL has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.4 ha., including this mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
03 Trees	Within lease	West	Inventory of the trees and One tree falling is proposed. PP will take permission from competent authority.
Pucca Road	>400	NW- SW	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Human settlement	>370	SW	

After presentation the committee asked to submit following details:

- PP will submit revised DFO certificate.
- Revised blasting details adding sand bags.
- One tree falling is proposed commitment from PP that permission will be taken from competent authority.
- Proposal for 2000 plantation.
- Revised CER- incorporate awareness/ training activities including of distribution of masks, sanitizers and mass sanitization programme in the project affected villages' w.r.t. COVID-19 pandemic.

PP has submitted the response of above quarries same date vide letter dated 19.05.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 79,235 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 8.41 Lakh as capital and Rs. 3.836 Lakh/year and under CSR Rs. 0.60 Lakh has proposed.

SEAC 432th dated 19.05.2020

39. Case No 6950/2020 M/s Mahak Agro India Limited, Pathak Bhawan, Nai Abadi, Dist. Mandsaur, MP Prior Environment Clearance for Laterite Mine in an area of 12.838 ha. (50000 MT per annum) (Khasra No. 141/1), Village - Jamunia Meena, Tehsil - Mandsaur, Dist. Mandsaur (MP)

This is case of Laterite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 141/1), Village - Jamunia Meena, Tehsil - Mandsaur, Dist. Mandsaur (MP) 12.838 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultant, being it's a case of Laterite mine with area of 12.838 ha. and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. A kachha road is crossing the lease from southern and western side of the lease PP shall be provided right to access to the villagers.
2. Wind mill is just 75 meters in the western side of the lease boundary hence, addition 125 meters shall be left as setback from this end of the lease. Accordingly all maps shall be prepared.
3. No drilling and blasting has proposed & ultimate pit depth is proposed 03 meters.
4. CER shall also incorporate awareness/ training activities including distribution of masks, sanitizers, mass sanitization programme in the project affected villages' w.r.t. COVID-19 pandemic.

SEAC 431th dated 18.05.2020

40. Case No 6925/2020 Shri Sawai Singh S/o Shri Sajan Singh, Village - Guradiya Manda, Tehsil - Jawar, Dist. Sehore, MP – 466221 Prior Environment Clearance for Murrum Quarry in an area of 1.00 ha. (2,500 cum per annum) (Khasra No. 137/122/2), Village - Guradiya Manda, Tehsil - Jawar, Dist. Sehore (MP).

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 137/122/2), Village - Guradiya Manda, Tehsil - Jawar, Dist. Sehore (MP) 1.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office dated 13/06/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	>85	South-West	<ul style="list-style-type: none"> • No blasting is proposed and only manual mining shall be carried out. • Three rows of Plantation in this side.
Water body	>100	South-West	Provision of Garland drain & settling tanks

further stated that no blasting is proposed and only manual mining shall be carried out. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum Quarry 2,500 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.71 Lakh as capital and Rs 3.34Lakh/year and under CER Rs. 0.60 Lakh/years has proposed.

41. Case No. – 6319/2019 Shri Shakti Bundela, Ward no. 10, Suryanchal Gadi Gram, Post - Ghuwara, Dist. Chhatarpur, MP – 471313 Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (21,647 cum per annum) (Khasra No. 351), Village - Bamnora Kalan, Tehsil - Ghuwara, Dist. Chhatarpur (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 351), Village - Bamnora Kalan, Tehsil - Ghuwara, Dist. Chhatarpur (MP) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Mining Inspector letter No. NIL dated: 30/07/16 has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of 3.00 ha., including this mine.

The case was scheduled for presentation in 393rd SEAC meeting dated 30/08/2019, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in SEAC meeting 387th dated 07/08/2019 and 381st dated 08/07/2019. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

SEIAA vide letter no 4980 dated 09/03/2020 forwarded this case to SEAC by stating that: PP has submitted the desired information vide letter dated 14/02/2020 received in SEIAA office 14/2/2020 as per SEAC 393rd meeting dated 30/08/2019. Hence it is decided relist the case and send the information to SEAC for appraisal along with technical file.

Based on above submission this case was placed before committee for presentation and discussion, wherein during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed within the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Canal	>230	North-West	Controlled muffle blasting with arrangements of sand bags.
Water	20	South	Setback of 30 m shall be left as

body			non-mining area in lease from water body.
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Since it is a case of Expansion in production capacity from 3,500 to 21,647 cum/year, PP has submitted the earlier EC (DEIAA EC) compliance report issued vide letter no 149 dated 06/02/2020. PP further stated that mining shall be done by Opencast Semi Mechanized Method. Topographically, the QL area has undulating topography. After presentation the committee asked to submit following details:

- Revised plantation species as suggested by the committee during presentation.
- Revised surface map showing setback of 30m as non-mining area in lease from water body.

PP has submitted the response of above quarries same date vide letter dated 18.03.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 21,647 cum per annum
2. A budgetary provision for Environmental management Plan of Rs. 6.50 Lakh as capital and Rs. 2.07 Lakh/year. Under CER Rs. 0.50 Lakh/ year has proposed.
3. PP shall maintain the setback of 30m towards south side as non-mining area in lease from water body.

42. Case No 6943/2020 M/s. Dilip Buildcon Limited, Plot No. 5, Inside Govind Narayan Singh Gate, Chuna Bhatti, Kolar Road, Dist. Bhopal, MP – 474001 Prior Environment Clearance for Stone Quarry in an area of 4.50 ha. (4,88,632.50 cum per annum) (Khasra No. 322, 324, 333, 334, 336), Village - Bilara, Tehsil - Gwalior, Dist. Gwalior (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 322, 324, 333, 334,

336), Village - Bilara, Tehsil - Gwalior, Dist. Gwalior (MP) 4.50 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. TP-02 dated: 20/02/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during presentation as per Google image based on coordinates provided by PP, it was observed that the entire lease area is falling on agriculture land PP submitted that entire area is drought prone and only single crop of corn has been sown and the mine after three years converted into water pit to recharging purpose as this mining is sanctioned as TP for three years. No other significant features were observed within 500 meters the lease area. After presentation the committee asked to submit following details:

1. Commitment of PP to carryout transportation through 40 MT truck load capacity to minimize the number of trips.
2. Re-assess the number of trips/day with 40 MT loading capacity.
3. Commitment of PP for providing pucca evacuation route to carry 40 MT truck load considering the production very high capacity with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides.
4. Commensurate budget for evacuation route shall be provided in the EMP.
5. Commitment of PP that no evacuation shall be carried out from the village side.
6. If crusher is proposed on site, same shall be of latest technology such as cone type, equipped with air pollution control devices, water sprinkling arrangements, wind breaking wall etc and the complete details shall be provided with Commensurate budget in EMP.
7. Drilling & Blasting
8. Agricultural crop being sown in the nearby area.

PP has submitted the response of above quarries same date vide letter dated 18.03.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 4,88,632.50 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 27.62 Lakh as capital and Rs. 03.81 Lakh/year. Under CER Rs. 03.00 Lakh/year has proposed.

DEAC 430th meeting 17 march 2020

43. Case No 6772/2020 Smt. Kumkum Singh W/o Collector Singh, Village - Kubri, Tehsil - Bahari, Dist. Sidhi, MP – 486771 Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (24,000 cum per annum) (Khasra No. 405, 409/2 Part), Village - Karaundi, Tehsil - Kubri, Dist. Sidhi (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 405, 409/2 Part), Village - Karaundi, Tehsil - Kubri, Dist. Sidhi (MP) 2.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no 1569 dated 14/10/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for presentation, wherein 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. PP was also absent in the 428th SEAC meeting dated 29/2/2020 & 422nd SEAC meeting dated 10/02/2020. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented by the PP and their consultant. As per Google image based on coordinates provided by PP it was observed that mine lease is in two parts, PP submitted that lower part of the lease of 0.40 ha. which is in the south side shall be dealt as non- mining area and keep intact as some trees are existing also will keep surplus soil in this area. The other part of lease in the north side where mining is proposed here also trees are seen within lease, PP said these are 08 in numbers. Within 500 meters following other sensitive features were observed:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
08 Trees	Within lease	West	Inventory of these trees and commitment that no tree falling shall be done.
Isolated House	Existing blank space in between two lease	-	PP stated they have made agreement with owner of this hutment/house.
Settlement	>100	South	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.

After presentation the committee asked to submit following details:

- Inventory of trees which are existing within lease and commitment that no tree falling shall be done after taking permission from the authority.
- Revised plantation species of 2500 nos. as suggested by the committee.
- Revised CER with addition to proposal for development of charnoi land designated in the village and traffic awareness camp in the first year of the mining.
- Revised surface map showing other part of lease as non- mining area.

PP has submitted the response of above quarries same date vide letter dated 17.03.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 24,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 8.55 Lakh as capital and Rs.3.28 Lakh/year. Under CER Rs. 0.80 Lakh/ year has proposed.

44. Case No 6796/2020 Shri Naval Kishore Baghel S/o Shri Nemi Singh Baghel, Mu. PO. Lakhnawada, Tehsil - Seoni, Dist. Seoni, MP – 480661 Prior Environment Clearance for Stone Quarry in an area of 3.00 ha. (20,064 cum per annum) (Khasra No. 187), Village - Phulara, Tehsil - Seoni, Dist. Seoni (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 187), Village - Phulara, Tehsil - Seoni, Dist. Seoni (MP) 3.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 888 dated: 20/12/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for presentation, wherein 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. PP was also absent in the 428th SEAC meeting dated 29/2/2020 & 424th SEAC meeting dated 12/02/2020. Committee decided to call the PP in subsequent meetings giving last chance to

present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented by the PP and their consultant. As per Google image based on coordinates provided by PP it was observed that the lease is already excavated in the centre of the lease PP submitted that the earlier this lease was allotted to some other PP as TP basis, within 500 meters following sensitive features were observed:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Stop dam	>300	North	Controlled blasting with arrangements of sand bags and Provision of Garland drain & settling tanks.
Natural Drain	>100	South	Provision of Garland drain & settling tanks.

After presentation the committee asked to submit following details:

- Revised plantation numbers of 3000 nos.
- Revised CER with addition to proposal for development of charnoi land designated in the village and traffic awareness camp in the first year of the mining.

PP has submitted the response of above quarries same date vide letter dated 17.03.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 20,064_cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 7.12 Lakh as capital and Rs.3.16 Lakh/year. Under CER Rs. 0.75 Lakh/ year has proposed.

SEAC 424th meeting 06.07.2020

45. Case No. - 5929/2019 M/s. Mangal Murti Minerals, Shri Mohit Agrawal, 99, Bahadarpur Road, Burhanpur, MP – 450331 Prior Environment Clearance for Red Ochre & Basalt Mine (Dimensional Stone) in an area of 19.60 Ha. (Red Ochre – 21,000 cum per annum, Basalt – 3,000 cum per annum) (Khasra No. 143, 181, 183, 184 & 192), Village- Dabalikhurd, Tehsil - Nepanagar, Dist. Burhanpur (MP). EIA Consultant: M/s. Apex Mintech Consultants.

This is case of Red Ochre & Basalt Mine (Dimensional Stone). The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 143, 181, 183, 184 & 192), Village- Dabalikhurd, Tehsil - Nepanagar, Dist. Burhanpur (MP) 19.60 Ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was presented by PP and their consultant in 350th SEAC Meeting dated 15/03/2019, wherein ToR was recommended

PP has submitted the EIA report vide letter dated Nil which was forwarded through SEIAA vide letter no. 3852 dated 08/01/2020.

The case was scheduled for the presentation in 417th SEAC meeting dated 22/01/2020 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 presented by PP and their consultant wherein following project details were submitted by PP;

- Initially, prospecting lease was sanctioned by Government of Madhya Pradesh, Mineral Resource Department; Bhopal vide its letter No. F – 2-31/2014/12/2 Bhopal dated 24.05.2014 to M/s Mangal Murti Minerals (Khasra No. 143, 155, 158, 159, 181, 183, 184 & 192), having an area of 34.290 Ha., for mineral Red Ochre and Laterite for two years. In compliance of sanctioned prospecting license, agreement had been signed between project proponent and

District Collector; Burhanpur on 19.06.2014, period of prospecting license is valid up to 19.06.2014 to 18.06.2016.

- Subsequently, a Letter of Intent has been issued by the Under Secretary Mineral Resource Division, Government of Madhya Pradesh vide its letter No. F-3-51/2018/12/1 dated 11.09.2018 for grant of mining lease over an area of 19.60 Ha., within Khasra Nos. 143,181,183,184 & 192 for the minerals Red Ochre & Dimensional Stone (Basalt) for a period of 30 years, under Rule 18 (2) of Madhya Pradesh Minor Mineral Rules 1996.
- The Mining Plan with Progressive Mine Closure Plan has been approved under Rule 42 of Madhya Pradesh Minor Mineral Rules 1996, by The Director of Geology & Mining Madhya Pradesh Bhopal vide his letter no. 2268/M.Plan/Cell-1/Na Kra/51/2018, Bhopal Date 05.02.2019.
- The field studies for environmental attributes have been carried out during the period March, 2019 to May, 2019 representing the summer season, as per the guideline issued by the MoEF&CC.
- Public Hearing has been carried on 20.11.2019 as per the provisions of the EIA Notification, 2006.

Method of Mining: Mining is done by Semi mechanized open cast method. Normally 3m high benches are formed.

Basalt (Mineral Reject) in top layer is drilled by Jackhammer run by tractor compressor and controlled blasted. The deep hole drilling and blasting is done where the mineralized portion containing Basalt is broken by drilling 1.5 m deep holes with jack hammers, whereas the rock continuing only waste mineral is broken by drilling 3.5 m. deep holes with wagon drills. The blast holes are blasted with manually ANFO mixture being boosted by special gelatin.

Red Ochre (Mineral) in 2nd layer – The existence of Basalt of varying thickness intercepted by Red Ochre which makes mining work difficult. In order to extract maximum percentage of mineral, open cast semi mechanized method of mining will be started. Red Ochre mineral being very soft in nature so no blasting is required and only excavator use to extract the mineral. Shovel and dumpers are deployed in removing Basalt, which is hard

in nature. The height of benches is height of 3.00 m. The work will be concentrated in Red Ochre and Basalt mine at area in the lease and development and waste disposal.

Basalt Blockable (Mineral) – Blockable Basalt will be extracted by using rock breaker. Mineral soon will load into tippers by excavator and brought to mineral yard within the leasehold and dispatch to the market.

During presentation PP submitted that approx. 381654 cum of mineral reject (low grade basalt) and 178663 cum blockable basalt is proposed to be generated and as per their mine plan same shall be permitted to use for masonry stone or manufacturing of sand after getting necessary from competent authority such as department of mines & geology. After presentation the PP was asked to submit following information for further consideration of the project.

- Revised EMP proposal with addition to proposal for re-grassing the mining area at closure time, on the OB dumps, on the soil of garland drain and on the back filled area (if any) as per the latest O.M dated dated 16/01/2020.
- Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder as per the latest O.M dated dated 16/01/2020.
- Revised plantation species as suggested by the committee during presentation.

PP vide their letter dated 12.02.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Red Ochre & Basalt Mine (Dimensional Stone) in an area of 19.60 Ha. (Red Ochre – 21,000 cum per annum, Basalt – 3,000 cum per annum) (Khasra No. 143, 181, 183, 184 & 192), Village- Dabalikhurd, Tehsil - Nepanagar, Dist. Burhanpur (MP). subject to the following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone 381654 cum of low grade basalt and 178663 cum blockable basalt shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine for water sprinkling.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.

20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP total 6470 number of trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 1.5 m wide & 1.0 m deep.
25. The settling tank will be of size of 3.0 m wide, 5.0 m long & 3.0 m deep.
26. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
27. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
28. The existing and proposed land use plan of the mine is as follows:

S. No	Description	Area put to use at start of plan (in Ha.)	Area after 5 years (in Ha.)	End of the Mine Life
1.	Mining	0.1550	2.4600	17.421
2.	O.B. and waste dump	0.0000	0.8268	-
3.	Infrastructure	0.0000	0.0096	-
4.	Road	0.0000	0.0324	-
5.	Green belt	0.0000	0.3500	2.179
6.	Mineral stack	0.0000	0.1822	-
7.	Mineral Reject	0.0000	4.000	-
8.	Water reservoir	-	-	17.421*
9.	Used area	0.1550	7.8610	-
10.	Unused area	19.4450	11.739	-
	Total lease area	19.60	19.60	19.60

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

(C) ENTIRE LIFE OF THE PROJECT

34. In the proposed EMP, capital cost is Rs. 12.49 Lakh is proposed and Rs. 10.48 Lakh /year as recurring expenses.
35. Apart from EMP a separate budget of Rs. 12.59 Lakh capital and 05.00 as recurring cost has proposed for re-grassing the mining area at the mine closure in the light of recent H'ble Supreme Court order.
36. Under CER activity, Rs. 5.10 Lakh /year have proposed for different activities and should be implemented through respective committees.
37. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
38. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
39. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
40. PP will comply with all the commitments made vide letter dated 12.02.2020
41. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

46. Case No 6735/2020 Shri Manoj Kumar Singh, R/o 8B/K.K. 25 Krishna Puram, Devnagar, Dist. Agra, UP. Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (1,10,000 cum per annum) (Khasra No. 523), Village - Bilharikalan, Tehsil - Datia, Dist. Datia (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 523), Village - Bilharikalan, Tehsil - Datia, Dist. Datia (MP) 2.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no 735 dated 15/10/15 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 11.80 ha including this mine.

The case was scheduled for the presentation in 420th SEAC meeting dated 27/01/2020 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 presented by PP and their consultant in 424th SEAC meeting dated 12/02/20 wherein during presentation it observed that Environmental clearance (EC) for a production of 25,000 cum of stone (gitty) per year has been obtained from DEIAA, vide letter no. Q/Khanij/3-6/DEIAA/36833/2015 Datia on 8/6/2016. Now it is proposed to enhance the production of stone (gitty) to 1,10,000 cum per year. Therefore, a fresh EC is required to be obtained from SEIAA (M.P.) For this purpose a modified mining plan for producing 1,10,000cum stone (gitty) per annum has been approved by Regional Head Department of Geology & Mining Madhya Vide his letter no. 51/M.Plan Cell/Na. Kra. 1/2018-19 Gwalior Date 29. 01.2019. PP was also instructed to obtain compliance report of earlier EC conditions from competent authority.

Being it's a case Stone with total area of 11.80 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. As per the Google image based on the co-ordinates submitted by the PP, a water body can be seen within lease area, for this PP submits that this is old quarry pit. Committee further observed that bunding can be seen through the Google image for which PP submitted that it's a kachha road developed by villagers for crossing the lease. Hence committee after deliberation decided to carry-out site visit of this area in order to verify the facts and TOR shall be recommended after site visit.

Again in the 432nd SEAC meeting dated 18/05/20 it was decided that in certain cases considering the environmental sensitivity site visits were proposed by SEAC to verify facts and take suitable decisions for their appraisal. In view of the outbreak of Corona Virus (COVID 19) and subsequent lockdown declared for its control it is not possible to carry out these proposed site visits and may cause delay in deciding the cases. Committee further observed that bunding can be seen through the Google image for which PP submitted that it's a kachha road developed by villagers for crossing the lease. After deliberations, it was decided by the committee that PP shall submit a drone videography for further consideration of case for TOR.

PP submitted the drone video of the lease area wherein water logged pit can be seen and PP submitted that this is mining pit and mining is still carried out on this lease. However, they have proposed for expansion from 25,000 cum/year to 1,10,000 cum/year. Being pit developed due to previous mining, water logged area can be seen. Committee after deliberations decided it's a case Stone with total area of 11.80 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 hence committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and general conditions as per Annex. D for expansion:-

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.

2. A certification from Tehsildar /Gram Panchayat shall be obtained and submitted with EIA report that pit in existence within the lease area is not a water body as submitted by PP.
3. Compliance of earlier EC condition verified by the competent authority.
4. Detailed study of ground vibration and fly rocks shall be done.
5. Transportation plan & traffic management plan should be discussed in the EIA report.
6. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
7. Level of mechanization should be discussed in the EIA report.
8. Hydro geological study should be carried out if ground water intersection is proposed.
9. Top soil management plan should be addressed in EIA report.
10. Input data of modeling should be addressed in EIA along with this all back up calculation.
11. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.

47. Case No. – 6717/2019 Smt. Santo Choursiya, Near Village Biloua, Tehsil - Dabra, Dist. Gwalior, MP. Prior Environment Clearance for Stone Quarry in an area of 1.214 ha. (30,000 cum per annum) (Khasra No. 3624/1), Village - Biloua, Tehsil - Pichhore, Dist. Gwalior (MP).

This is case of Stone. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 3624/1), Village - Biloua, Tehsil - Pichhore, Dist. Gwalior (MP). 1.214 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar's Office letter dated 07.04.2016 has reported that there are (not mentioned) more mines operating or proposed within 500 meters around the said mine total area of 10.264 ha., including this mine.

The case was scheduled for 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. Earlier PP was also absent in 424th SEAC meeting dated 12/2/2020 and in 417th SEAC meeting dated 22/01/2020. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project. Case relisted and send to SEAC in 631 SEIAA meeting dated 11-08-20. Letter no. 2484-85/SEIAA/20 dated 31-08-20 alongwith technical file to SEAC for examination and appraisal.

48. Case No. – 6485/2019 Smt. Sunayana Pandey W/o Shri Vinod Kumar Pandey, Village - Mahadeva, Post - Deora 1, Tehsil - Kotar, Dist. Satna, MP. Prior Environment Clearance for Murrum Quarry in an area of 1.60 ha. (10,000 cum per annum) (Khasra No. 02), Village - Bihara, Tehsil - Kotar, Dist. Satna (MP).

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 02), Village - Bihara, Tehsil - Kotar, Dist. Satna (MP) 1.60 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 leases within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Assistant Draftsmen (Mining Office-Satna) letter No. Nil dated: Nil has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.80 ha., including this mine.

The case was presented by PP and their consultant in 391st SEAC meeting dated 28/08/2019, wherein it was recorded from the Google image that this allotted lease is on hillock and some pit like structures can be seen on approximately > 75 % of lease area which might be dugged for plantation by Gram Sabah of gram panchayat. Committee after deliberation decided that PP should submit revised NOC of Gram Sabha with details about what are those pits like structures on lease area along with drone videography of complete lease area for further consideration of this project.

PP vide letter dated 24/01/2020 has submitted the reply of above raised queries in 391st SEAC meeting dated 28/08/2019 along with drone videography of lease area, which was placed before committee.

The case was presented by PP and their consultant wherein PP has presented the drone videography of complete lease area according to which it appears that trenches are dugged-out in proper way to conserve water, hence mining in this area shall not be permitted. Committee after deliberation decided that leaving this area as non-mining zone approximately 0.80ha of area shall be available for mineral excavation; hence PP shall submit the commitment with revised surface map by clearly showing the non-mining area towards trenches for further consideration of this project.

PP vide letter dated 24/01/2020 has submitted the reply of above raised queries in 391st SEAC meeting dated 28/08/2019 along with drone videography of lease area, which was placed before committee.

The case was presented by PP and their consultant in the SEAC- 424th meeting dated 12/02/2020 wherein PP has presented the drone videography of complete lease area according to which it appears that trenches are dugged-out in proper way to conserve water, hence mining in this area shall not be permitted. Committee after deliberation decided that leaving this area as non-mining zone approximately 0.80ha of area shall be available for mineral excavation; hence PP shall submit the commitment with revised surface map by clearly showing the non-mining area towards trenches for further consideration of this project.

PP has submitted the response of above quarries same date vide letter dated 17.03.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum – 5,000 cum per annum and Stone – 10,000 cum per annum.

2. A budgetary provision for Environmental management Plan of Rs. 6.59 Lakh as capital and Rs. 3.41 Lakh/year and under CER Rs. 0.60 Lakh/year has proposed.

SEAC 423 dated 11.02.2020

49. Case No 6777/2020 Shri Yashwardhan Singh, R/o Rajendra Nagar, Nishant Colony, Ward No. 26, Dist. Satna, MP – 485001 Prior Environment Clearance for Murrum Quarry in an area of 2.00 ha. (24,175 cum per annum) (Khasra No. 256/1/1 Part), Village - Kathwariya, Tehsil - Nagod, Dist. Satna (MP).

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 256/1/1 Part), Village - Kathwariya, Tehsil - Nagod, Dist. Satna (MP) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 92 dated: 09/01/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	>95	South-West	Three rows plantation towards road side with arrangements of sand bags and three rows of Plantation in this side.
Major District Road	>390	South-east	

During presentation, it was observed through Google image that within 500 meters radius, three more mines are appears to be in operation i.e. one in east side adjacent to the lease and two are in south - west side near the pucca road. Mining Officer vide letter no. 90 dated 09.01.2020, have mentioned no mines within 500 meters radius which creates uncertainty regarding number of mines within 500 meters radius as through Google back images it is evident that excavation in two of these three mines have started after the year 2015. After presentation the committee asked PP to submit clarification of mining officer on above issue.

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

Annexure- 'A'

Standard conditions applicable to Stone/Murram and Soil quarries:

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

10. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
11. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
12. To avoid vibration, no overcharging shall be carried out during blasting and muffle blasting shall be adopted. Blasting shall be carried out through certified blaster only and no explosive will be stored at mine site without permission from the competent authority.
13. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks (SS pattern) of suitable sizes shall be provided.
14. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
15. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
16. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
17. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
18. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
19. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
20. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
21. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
22. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining

activities and restore the land to a condition which is fit for growth of fodder, flora , fauna etc. Moreover, A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.

23. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled “Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”.

Annexure- ‘B’

Standard conditions applicable for the Sand Mine Quarries*

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Only registered vehicles/tractor trolleys which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4th or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement &

Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.

13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
17. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
18. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
19. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
24. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
25. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.

26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled “Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”.

Annexure- ‘C’

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

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. The mining shall be carried out strictly as per the approved mining plan.
4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.
5. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
7. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
8. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
9. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
10. No Mining shall be carried out during Monsoon season.
11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
12. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.

15. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
16. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
24. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".

Annexure- 'D'

General conditions applicable for the granting of TOR

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
3. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.

4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
12. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
13. Grant of TOR does not mean grant of EC.
14. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
19. The EIA report should clearly mention activity wise EMP and CER cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.

23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analysed.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
28. The project proponent shall provide the mitigation measures as per 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.

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

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