

The 416th meeting of the State Expert Appraisal Committee (SEAC) was held on 08th January, 2020 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting:

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

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

1. **Case No. - 5634/2017 M/s. Rawell Mining Corporation, Rawell Building, Plot No. 18, New Ramdaspath, Nagpur, Mah Prior Environment Clearance for Manganese Ore Mine in an area of 5.859 Ha.. Production Capacity expansion from 600 TPA to 6,673 TPA (Khasra no.11/1, 11/3, 12, 15/1, 15/2) at Village- Ranpeth Damami, Tehsil - Sausar, Dist. Chhindwara (MP).**

This is case of Manganese Ore Mine. The proposed site is located at (Khasra no.11/1, 11/3, 12, 15/1, 15/2) at Village- Ranpeth Damami, Tehsil - Sausar, Dist. Chhindwara (MP) 5.859 Ha. The project requires prior EC before commencement of any activity at site. PP has submitted ToR application forwarded by the SEIAA vide letter no. 1562 dated 18/01/18.

The case was presented by the PP and their consultant in 307th SEAC meeting dated 23/02/2018 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 23.11.2019 which was forwarded through SEIAA vide letter no. 3306 dated 25.11.2019.

The case was scheduled for presentation in 413th SEAC meeting dated 10-12-2019 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. PP was also absent in the 411th SEAC meeting dated 03-12-2019. 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 presented by the PP and their consultant wherein PP submitted that the Manganese ore body is 2.75 m wide and it will be drilled by Jack hammer 32 mm dia to a depth of 1.5 m with spacing 1.0 m and burden 0.75 m. Manganese ore body will be sliced four times in a bench of six metre. The powder factor in Manganese ore body will be 2.25m³ or about 6.75t per kg of explosive. The open cast excavation by a mechanized mode for Manganese ore will be continued in a pit. The RL of bottom most working will be 369 m. In fifth year of plan period, no bed mining will be done. The height of bench will be kept 6m and width of bench will not be less than 6m. The advancement of benches will be along strike direction. The PP further submitted following other details of EMP's which are as given below:

EMP

Total Cost (EMP + CSR+ plantation + Monitoring)		
Particular	Amount (Lakh) Capital	Amount (Lakh) per annum – Recurring
Dust Suppression through tanker over 1.70 km road * 6.0m (15 Rs/km inclusive diesel exp, driver exp and maintenance) Approx running per day 3.40km @280 day (over road) = 952km	-	0.14
Dust Suppression through tanker over 0.250 km road * 6.0m (20Rs/km) Approx running per day 4.0km@280 day =1120km	-	0.22
Sub Total		0.36
Plantation (Capital cost) Along the village Road 800no. @ 355	2.84	-
Maintenance of Plantation (Along the village Road & lease area) @ Rs 45/- per plant	-	1.00
Plantation (Capital cost) within lease area 3770no @140	5.28	
Sub Total	8.12	1.00
Roads repair and maintenance (1.70km X 6.0mW@2.0 lakh per Km)	-	3.40
Sub Total	-	3.40
Occupational health and safety exp. half yearly medical check-up of workers 80no of workers	1.00	0.30
Sub Total	1.00	0.30
Environmental Monitoring cost	7.50	6.70
Sub Total	7.50	6.70
Fencing around the lease periphery (1284m@300 running meter)	3.85	0.65@50
Sub Total	3.85	0.65
Total EMP cost	20.47	12.41

CSR cost	5.00	1.00
Sub Total	5.00	1.00
Grand Total	25.47	13.41

EMP Cost per Tonne- Production – 6673 TPA - EMP cost – 25,45,000/6673 = Rs 381 per Tonne

Plantation

Plantation programme										
Year	Un-worked area green belt		Outside dumps (Reclaim)		Benches of pit		Inside dump		Total	
	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees
Present	0.6166	200	-	-	-	-	-	-	0.6166	200
1st to 5th	0.8834	1770	Nil	Nil	0.50	1000	0.50	1000	1.8834	3770
Total	1.50	1970	Nil	Nil	0.50	1000	0.50	1000	2.50	3970

Time Bound Plantation Programme		
Year	Area	Number of Plants
1 st	0.50ha + 1000m (Road side)	1000 + 400 = 1400
2 nd	0.50ha + 1000m (Road side)	1000+400 = 1400
3 rd	0.50ha	1000
4 th to CP	0.3834	770
Total	1.8834+1000m	3770+800 = 4570

Proposed Plantation Detail

Proposed Plantation Detail			
	Description	Qty	Location
	Trees		
	Neem	500	Along the lease Boundary in mine premises and transportation route
	Bans	500	
	Kachnar	300	
	Pipal	50	

	Bargad	50	
	Ornamental Trees		
	Amaltash	300	Along the transportation road/ in premises
	Gulmohar	300	Along the transportation road/ Along the transportation road/ in premises
	Satparni	300	Along the lease Boundary in mine premises
	Karanj	500	Along the lease Boundary in mine premises and transportation road
	Fruit Trees & Ornamental		
	Awala	200	In mine premises
	Orange	870	Along the lease Boundary in mine premises and transportation road
	Jamun	200	Along the lease Boundary in mine premises and transportation road
	Imly	200	Along the lease Boundary in mine premises and transportation road
	Drum stick	300	Along the lease Boundary in mine premises and transportation road
	TOTAL	4570	

During presentation PP also submitted MoEF&CC compliance report vide no. 268 dated 12.09.2019 with following recommendations:

“Implementation of Conditions:- It is inferred from the above that the implementations of total 56 environmental conditions, 29 are found agreed to comply, 03 are compiled, 19 being compiled, and some compliance needs improvements which are in progress, PA has been advised for implementation is to be taken care with the project development, attention is to be given to the vital conditions like environmental management, green belt development, OB and soil management also the submission and uploading of six monthly compliance as per stipulation”.

After presentation, PP was asked to provide response on following:

1. Revised proposal of plantation schemes and numbers as suggested by the committee.
2. Revised EMP budget as suggested by the committee.

PP vide their letter dated 08/01/2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Manganese Ore Mine in

an area of 5.859 ha. production capacity expansion from 600 TPA to 6,673 TPA (Khasra no.11/1, 11/3, 12, 15/1, 15/2) at Village- Ranpeth Damami, Tehsil - Sausar, Dist. Chhindwara (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 maintained 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.

(B) MINING OPERATIONAL PHASE

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

19. At the end of conceptual period total 2.50 ha. area shall be developed as green belt. Parallely PP shall also carried out plantation along the transport route, at common places of nearby villages and will submit the details in compliance report.
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 5000 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.
25. The size of the garland 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	200.00X 0.50X 0.50
Proposed garland drain		
PGD_1	BP-2 to BP-13	310.00 X 1.00 X 1.00
PGD_2	BP-2 to BP-6	340.00 X 1.00 X 1.00
PGD_3	BP-6 to BP-7	80.00X 1.00 X 1.00
PGD_4	BP-8 to BP-10	80.00X 1.00 X 1.00

26. The details of proposed settling pits are as:

Details of proposed settling pit		
Identified Drain With No.	No. of Settling Pit	Size of Settling Pit (M) W X L X D
PGD_1	PSP_1 to PSP3	0.5x0.35x1.5
PGD_1 & PGD_2	PSP_4	0.5x0.35x1.5
PGD_2	PSP_5 to PSP_7	0.5x0.35x1.5
PGD_3 & PSP_2	PSP_8	0.5x0.35x1.5

PGD_3	PSP_9	0.5x0.35x1.5
PGD_4	PSP_10 to PSP_11	0.5x0.35x1.5

27. The details of proposed settling tanks are as:

Detail of Proposed settling Tanks			
Settling tank no.	Location	Size	Water availability
1	Near BP-2	0.42ha x 6mD	25200.00
2	Near BP-9	0.13ha x 3mD	3900.00
Total Water Availability			29100.00

28. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.

29. For dust suppression water spraying system shall be provided while on transport road for dust suppression tankers shall be provided.

30. The existing and proposed land use plan of the mine is as follows:

Items	Existing	SOM Period	Conceptual Period
Total lease area	5.859 ha		
Ultimate depth of mining	23 m bgl (379 m MSL)	21 m bgl (369 m MSL)	21 m bgl (369 m MSL)
Area under dumps	0.2898ha	0.7625ha	0.7625ha
Area under pits	1.8772ha	1.8772ha	1.8772ha
Infrastructure & Road	0.0421ha	0.0500ha	0.0500ha
Mineral storage	Nil	Nil	Nil
Plantation	0.6166ha	2.50ha	2.50ha
Un-worked area	3.0333ha	0.6693ha	0.6693ha
Total	5.859 ha	5.859 ha	5.859 ha
Water body	0.50ha	0.50ha	1.80ha

Area to be reclaimed	Nil	0.0895ha	0.0
Plantation			
Un-worked area	0.6166ha (200no.)	1.50ha (1970 No.)	1.50ha (1970 No.)
Backfilled area	Nil	Nil	Nil
Bench area	Nil	0.50 (1000 No.)	0.50 (1000 No.)
Total area for plantation	0.6166ha (200no.)	2.50ha (3970 No.)	2.50ha (3970 No.)

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

(C) ENTIRE LIFE OF THE PROJECT

30. In the proposed EMP, capital cost is Rs. 22.19 Lakh is proposed and Rs. 14.02 Lakh /year as recurring expenses.
36. Under CSR activity, Rs. 3.00 Lakh are proposed in different activities and should be implemented through respective committees. Rs 3.50 Lakh is proposed for public hearing related issue.
31. 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.
32. 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.

33. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
34. PP will comply with all the commitments made vide letter dated 08.01.2020.
35. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

2. **Case No. - 5753/2018 M/s KJS Cement Limited, Maihar Village Amilia, Lakhwar Near NH-7, District Satna (MP)-485771 Prior Environment Clearance for Bhatia Limestone Mine in an area of 7.859 ha. for production capacity 25,000 TPA (Khasra No. 1089/1, 1089/4, 1112/, 1113, 1110, 1108, 1109, 1104 & 1111) at village - Bhatia, Tehsil - Maihar & Dist. Satna, MP.**

This is case of Prior Environment Clearance for Bhatia Limestone Mine in an area of 7.859 ha. for production capacity 25,000 TPA (Khasra No. 1089/1, 1089/4, 1112/, 1113, 1110, 1108, 1109, 1104 & 1111) at village - Bhatia, Tehsil - Maihar & Dist. Satna, MP. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultant in 329th SEAC meeting dated 23/10/2018 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 21.11.2019 which was forwarded through SEIAA vide letter no. 3304 dated 25.11.2019.

The case was scheduled for presentation in 413th SEAC meeting dated 10/12/19 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 411th SEAC meeting dated 03-12-2019. 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 presented by the PP and their consultant wherein PP submitted that Mining activity was being operated for capacity of 25000 MT/Year with valid consent to operate from 1964 to 2015. Since 2015, no mining activities have been performed. Opencast OTFM mining is proposed for proposed mining. Presently one pit has been observed in lease area, which covers by 1.313 ha. area having depth of 327 meters AMSL.

PP further submitted following other details of mining operation which are as given below:

- Opencast manual mining is proposed by using hand tools such as spades, chisel, hammer etc.
- Light drilling and blasting will be required to break the rock strata for easy excavation.
- Lump of Limestone will be transported from pit bottom to surface.
- The area has been developed with one pit (1.313 ha) up to 327m AMSL with one bench soil and two mineral benches.
- During the proposal period 1.2847 ha. area will be broken around Pit-1. One bench in soil and three benches in mineral are with height of 2 m and 6 m respectively up to 327 m AMSL.
- During the conceptual period 6-8 m wide haulage roads will be maintained and developed at required places with gradient of 1:16.
- At the end of conceptual period, about 7.094 ha area will be excavated upto 327 m AMSL. Out of this about 1.84 ha area will be backfilled using mine waste and rest of mined out area i.e. 5.254 ha are will be converted as water reservoir with proper fencing.
- At the end of conceptual period about 3.355 ha area will be afforested with 6680 trees

After presentation, PP was asked to provide response on following:

1. Revised proposal of plantation schemes and numbers as suggested by the committee.
2. Revised EMP budget as suggested by the committee.

PP vide their letter dated 08/01/2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Bhatia Limestone Mine in an area of 7.859 ha. for production capacity 25,000 TPA (Khasra No. 1089/1, 1089/4, 1112/, 1113, 1110, 1108, 1109, 1104 & 1111) at village - Bhatia, Tehsil - Maihar & Dist. Satna, 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 maintained 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.

(B) MINING OPERATIONAL PHASE

10. No overcharging during blasting to avoid vibration.
11. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
12. Working height of the loading machines shall be compatible with bench configuration.
13. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
14. No explosive will be stored at the mine site.
15. No intermediate stacking is permitted at the mine site.
16. No dump shall be stacked outside the lease area.
17. Overhead sprinklers shall be provided in mine.
18. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
19. At the end of conceptual period total 3.355 ha. area shall be developed as green belt. Parallely PP shall also carried out plantation along the transport route, at common places of nearby villages and will submit the details in compliance report.
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 7820 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.
25. The size of the garland drain will be as -

Details of proposed garland drains		
Garland drain no.	Location of Garland drain	Size mL X mW X mD
PGD_1	BP_1 to BP_5	390X 0.5 X 1.0
PGD_2	BP-5 to BP-3	466 X 0.5 X 1.0

26. The details of proposed settling pits and settling Tanks are as:

Details of proposed settling pits		
Indentified Drain With No.	No. of Settling Pit	Size of Settling Pit (M) W X L X D
PGD_1	PSP_1 to PSP_3	0.75x0.5x1.5
PGD_2 & PGD_1	PSP_4	0.75x0.5x1.5
PGD_2	PSP_5 to PSP_6	0.75x0.5x1.5

27. The details of proposed settling tanks is as:

Detail of proposed settling Tanks		
Settling tank no.	Location	Size
Settling tank no. 1	BP_5	6300M2 X 10.0mD

28. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
29. For dust suppression water spraying system shall be provided while on transport road for dust suppression tankers shall be provided.
30. The existing and proposed land use plan of the mine is as follows:

Items	Existing	SOM Period	Conceptual Period
Total lease area	7.859 ha		
Ultimate depth of mining	12 m bgl (327 m MSL)	12 m bgl (327 m MSL)	12 m bgl (327 m MSL)
Ultimate pit slope	80 degree	45 degree	45 degree
Area under dumps	0.27ha	0.50ha	Nil
Area under pits	1.313ha	1.824ha	7.094ha
Infrastructure & Road	0.10ha	0.10ha	Nil
Mineral storage	Nil	Nil	Nil
Plantation	Nil	0.25ha (500 No.)	0.50ha (1000 No.)
Un-worked area	6.176ha	5.185ha	0.265ha
Total	7.859 ha	7.859 ha	7.859 ha
Water body	0.50ha	0.50ha	5.254ha
Area to be reclaimed	Nil	0.0895ha	1.84ha
Plantation			
Un-worked area	Nil	0.25ha (500 No.)	0.50ha (1000 No.)
Backfilled area	Nil	Nil	1.84ha (3680 No.)
Bench area	Nil	Nil	1.015 ha (2000 No.)
Total area for plantation	Nil	0.25ha (500 No.)	3.355ha (6680 No.)

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

(C) ENTIRE LIFE OF THE PROJECT

36. In the proposed EMP, capital cost is Rs. 52.45 Lakh is proposed and Rs. 13.54 Lakh /year as recurring expenses.

36. Under CSR activity Rs. 2.50 Lakhs is proposed in different activities and should be implemented through respective committees. Rs 18 Lakhs is proposed for public hearing related issues.
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 08.01.2020.
41. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

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

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

The case was presented by the PP and their consultant, wherein following details were submitted by PP:

Objective	To obtain TOR for capacity expansion of Bhatia Limestone Mines (4.29ha)
Existing Capacity	30000 TPA
Proposed Capacity	50260 TPA

Promoters of the Project	M/s KJS Cement Ptd., Village- Amilia, Lakhwar, Near NH-7, Maihar, Dist. Satna (MP)
Location of Project	Village- Bhatia, Tehsil- Maihar, Dist-Satna (MP)
Land use	Pvt. Land
Topo sheet No.	63 D/15
Khasara No.	P 965, 998, P 999, P1002
Lease period	50 Years from 28.06.1983 to 27.06.2033
Surrounding features	East- Other mine, West- Other mine, North - Other Mine, South – Other mines and crusher

Salient Features of the Mine-

Particulars	Details
Type of Mine	Open Cast
Mining Lease Area	4.29 ha
Mineable Area	4.29 ha
Existing Pits & Quarries	1.80 ha
Existing Dumps	0.5547ha
Plantation	Nil
Existing water body	0.20 ha
Existing backfilled area	Nil
Mineable Reserve	670068.00 MT
Method of mining	Mechanised
Ultimate Depth of Mining	8 m bgl (324 m MSL)
Ultimate Pit Slope	45°
Expected Life of Mines	13.72 says 14 years
Stripping Ratio	1:0.08 to 1:034
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil

Area covered under pit in conceptual period	3.61 ha
Area to be backfilled by conceptual period	0.7750 ha
Area to be covered under plantation by conceptual period	1.972 ha
Area to be covered under water reservoir	2.3180 ha
Elevation	337-332 m MSL
Ground water table	
Pre monsoon	315m MSL (17m bgl)
Post monsoon	320 m MSL (12m bgl)
Production per day in MT	168MT
Dumper required per day (40MT)	4 no.

Environmental setting around project location-

Particulars	Details
Village	Bhatia
Tehsil	Maihar
District	Satna
State	MP
Latitude Longitude	24°17'37.00"N to 24°17'44.80"N 80°53'18.7"E to 80°53'32.8"E
General Ground Level	335m MSL
Elevation range	Highest – 337m MSL Lowest – 332m MSL
Nearest Village	Bhatia -0.80 km -W
Nearest National/state Highway	NH-7 - 1.25 km - S
Nearest Railway Station	Maihar Railway Station – 13.75Km
Nearest Airstrip	Satna - 30.0 km
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)	RF - 2.25km
Hills/valley within 10 km radius	Kaymore hill - 7.00 km - S

Details on mining aspects-

- Opencast mechanised mining is proposed for proposed mining.
- Lump of Limestone will be transported from pit bottom to surface by dumper
- Presently one pit has been observed in lease area , which covers by 1.80ha area having depth of 324.6 m AMSL.
- During the proposal period; one development bench and two production benches are proposed with height of 5.5m and width will be 5 m respectively from 337m to 324 m AMSL.
- During the conceptual period 11 m wide haulage roads will be maintained and developed at required places with gradient of 1:16.
- At the End of SOM period, about 2.0110ha area will be excavated up to 324m AMSL.
- At the end of conceptual period, about 3.61 ha area will be excavated up to 324m AMSL and out of this about 0.7750 ha area will be backfilled using mine waste and rest of mined out area i.e. 2.3180 ha are will be converted as water reservoir with proper fencing.

Conceptual plan of the mining lease area-

Items	Existing	Conceptual Period
Total lease area	4.29 ha	
Ultimate depth of mining	324.6 m MSL	324 m MSL
Ultimate pit slope	55 degree	50 degree
Area under dumps	0.5547 ha	Nil

Area under pits	1.80 ha	3.61ha
Area to be reclaimed	Nil	0.7750 ha
Infrastructure & Road	0.10 ha	Nil
Mineral storage	Nil	Nil
Plantation	Nil	1.972ha
Water body	0.20ha	2.3180 ha

It's being a case of major mineral, committee consider this case as B-1 category and recommended to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs as Annexure-D. Committee also decided to carryout site visit (considering a nearby village area) and may issue further additional TORs points:-

1. Explore such evacuation road that should be left minimum disturbance to surrounding villages.
2. Proposed plantation nearby villages, transport road etc.

4. Case No. – 6561/2019 M/s Untra Mines and Minerals, Smt. Pushpa Parmer, Village - Chainpura, Tehsil - Thandla, Dist. Jhabua, MP, Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (48,500 cum per annum) (Khasra No. 550, 552, 577), Village - Manpur, Tehsil - Thandla, Dist. Jhabua (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 550, 552, 577), Village - Manpur, Tehsil - Thandla, Dist. Jhabua (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's Office letter No. 4417 dated: 12/09/2019 has reported that there are 02 more mine operating or proposed within 500 meters around the said mine total area of 8.00 ha., including this mine.

The case was scheduled for presentation in the 410th SEAC meeting dated 02/12/2019 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. PP was also absent in the 401st SEAC meeting dated 01/11/2019. 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 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 410th SEAC meeting dated 02/12/2019 and 401st SEAC meeting dated 01/11/2019. 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.

5. Case No. – 6330/2019 Shri Ramesh Agrawal S/o Shri Bisenlal Agrawal, Akbar Ward, Barapathar, Dist. Seoni, MP – 480661 Prior Environment Clearance for Metal Stone Quarry in an area of 1.950 ha. (21,513 cum per annum) (Khasra No. 15, 16, 17), Village - Gangeruwa, 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. 15, 16, 17), Village - Gangeruwa, Tehsil - Seoni, Dist. Seoni (MP) 1.950 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. 1983 dated: 05/02/19 has reported that there is 05 more mine operating or proposed within 500 meters around the said mine with total area of 14.65 ha., including this mine.

This case was scheduled for presentation in 394th SEAC meeting dated 31/08/2019, 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 388th SEAC meeting dated 08/08/2019 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 2881 dated 30/10/2019 has forwarded this case to SEAC by stating that: PP has requested to relist the case vide letter dated 28.09.19 for appraisal in SEAC. After discussion, it has been decided to relist the case and send the technical file to SEAC for appraisal.

Based on above submission this case was scheduled for presentation and discussion in 405th SEAC meeting dated 08/11/2019 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 presentation in the 410th SEAC meeting dated 02/12/2019 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. PP was also absent in the 405th SEAC meeting dated 08/11/2019. 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 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 410th SEAC meeting dated 02/12/2019 and 405th SEAC meeting dated 08/11/2019. 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.

6. **Case No. – 6646/2019 Shri Mahendra Sharma S/o Shri Ramavtar Sharma, 23A, New Sarika Nagar, Darpan Colony, Thatipur, Near BVM College, Gird Gwalior, Dist. Gwalior Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (50,000 to 3,00,000 cum per annum) (Khasra No. 1772), 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. 1772), Village - Prakash Bamhauri, Tehsil -

Gaurihar, Dist. 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. 3399 dated: 06/07/19 has reported that there are no more mines operating or proposed within 500 meters around the said.

The case was presented by PP and their consultant in 408th SEAC meeting dated 27/11/2019, wherein it was recorded that this is case of capacity expansion from 50,000 to 3,00,000 cum per annum. PP has annexed the earlier EC issued from DEIAA Chhatarpur vide letter no 2700/DEIAA/EC/2017 dated 13/11/2017. PP further submits the half annually compliance report vide letter dated 07/11/2019 to competent authority and present the copy of same during presentation.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha Road	30	East	Protection plan is needed.
Habitation	100 70	North South	Protection plan is needed.
Trees	Within lease	North-East	Commitment of PP that no tree cutting shall be carried-out without permission from competent authority.
One Residential Structure	Within lease	South	Protection plan is needed.

During presentation, it was observed by committee that within 500 meters radius, two other mines seems to be in operation where mining is being carried out since 2017 which can be verified through Google image (from 2017 to 2019) as in 2017 entire hillock was intact wherein in 2019 most part of hillock is mined out but Mining Officer vide letter No. 3399 dated: 06/07/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine which is doubtful on above grounds. Thus committee after

deliberation decided that PP shall obtain clear justification regarding number of mines in 500 meters around the said mine on grounds stated above and same should be verified by the competent authority. Further it was observed by the committee that two residential areas are in existence in close vicinity of the lease and considering the proposed volume of excavation (3,00,000 cum per annum) and movement of heavy transportation involved, the detailed protection plan shall be submitted. Committee also proposed to carryout site visit of this lease after submission of revised MO certificate and following details from PP for further consideration of this case.

- Revised M.O certificate regarding number of mines within 500 meters radius of this mine.
- Commitment from PP that existing Residential shelter in lease shall be converted into site office.
- Inventory of trees in lease area with commitment that no tree cutting shall be carried-out without permission from competent authority and area will be declared as non mining area.
- Protection plan for nearest habitations and kachha road on East side considering high volume of mineral excavation and proposed rate of blasting.
- Commitment of PP for providing pucca evacuation route to carry 40 MT truck load considering the production vary high capacity with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides. Commensurate budget for evacuation route shall be provided in the EMP.
- Commitment of PP that no evacuation shall be carried out from the village side

PP vide letter dated 07.12.2019 submitted query reply asked by the committee in the 408th SEAC meeting dated 27.11.2019, in which the Mining Officer mentioned vide letter no. 5686 dated: 03/12/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Meanwhile, SEIAA vide letter no. 3551 dated 18.12.2019 in the same context enclosed Mining Officer vide letter No. 5735 dated 07/12/2019 wherein M.O. reported that there are 09 mines are sanctioned within 500 meters around this mine and regarding this earlier issued letter was due to typographical error, now requested to considered 09 mines are sanctioned within 500 meters within this mine with total area of 23.40 ha.

In this above context the case was scheduled for presentation and the case was presented by PP and their consultant wherein PP/consultant were asked to show the proposed monitoring locations but same were not available in the presentation. PP/consultant were asked to submit

proposed monitoring locations as this information is very crucial at the time of TOR approval for which PP/consultant submitted that within an hour they will submit the same. PP submitted proposed monitoring locations within 10 KMs radius of air and noise after some time and then case was considered for TOR. After detailed discussion and deliberation committee decided that as per revised certificate issued by MO, this case has become case of TOR with total area of 23.40 ha., within 500 meter radius including this mine. Committee recommended that earlier queries issued in the 408th SEAC meeting dated 27/11/2019 will become part of TOR points and should be addressed by PP in the proposed EIA report. 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:-

- Commitment from PP that existing Residential shelter in lease shall be converted into site office.
- Inventory of trees in lease area with commitment that no tree cutting shall be carried-out without permission from competent authority and area will be declared as non mining area.
- Protection plan for nearest habitations and kachha road on East side considering high volume of mineral excavation and proposed rate of blasting.
- Commitment of PP for providing pucca evacuation route to carry 40 MT truck load considering the production vary high capacity with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides. Commensurate budget for evacuation route shall be provided in the EMP.
- Commitment of PP that no evacuation shall be carried out from the village side

7. Case No. – 6683/2019 Shri Rajendra Kumar Tamarkar, R/o Vijay Nagar, Dist. Damoh Prior Environment Clearance for Crusher Stone Quarry in an area of 1.40 ha. (12,004 cum per annum) (Khasra No. 234/2, 234/3 Parts), Village - Aapchand, Tehsil - Sagar, Dist. Sagar, (MP).

This is case of Crusher Stone Mining Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 234/2, 234/3 Parts), Village - Aapchand, Tehsil - Sagar, Dist. Sagar, (MP) 1.40 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1312 dated: 09/08/18 has reported that there are 09 more mines operating or proposed within 500 meters around the said mine total area of 14.15 ha., including this mine.

Earlier this case was scheduled for presentation in the 411th SEAC meeting dated 03/12/2019 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 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, during presentation as per Google image based on coordinates provided by PP, it was observed that the lease is already excavated, PP stated that this is an old pit and they have received lease in as it is condition and no mining has done by them. Being it's a case Stone Quarry with total area of 14.15 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:-

- Detailed study of ground vibration and fly rocks shall be done.
- Top soil management plan should be addressed in EIA report.
- Proposal for 1400 plants with species and location shall be given in the EIA report.
- Environmental monitoring/sampling shall be conducted as per prescribed in the standard TOR.

8. **Case No. – 6273/2019 M/s Wagad Infraprojects Pvt. Ltd, Halmukam, Dhanwantri Nagar, Dist. Jabalpur, MP Prior Environment Clearance for Basalt/Boulder & Crusher Stone Quarry in an area of 1.31 ha. (10,530 cum per annum) (Khasra No. 105P), Village - Manegaon, Tehsil - Jabalpur, Dist. Jabalpur (MP).**

This is case of Basalt/Boulder & Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 105P), Village -

Manegaon, Tehsil - Jabalpur, Dist. Jabalpur (MP) 1.31 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. NIL dated: 22/01/19 has reported that there is 19 more mine operating or proposed within 500 meters around the said mine with total area of 38.44 ha., including this mine.

The case was presented by the PP and their consultant in 377th SEAC meeting dated 02/07/2019, being it's a case Stone Quarry with total area of 38.44 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. Hydro-geological study is to be done as mining is proposed more than 30 meters depth.
2. River canal is situated at 440 meters in the north – east direction of the lease. PP will submit protection measures to avoid any harm due to blasting in the EIA report.

PP vide letter dated 23/11/19 has submitted that due to typographical error, production capacity of five years had been mentioned in Form-1 instead of per year production. Hence, revised form-1 for amendment in production quantity from 52,650 cum/year to 10,530 cum/year which is forwarded by SEIAA vide letter NO. 3328/SEIAA/19 dated 27/11/19.

Based on above submission this case was scheduled for the presentation in the 412th SEAC meeting dated 09/12/2019 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 presented by the PP and their consultant wherein PP stated that due to typographical error, production capacity of five years had been mentioned in Form-1 instead of per year production. Hence, revised form-1 for amendment in production quantity from 52,650 cum/year to 10,530 cum/year has submitted by them through SEIAA.

The committee after deliberations recommended the revised TOR with amendment in production quantity i.e. 10,530 cum/year. The other TOR points recommended in 377th SEAC meeting dated 02/07/2019, issued vide no. 534 dated 08.08.2019 will be remains unchanged .

9. Case No. – 6271/2019 M/s Wagad Infraprojects Pvt. Ltd, Halmukam, Dhanwantri Nagar, Dist. Jabalpur, MP Prior Environment Clearance for Basalt/Boulder & Crusher Stone Quarry in an area of 3.40 ha. (24,532 cum per annum) (Khasra No. 17P & 24P), Village - Manegaon, Tehsil - Jabalpur, Dist. Jabalpur (MP).

This is case of Basalt/Boulder & Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 17P & 24P), Village - Manegaon, Tehsil - Jabalpur, Dist. Jabalpur (MP) 3.40 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. NIL dated: 21/01/19 has reported that there is 19 more mine operating or proposed within 500 meters around the said mine with total area of 38.44 ha., including this mine.

The case was presented by the PP and their consultant in 377th SEAC meeting dated 02/07/2019, being it's a case Stone Quarry with total area of 38.44 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. Hydro-geological study is to be done as mining is proposed more than 30 meters depth.
2. The village is very adjacent to the mine lease in the north- east corner of the lease even one of the coordinate is falling in the village. PP will submit revised coordinates, production plan and discuss protection measures to avoid fly rocks due to blasting in the EIA report.

PP vide letter dated 23/11/19 has submitted that due to typographical error, production capacity of five years had been mentioned in Form-1 instead of per year production. Hence,

revised form-1 for amendment in production quantity from 1,22658 cum/year to 24,532 cum/year which is forwarded by SEIAA vide letter NO. 3430/SEIAA/19 dated 06/12/19.

The case was presented by the PP and their consultant wherein PP stated that due to typographical error, production capacity of five years had been mentioned in Form-1 instead of per year production. Hence, revised form-1 for amendment in production quantity from 1,22658 cum/year to 24,532 cum/year has submitted by them through SEIAA.

The committee after deliberations recommended the revised TOR with amendment in production quantity i.e. 24,532 cum/year. The other TOR points recommended in 377th SEAC meeting dated 02/07/2019, issued vide no. 534 dated 08.08.2019 will be remains unchanged .

10. Case No. – 6620/2019 Smt. Ambika Sharma W/o Mohandutt Sharma, Ward No. 07, Shreeram Dharmashala, Jai Stambh Chowk, Dist. Sheopur, MP – 476337 Prior Environment Clearance for Stone Quarry in an area of 4.950 ha. (174333.6 tonne per annum) (Khasra No.21/1/1), Village - Kaithau Pahadi, Tehsil - Tikamgarh, Dist. Tikamgarh (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No.21/1/1), Village - Kaithau Pahadi, Tehsil - Tikamgarh, Dist. Tikamgarh (MP). 4.950 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. Nil dated: 26/02/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation in the 406th SEAC meeting dated 25/11/2019 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 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 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 406th SEAC meeting dated 25/11/2019. 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.

11. **Case No. – 6654/2019 M/s Chetak Enterprises, Shri Manohar Lal Anjana S/o Bheru Lal Anjana, R/o Village - Kesunda, Tehsil - Chhotisadri, Dist. Pratapgarh Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (25,000 cum per annum) (Khasra No. 1/2), Village - Bisalwaskhurd, Tehsil - Neemuch, Dist. Neemuch, (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1/2), Village - Bisalwaskhurd, Tehsil - Neemuch, Dist. Neemuch, (MP).4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1106 dated: 08/11/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation in the 406th SEAC meeting dated 25/11/2019 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 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 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 406th SEAC meeting dated 25/11/2019. 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.

12. **Case No. – 6652/2019 M/s U.B.Infrastructure, Shri Vikram Anjana, R/o Village - Kesunda, Tehsil - Chootisadri, Dist. Pratapgrah, Raj. Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (25,000 cum per annum) (Khasra No. 1/2), Village - Bisalwaskhurd, Tehsil - Neemuch, Dist. Neemuch, (MP).**

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

Neemuch, Dist. Neemuch, (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1105 dated: 08/11/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation in the 409th SEAC meeting dated 28/11/2019 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 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 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 409th SEAC meeting dated 28/11/2019. 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.

13. Case No. – 6647/2019 Shri Anil Kumar Jain S/o Shri Bherulal Jain, Rajgarh, Dist. Jhabua, MP – 457661 Prior Environment Clearance for Stone Quarry in an area of 3.80 ha. (6,790 cum per annum) (Khasra No. 773/2), Village - Paledi, Tehsil - Rama, Dist. Jhabua, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 773/2), Village - Paledi, Tehsil - Rama, Dist. Jhabua, (MP) 3.80 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 431 dated: 28/05/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation in the 407th SEAC meeting dated 26/11/2019 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 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 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 407th SEAC meeting dated 26/11/2019. 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.

14. Case No. – 6666/2019 Shri Santosh Shukla, Village - Kudari, Tehsil & Dist. Sagar, MP – 470115 Prior Environment Clearance for Crusher Stone Quarry in an area of 2.00 ha. (2,025 cum per annum) (Khasra No. 56), Village - Kudari, Tehsil - Sagar, Dist. Sagar, (MP).

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 56), Village - Kudari, Tehsil - Sagar, Dist. Sagar, (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. 283 dated: 04/09/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation in the 408th SEAC meeting dated 27/11/2019 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 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 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 408th SEAC meeting dated 27/11/2019. 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.

15. Case No. – 6664/2019 Smt. Kshama Dangi, Bhagat Singh Ward, Tehsil - Khurai, Dist. Sagar, MP – 470117 Prior Environment Clearance for Boulder Quarry in an area of 1.20 ha. (2,385 cum per annum) (Khasra No. 810/1), Village - Khimiasa, Tehsil - Khurai, Dist. Sagar, (MP)

This is case of Boulder Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 810/1), Village - Khimiasa, Tehsil - Khurai, Dist. Sagar, (MP) 1.20 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 399 dated: 22/02/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation in the 409th SEAC meeting dated 28/11/2019 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 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 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 409th SEAC meeting dated 28/11/2019. 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.

16. DEIAA/01/Kh-01/2017/Hoshangabad- EC Issued by DEIAA - Sarpanch Gram Panchayat, Chaplaser, Distt. Hoshangabad (EC Issued by DEIAA) Approval of EMP of Sand Mine in an area of 5.0 ha (50,000 Cum/Year) at Khasra No.1 Village Chaplaser, Tehsil – Babai, Distt. Hoshangabad

SEIAA vide letter no 3666 dated 03/01/2020 has forwarded this case to SEAC by stating that: *Hon'ble NGT (PB) vide order dated 26.07.2019 has given following direction in OA No 726/2018-Mr Rupesh Pethe Vs State of M.P. & others:*

“The mining lease has to be granted only after Environmental Management Plan is reviewed by the SEIAA following the sustainable Sand Mining Guidelines -2016 of MoEF & CC of the year 2016.

The state of M.P. may ensure compliance of the judgment of the Hon’ble Supreme Court in Deepak Kumar (Supra) and of his Tribunal in Satendra Pandey (Supra) and permit mining only after Environmental Management Plan is approved by the SEIAA”.

In compliance of the above order dated 26.07.19 passed by Hon’ble NGT in the matter of OA No. 726/2018, PP has submitted Environmental Management Plan in SEIAA vide letter dated 06.12.19 for necessary action. After discussion, it was decided to send the EMP submitted by PP to SEAC for review and critical examination for considering necessary approval as per direction of Hon’ble NGT.

Based on above submission this case was scheduled for EMP presentation in this meeting.

The EMP was presented by PP and their consultant. PP submitted they have submitted to copy of earlier EC, CTO obtained from MPPCB, Verified volume of sand evacuated from the lease by concerned authority, lease transfer order from earlier PP to Gram Panchayat copy of six monthly compliance reports with photographs submitted to concerned authority and EMP with replenishment plan. PP further submitted that they have also submitted their desired declaration and RQP affidavit as the proposed EMP in prepared by RQP.

Committee after presentation asked PP to revise the plantation species, their number accordingly to lease area (@ 1000/ ha.) in scheme of plantation and commensurate budget shall also be revised in EMP with additional budget for pollution checks of vehicles etc as suggested during presentation.

PP revised the plantation scheme and EMP as suggested by committee. Committee after deliberation recommends the revised EMP submitted by PP for Rs. 22.27 Lakhs as Capital and Rs. 2.34 Lakhs/ Year as Recurring cost for various proposed activities.

17. Sarpanch Gram Panchayat, Chaplaser, Distt. Hoshangabad (Case of DEIAA Hoshangabad) Approval of EMP of Sand Mine in an area of 5.0 ha (50,000 Cum/Year) at Khasra No.1 Village Chaplasar, Tehsil – Babai, Distt. Hoshangabad.

The case was scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any

commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

18. DEIAA/06/Kh-03/2018/Hoshangabad (EC Issued by DEIAA) - Sarpanch Gram Panchayat, Dongarwada, Distt. Hoshangabad (Case of DEIAA Hoshangabad) Approval of EMP of Sand Mine in an area of 5.0 ha (75,000 Cum/Year) at Khasra No.3 Village Dongarwada, Tehsil & Distt. Hoshangabad

SEIAA vide letter no 3804 dated 07/01/2020 has forwarded this case to SEAC by stating that: *Hon'ble NGT (PB) vide order dated 26.07.2019 has given following direction in OA No 726/2018-Mr Rupesh Pethe Vs State of M.P. & others:*

“The mining lease has to be granted only after Environmental Management Plan is reviewed by the SEIAA following the sustainable Sand Mining Guidelines -2016 of MoEF & CC of the year 2016.

The state of M.P. may ensure compliance of the judgment of the Hon'ble Supreme Court in Deepak Kumar (Supra) and of his Tribunal in Satendra Pandey (Supra) and permit mining only after Environmental Management Plan is approved by the SEIAA”.

In compliance of the above order dated 26.07.19 passed by Hon'ble NGT in the matter of OA No. 726/2018, PP has submitted Environmental Management Plan in SEIAA vide letter dated 20.12.19 for necessary action. After discussion, it was decided to send the EMP submitted by PP to SEAC for review and critical examination for considering necessary approval as per direction of Hon'ble NGT.

Based on above submission this case was scheduled for EMP presentation in this meeting.

The EMP was presented by PP and their consultant. PP submitted they have submitted to copy of earlier EC, CTO obtained from MPPCB, Verified volume of sand evacuated from the lease by concerned authority, lease transfer order from earlier PP to Gram Panchayat copy of six monthly compliance report with photographs submitted to concerned authority and EMP with replenishment plan. PP further submitted that they have also submitted their desired declaration and RQP affidavit as the proposed EMP in prepared by RQP.

Committee after presentation asked PP to revise the plantation species, their number accordingly to lease area (@ 1000/ ha.) in scheme of plantation and commensurate budget shall also be revised in EMP with additional budget for pollution checks of vehicles etc as suggested during presentation.

PP revised the plantation scheme and EMP as suggested by committee. Committee after deliberation recommends the revised EMP submitted by PP for Rs. 20.83 Lakhs as Capital and Rs. 2.34 Lakhs/ Year as recurring cost for various proposed activities.

19. Case No.-5254/2016 M/s Makhan Minerals LLP, Hoshangabad, MP – 464001. Prior Environment Clearance for Sand Mining in an area of 17.00 ha. (1,70,000 cum/year) at Khasra no.-1/1, Village-Pawarkheda, Tehsil - Hoshangabad, Dist. Hoshangabad (MP).

This is case of Sand mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-1/1, Village-Pawarkheda, Tehsil - Hoshangabad, Dist. Hoshangabad (MP) 17.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 32 dated: 13/04/16 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 341.61 ha including this mine.

As per MO certificate no. 32 dated 13/04/2016, there are there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 341.61 ha including this mine and thus the case was scheduled for approval of TOR.

PP vide letter dated 19/07/2016 has submitted a representation which was forwarded by the SEIAA vide letter no. 2736 dated 26/07/2016 referring GOI, MoEF&CC Notification dated 01/07/2016 and requested that their case may be considered as B2 category.

In the GOI, MoEF&CC notification dated 01/07/2016 it is stated that “*A cluster shall be formed when the distance between the peripheries of one lease is < than 500 meter from the periphery of other lease in a homogeneous mineral area which shall be applicable to the mine leases or query license granted on and after 09/09/2013*”.

MP State Mining Corporation Limited, Bhopal vide their letter no. 397 dated 09/08/2016 has also informed that it is a case of non-cluster as per GOI, MoEF&CC notification dated 01/07/2016 as this lease was sanctioned prior to the 09/09/2013. Concerned Mining Officer vide letter no. 489 dated 29/07/2016 has issued a certificate stating that above lease was

sanctioned vide order no. 3872/46/2005/2 dated 03/10/2005 and thus does not falls under the perview of cluster approach as per GOI, MoEF&CC notification dated 01/07/2016.

SEIAA vide letter no. 3172/SEIAA/16 dated 16/08/2016 and 3240/SEIAA/16 dated 26/08/2016 has also instructed to appraise such cases on priority as per GOI, MoEF&CC notification dated 01/07/2016 and thus committee decided that as per the above instructions of SEIAA, all such cases should be appraised on the priority on the basis the lease documents available in the file/representation submitted by the PP.

The case was presented by the PP and their consultant in the 46th SEAC II meeting dated 26/08/2016 and was considered as B2 (non-cluster) on the basis of letter submitted by MP State Mining Corporation Limited, Bhopal vide their letter no. 397 dated 09/08/2016 that it is a case of non-cluster as per GOI, MoEF&CC notification dated 01/07/2016 as this lease was sanctioned prior to the 09/09/2013. Concerned Mining Officer vide letter no. 489 dated 29/07/2016 has issued a certificate stating that above lease was sanctioned vide order no. 3872/46/2005/2 dated 03/10/2005 and thus does not falls under the perview of cluster approach as per GOI, MoEF&CC notification dated 01/07/2016. The submissions made by PP were found satisfactory and acceptable and thus the 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':

- Production of Sand as per mine plan with quantity not exceeding 1,70,000 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 100 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

SEIAA vide letter no 3930/SEIAA/16 dated 06.10.2016 sent back the file to SEAC for appraisal on the basis of revised map submitted by the OIC, MPSMCL and Mining Officer, Hoshangabad which was placed before the committee.

On perusal of the case file and concerned documents it is found that, earlier the total area was calculated on the basis of “Ekal Pramanpatra” issued by the Asstt. Mining Officer (AMO) vide letter dated 12/06/2016 stating that total area of leases within 500 meters is 341.61ha as AMO has mentioned the total area of Mehraghat, Khasra No. 365 as 233.310ha. AMO has not mentioned the individual areas of mines existing within 500 meters and thus the total area was added and case considered as “Cluster”.

As per the revised certificate issued by the Shri R.K. Nema, OIC, MPSMCL and Mining Officer, Hoshangabad forwarded as per SEIAA letter no 3930/SEIAA/16 dated 06.10.2016, there are 09 more mines within 500 meters with total area of 116.975 ha.

As stated earlier, MP State Mining Corporation Limited, Bhopal vide their letter no. 397 dated 09/08/2016 has informed that that it is a case of non-cluster as per GOI, MoEF&CC notification dated 01/07/2016 as this lease was sanctioned prior to the 09/09/2013. Concerned Mining Officer vide letter no. 489 dated 29/07/2016 has issued a certificate stating that above lease was sanctioned vide order no. 3872/46/2005/2 dated 03/10/2005 and thus does not falls under the perview of cluster approach as per GOI, MoEF&CC notification dated 01/07/2016.

Committee after deliberations decided that on the basis of above certificates issued by the MP State Mining Corporation Limited, Bhopal and Mining Officer this mine does not falls under the perview of cluster approach as per GOI, MoEF&CC notification dated 01/07/2016 and again recommend the case for grant of prior EC as per the minutes of 46th SEAC II meeting dated 26/08/2016.

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

Discussions based on quarry reply submitted by PP.

20. **Case No. - 5749/2018 M/s. Fortune Builders, 157, Zone-1, M. P. Nagar, Bhopal, (M.P.) – 462001. Prior Environment Clearance for Construction of Group Housing Project "Fortune Kasturi" (Total Project Area = 21120 sqm., Total Built up Area = 38370.4 sqm) Khasra No. – 8/1/13/K, 8/2/1/1, 11/1/2, at Village - Jatkhedhi, Tehsil - Huzur & Dist. Bhopal, (M.P.) Category: 8(a) Building & Construction Project.ENV Developmental Assistance Systems Pvt. Ltd, Lucknow.**

This is case of Prior Environment Clearance for Proposed Construction of Group Housing Project "Fortune Kasturi" (Total Project Area = 21120 sqm., Total Built up Area = 38370.4 sqm) Khasra No. – 8/1/13/K, 8/2/1/1, 11/1/2, at Village - Jatkhedhi, Tehsil - Huzur & Dist. Bhopal, (M.P.) (Total Project Area = 21120 sqm., Total Built up Area = 38370.4 sqm) Cat. 8(a) Building and Construction Projects. The project requires prior EC before commencement of any activity at site.

This case was scheduled in 331st SEAC meeting dated 25/10/2018 wherein ToR (For Violation) has been recommended.

PP has submitted the EIA report vide letter dated 30/11/2019 which was forwarded through SEIAA vide letter no. 3466 dated 09/12/2019.

In the 414th SEAC meeting dated 06/01/2019, the EIA incorporating remediation plan and natural community resource augmentation plan was presented by the PP and their consultant wherein in the beginning, PP presented project chronology of the project.

The application for grant of environment clearance was submitted to MPSEAC on 29/12/2014. Project was appraised in 172th, 182nd & 255th SEAC meeting dtd. 22 Feb 2015, 28.03.2015 & 02.01.2016 respectively. During appraisal it was admitted by project proponent that construction work at the site has already been initiated without securing the prior Environment Clearance form MPSEIAA. After deliberations, committee decided to visit the project site for physical verification of construction status. Two members subcommittee visited the site on 17/01/16 and submitted the report to SEAC along with a response for the queries raised during site visit in the form of affidavit. Case was appraised again in 277th meeting dtd 31/05/2016. During deliberations over inspection report, committee observed that PP has shown positive intent for compliance of environmental norms. The committee found compliances satisfactory and recommended the project to SEIAA for grant of EC subject to the special conditions. At

MPSEIAA the case was kept in abeyance in absence of clear cut directions from MoEF & CC for violation cases. Further the case was delisted in the light of notification issued by MoEF & CC dtd 14.03.2017, which provides the guidelines to deal with violation cases at EAC, MoEF & CC, New Delhi. Taking reference from the above said notification dtd 14.03.2017; we have submitted the application under violation category for the grant of Environment Clearance at EAC, MoEF & CC.

PP again applied in State Expert Appraisal Committee as per notification dated 8 March 2018 in which it has been directed that all “Category B” project will be appraised at SEAC. Project was appraised in 331st SEAC meeting dated 25.10.2018 and ToR was issued vide letter no 378/PS-MS/MPPCB/SEAC/TOR (331)/2018.

Construction Status:

The project is a case of violation on account of not securing prior environment clearance before starting the construction activities at site. The construction work was started at site and approximately 88% of construction work was completed before the application was submitted to MPSEIAA for grant of prior environmental clearance.

Type of dwelling units	Units proposed (Total 410)	Possession Given	Units incomplete	Units completed	Percentage
Flats	361	100	49	361	88%
LIG/EWS	42				
Commercial	7				

Site Details:

S. No	Items	Details
1.	Type of Building	Residential
2.	Total Plot Area	21,120 m ²
3.	Area of land under 24 m wide road	2834.27 m ²
4.	Net Plot Area	18285.73 m ²
5.	Total Ground Coverage	Permission Ground Coverage= 30% of 18285.73 m ² = 5485.72 m ² Proposed = 5449.47 m² (29.8%)

6.	FAR	Permissible FAR @1.25 = 29942.84 m ² (Additional FAR of area under 24 m wide road) Proposed FAR = 29942.84 m²
7.	Total (Non- FAR area) (Basement and other services)	Basement : 480 m ² Stilt Area: 4564.72 m ² Other Services: 182.85 m ² LIG = 2994.28 m ² Informal Sector = 685.71 m ² Total: 8907.56 m²
8.	Built up area	33805.69 m² (FAR + Non FAR)
9.	Dwelling units	Flats : 361 Units, EWS/LIG: 42 Units, Commercial : 7
10.	Road and internal circulation space/ paved area	10093.26 m ² (55.2% of net plot area)
11.	Landscape	2743 m ² (15% of net plot area)
12.	No. of Trees	Total no. of trees required: 1 Tree/ 80 m ² of Open Area = (Total Planning Area-Ground Coverage)/80 = 15542.88/80 = 194.28 = 194 Trees Proposed: 700 Plants (647 Already planted)
13.	Number of floors & basements	(S+6) Floors,
14.	Parking facilities	Required Total parking required = 299 Vehicle Space (@ 100 sqm FAR) Visitor's Parking (10% of residential parking): 30 Vehicle space Total : 329 Vehicle space Provided - 330 Vehicle Space Four wheeler in stilt parking @ 30 m ² per Vehicle Space = 4564 m ² / 30 m ² = 152 Vehicle Space Four wheeler in open parking space @ 25 m ² per Vehicle Space = 4450 m ² / 25 m ² = 178 Vehicle Space
15.	Power requirement & source	1640 kVA Source : Madhya Pradesh Kshetra Vidyut Vitran Company Limited
16.	Power Backup	1 DG sets of 150 kVA
17.	Solar Lighting	7 nos. of solar street lights are already installed at site. For common area lightening, 3.6 KVA solar panels are installed on roof top.

18.	Water Requirement and Source	Total water requirement: 194 KLD (Fresh water : 134 KLD, Recycled water: 60 KLD) Source: Ground water STP: STP of 250 KLD is already installed.
19.	Rain Water Harvesting Pits	Proposed: 7 pits, Already Constructed: 4 pits
20.	Municipal Solid Waste	1088 Kg/day
21.	Estimated Population (fixed + floating)	Residential including LIG: 2015, Visitors: 200 Staffs: 100
22.	Height of the Building	18 m + Stilt
23.	Connectivity	The proposed site is located on east of NH-12 (Hoshangabad Road). Hanuman Nagar Jatkhedi Road is 480 m (S) from project site. The nearest railway station is Misrod Railway and Habibganj Railway Station which are at an aerial distance of 1 km (SW) and 6 km (North) from the project site respectively. The nearest airport is the Raja Bhoj International Airport, which is about 18 km (North) from the proposed site.
24.	Proposed Remediation Expenditure	Rs. 25,51,500 is proposed as remediation cost.

Further, PP and their consultant presented the EIA incorporating remediation plan and natural community resource augmentation plan. PP stated that they have obtained CGWB permission for GW extraction. After deliberation and detailed discussion committee was asked to PP to clarify/addition following points to ascertain remediation's cost and their corresponding EMP budget during construction & operational period:

1. Revised remediation plan and natural community resource augmentation plan will relevant proofs of activities completed as suggested by committee.
2. Revised plantation schemes as suggested by the committee during presentation.

PP vide their letter dated 07.01.2020 submitted the revised remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation in the tune of suggested guidelines by the committee, with the supported by documentary proofs, such as bills, CA audit, certificates, photographs, prescribed various undertakings and CER.

The revised Proposed Remediation Expenditure Plan for Fortune KASTURI plan submitted by PP is as follows-

S . N o .	Envir onme ntal Facto rs/Att ribute s	Remedial Plan/Augmentation Plan	Remedial Cost (in INR)		Environm ental Manage ment Plan	EMP Cost (in INR)/year		Remark
			Capital Cost	Recu rring Cost		Capital Cost	Re cur rin g Co st	
1	Land use as per approved Master plan by T&CP, Bhopal							Land use of the project site was Residential as per Bhopal Master Plan 2005 attached Annexure - II
	Const ructio n Phase	No Violation			--	--	--	
	Oper ation Phase	No Violation			--	--	--	
2	Environmental Sensitive places, land acquisition status, resettlement & rehabilitation (R&R)							Land has been taken from land owners as JV. JOINT VENTURES AGREEMENT attached as Annexure III
	Const ructio n Phase	No Violation			--	--	--	
	Oper ation Phase	No Violation			--	--	--	
	Baseline Environment Monitoring							

3	Const ructio n 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	NA	7,50,000	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 @ 1000/sample 4. Soil: 2 sample @ 4000/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 . This remediation plan is of 5 years .
	Oper ation Phase	For monitoring of air, water, soil & noise every six month for period of five years 1. Water: 2 GW sample @ 5000/sample 2. Air: 2 Sample @ 5000/sample, 3. Noise: 2 sample @ 1000/sample, DG set 1 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample	NA	NA	For monitoring of air, water, soil & noise every six month 1. Water: 2 GW sample @ 5000/sample 2. Air: 2 Sample @ 5000/sample, DG 1 sample @ 5000/sample	NA	1,50,000	The Remediation plan of Rs. 10, 50,000 will be spent inside the project premises or outside the premises of the project in Plantation .

					3. Noise: 2 sample @ 1000/sample, DG set 1 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample			
4	Air Environment							
	Construction Phase	Water sprinkling	No Violation	No Violation	--	--	--	RMC WAS USED WHILE CONSTRUCTING
		Water pipeline-350m @ Rs 100/m	35,000		--	--	--	RMC WAS USED WHILE CONSTRUCTING
		1000 Water Tanks of 5000 litre @ Rs. 300	1,50,000		--	--	--	RMC WAS USED WHILE CONSTRUCTING. Water was used in CURING .
		Container for Storage of raw material	No Violation	No Violation	--	--	--	RMC WAS USED WHILE CONSTRUCTING
		Green Nets for covering building for 25,000 Sqm area @ Rs 5/Sqm	1,25,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		Barricading of construction area	50,000	Site boundary constructed	--	--	--	Project barricading was constructed in start of Construction of project, therefore cost has not been included in the remediation cost. No proof available
		100 Face mask @ Rs 100	10,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		Vehicle Inspection @ 15,000/year for 2 years		30,000	--	--	--	Proof is not available, therefore cost is taken in

								Remediation Cost
	Operation Phase	Maintenance of 1 no. of DG set/year through AMC for 5 years @ 25,000/year				--	1,25,000	Maintenance of 1 no. of DG set/year through AMC @ 20,000/year. DG set installed Annexure - VI
5	Waste Environment							
	Construction Phase	50 Dustbin @ Rs 200/each	10,000		--	50,000	--	Proof is not available; therefore cost is taken in Remediation Cost. MSW EXPENSES ATTACHED with Property Tax Receipt. Annexure - V
		Safety tapes for barricading the waste	10,000		--	--	--	
		Agency fee for collection & disposal Solid waste for 2 years @ Rs. 1500/month		36,000	--	--	--	
	Operation Phase	15 Dustbin @ Rs 300/each	4,500		Agency fee for collection & disposal Solid waste @ Rs. 100/month	1,50,000		MUNICIPAL CORPORATION FEES IS INCLUSIVE OF PROPERTY TAX Attached also NOC Attached of MSW Disposing ANNEXURE - VI
		Agency fee for collection & disposal Municipal Solid waste		1,50,000		--	12,000	
		STP sludge disposal	No Violation	No Violation	STP sludge disposal	Will be used as manure	--	
6	Water Environment							

Const ructio n Phase	Ground water abstraction	As there was no GW was abstracted because RMC was used. For curing other purpose water tanker was used	1,50,000	NA	NA	NA	Since bills of water tanker are not available. Remediation cost has been added @ 50,000 /year. The total remediation cost for 3 year plan is 1,50,000/-
	Construction of Toilets	No Violation	No Violation	NA	NA	NA	Toilet HAS BEEN constructed. Also household of labors has been constructed as well. Photo graphs attached ANNEXURE - VII
	Toilet maintenance and cleaning for 2 years @ 1500/month		36,000	NA	NA	NA	Photographs Attached ANNEXURE – VIII
	STP installation of 250 KLD	No Violation	No Violation	NA	20,00,000		STP is constructed, Photos attached ANNEXURE – IX
	Construction of 2 RWH	No Violation	No Violation	NA	1,00,000	NA	RWH pits are to be constructed & CGWB compliance to done. Photos attached Annexure – X
Oper ation Phase	Abstraction of Ground water	No Violation	No Violation	NA	NA	NA	Water is being supplied through Municipal Supply. NOC is attached as Annexure XI
	STP operation and maintenance will be done @ Rs 7,500/month for 5 years	No Violation	No Violation	STP operation and maintenance @ Rs 7,500/month	NA	5,50,000	STP is FULL functional. Photos of STP Attached Annexure IX

		Maintenance and cleaning of RWH system	No Violation	1,40,000	Mainten ance and cleaning of RWH system @ Rs 70,000/tw ice in a year	NA	2,50,000	Proof is not available, therefore cost is taken in Remediation Cost
		Cleaning and maintenance of water network @ Rs 70,000/twice in a year	No Violation	1,40,000	Cleaning and mainten ance of water network @ Rs 70,000/tw ice in a year	NA	2,50,000	
7	Occupational Health and Safety of construction worker							
	Const ructio n Phase	First aid kit at site	85,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		PPE for labor	85,000		--	--	--	
		Health checkup for labor twice in a year for 50 LABOR @ 1000/ labor		50,000	--	--	--	
	Oper ation Phase	--			--	--	--	
8	Ecology Environment							
	Const ructio n Phase	Cutting of Trees	No violation	No Viola tion	--	--	--	No tree was felled. No tree was present on the land. Attached affidavit Annexure - I
		Development of Green Area	No violation	No Viola tion		-	8,50,000	Green area will be developed in the project site. Plantation photos attached Annexure - XII

	Oper ation Phase	Maintenance of green area for 1 years after plantation	No violation	No Viola tion	Maintena nce of green area for @ 2,40,000/a nnum	--	2,40,000	Gardner is allocated for maintenance of landscape.
9	Soil Environment							
	Const ructio n Phase	Disposal of excavated soil (20,000 tones , out of this 90% for backfilling & refilling = 18,000 tones). Rest 2,000 tones in plantation	No violation as entire top soil was used in garden and back filling of plinth area.		NA	NA	1,50,000	Proof is not available of excavation.
	Oper ation Phase	--	1,25,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
10	Noise Environment							
	Const ructio n Phase	Site barricading	No Violation	1,50,000	--	--	50,000	Proof is not given , therefore cost is taken in Remediation Cost
		Ear plugs for labour@ Rs 100/pcs (1000 pcs)	1,00,000			--		Proof is not available, therefore cost is taken in Remediation Cost
	Oper ation Phase	Replacement of Vibration pads of DG set (once in five years)	No Violation	50,000	Replacem ent of Vibration pads of DG set	50,000		Five years not completed yet. Hence cost is not taken in remediation cost
11	Energy Conservation							
	Const ructio n Phase	--			--	--	--	

	Operation Phase	Installation of LED Solar Panel	No Violation		--	--	2,25,000	Proof is available photographs attached ANNEXURE XIII
1 2	Transportation of Trucks							
	Construction Phase	Tarpaulin covers for trucks		50,000	--	--	--	Proof is not available. Thus 50,000 is used in remediation cost.
	Operation	--			--	--	--	
1 3	Disaster Management Plan							
	Construction Phase	Earthquake resistant structure	No Violation	No Violation	--	--		Already included in cost of project
		Fire fighting system	No Violation	No Violation			36,80,000	Fire NOC is obtained which is attached as Annexure XIV. Fire Equipments attached photographs attached Annexure - XV.
	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		7,89,500	17,62,000		23,50,000	65,92,000	
		Remediation Cost	25,51,500/-		Cost of EMP	89,42,000		

Expenditure of Proposed Remediation Cost:

Expenditure shall be carried out in the area as per the need based assessment ENV CONSULTANT.

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 KASTURI or any other nearby projects	10,00,000	10,00,000		
ENVIRONMENTAL MONITORING inside or outside of the project	Air, Soil, Water & Noise & STP testing	6,00,000	2,00,000	2,00,000	2,00,000
Installation of FIRE HYDRANT SYSTEMS	Installation of FIRE Fighting Equipments in Future Constructing Buildings	5,51,500	5,51,500		
2. Community Resource Development					
Help of Municipal Authority for maintenance of already developed Park	DEVELOPMENT OF Publics PARK in the city		2,00,000		
3. Natural Resources Augmentation					
Solar street light /LED in nearby road side	8 @ Rs 25,000/ pieces	2,00,000	2,00,000		
Total Remediation Cost (1+2+3)		25,51,500	21,51,500	2,00,000	2,00,000

Thus as above, PP has proposed Rs. 114.935 Lakhs (Rs. 25.515 Lakhs as Remediation Cost and Rs. 89.42 Lakhs for Environment Management Plan) for this project and PP, M/s Fortune Builders, 157, Zone-1, M. P. Nagar, Bhopal, (M.P.) – 462001, has proposed to submit bank guarantee of INR Rs. 25.515 Lakhs towards Remediation Plan.

Committee after considering the reply recommends that PP may be asked to deposit the bank guarantee (BG) with three years validity of Rs. 25.515 Lakhs (equivalent to amount proposed in Remediation Plan /Restoration 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 Proposed Construction of Group Housing Project "Fortune Kasturi" (Total Project Area = 21,120 sqm., Total Built up Area = 38,370.4 sqm) Khasra No. – 8/1/13/K, 8/2/1/1, 11/1/2, at Village - Jatkhedhi, Tehsil - Huzur & Dist. Bhopal, (M.P.), Category: 8 (a) Building & Construction Project. subject to the following special conditions and submission of bank guarantee (BG) with 03 years validity of Rs. 25.515 Lakhs (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board , with following additional conditions:

I. Statutory Compliance

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- iii. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.
- iv. The project proponent shall obtain the necessary permission for drawl of 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. 01 Diesel power generating sets of 150 kVA is proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from DG sets 01 x 150 kVA shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

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

- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. The total water requirement during operation phase is 194 KLD out of which 134 KLD is fresh water requirement and 60 KLD will be the total recycled water generated, out of which 46 KLD recycled water will be used for flushing and 14 KLD water will be used for horticulture.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total 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 04 pits are existing and 03 recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits about 146.18 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 based STP (Capacity - 250 KLD). The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xx. The waste water generated from the project shall be treated in STP of 250 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.
- xxi. No sewage or untreated effluent water would be discharged through storm water drains.
- xxii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxiii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitoring during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

- iii. Acoustic enclosures for DG sets, noise barriers for ground run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures.

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured, Building in the State which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv. Energy Conservation measures like installation of CFLs/LED's for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v. Solar, wind or other renewable energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level /local building bye-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 1104.5 Kg/day, this consist all types of wastes (as Organic waste 1098.0 Kg/day and non- organic waste 06.5 Kg/day, Domestic waste- 1008.0 Kg/day, Horticulture waste 10.0 kg/d) and shall be treated/ disposed off as per provision made in the MSW Rules 2016.
- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general

safety and health aspects of people, only in approved sites with the approval of competent authority.

- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (0.4 ton/day) shall be segregated into wet garbage and inert materials.
- v. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto 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 647 trees shall be planted in the area of 2743.0 sq.m (15.0% of total plot area) which is developed as green belt development.
- ii. No tree can be felled/transplant unless exigencies demand. Where absolutely 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 stock piled appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

VIII Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points
 - d. Parking norms as per local regulation
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Total proposed Parking's arrangement for 330 ECS (in which 330 ECS for Silt 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 has proposed Rs. 114.935 Lakhs (Rs. 25.515 Lakhs as Remediation Cost and Rs. 89.42 Lakhs for Environment Management Plan as capital and Rs. 25.515 as recurring cost) for this project.
- vi. Regarding CER PP has submitted that Fortune Kasturi is a partnership firm and thus does not fall within the ambits of definition of corporate as per MCA thus shall be exemption from the condition of CER. Committee after deliberations recommends that SEIAA shall take necessary decision for imposition of CER based on the representation submitted by PP otherwise CER shall be imposed as per the F. No. 22-65/2017-IA-III dated 01 May, 2018.
- vii. The M/s. Fortune Builders, 157, Zone-1, M. P. Nagar, Bhopal, (M.P.) – 462001 has proposed to submit bank guarantee of INR 25.515 Lakh towards Remediation Plan /Restoration Plan.

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.

21. Case No. - 5756/2018 M/s Fortune Builders, Fortune House 157, Zone-1, MP Nagar Bhopal (M.P.)-462016. Prior Environment Clearance for Construction of Group Housing Project "Fortune Signature" Khasra No. 147/7/1/KA, 147/7/1/KHA, 147/5/3, 95/1/KH2, 147/7/3, 147/7/4, 147/7/5, 147/9/KH, 147/9/KHA, 147/9/JHA, 147/9/1/1/1, 147/9/1/2, 147/9/1/1/8, 147/7/2. at Village Bawadia Kala, Tehsil Huzur, District Bhopal (M.P.). Total Project Area- 36,070 m2 (8.9 acres) Total Built up Area – 45,583.75 m2., Category: 8(a) Building & Construction Project. ENV Developmental Assistance Systems Pvt. Ltd, Lucknow (U.P.).

This is case of Prior Environment Clearance for Proposed Construction of Construction of Group Housing Project "Fortune Singnature" Khasra No. 147/7/1/KA, 147/7/1/KHA, 147/5/3, 95/1/KH2, 147/7/3, 147/7/4, 147/7/5, 147/9/KH, 147/9/KHA, 147/9/JHA, 147/9/1/1/1, 147/9/1/2, 147/9/1/1/8, 147/7/2. at Village Bawadia Kala, Tehsil Huzur, District Bhopal (M.P.). Total Project Area- 36,070 m2 (8.9 Acres) Total Built up Area – 45,583.75 m2, Cat. 8(a) Building and Construction Projects. The project requires prior EC before commencement of any activity at site.

This case was scheduled in 331th SEAC Meeting date 25/10/18 meeting wherein ToR (For Violation) was recommended.

PP has submitted the EIA report vide letter dated 30/11/2019 which was forwarded through SEIAA vide letter no. 3464 dated 09/12/2019.

In the 414th SEAC meeting dated 06/01/2019, the EIA incorporating remediation plan and natural community resource augmentation plan was presented by the PP and their consultant wherein in the beginning, PP presented project chronology of the project:

Project Chronology:

The application for grant of environment clearance was submitted to MPSEAC on 29/12/2014. Project was appraised in 172th, 182nd & 255th SEAC meeting dtd. 22 Feb 2015, 28.03.2015 & 02.01.2016, respectively. During appraisal it was admitted by project proponent that construction work at the site has already been initiated without securing the prior Environment Clearance form MPSEIAA. After deliberations, committee decided to visit the project site for physical verification of construction status. Two member subcommittee visited the site on 17/01/16 and submitted the report to SEAC along with a response for the queries raised during site visit in the form of affidavit. Case was appraised again in 277th meeting dtd 31/05/2016. During deliberations over inspection report, committee observed that PP has shown positive intent for compliance of environmental norms. The committee found compliances satisfactory and recommended the project to SEIAA for grant of EC subject to the special conditions. At MPSEIAA the case was kept in abeyance in absence of clear cut directions from MoEF & CC for violation cases. Further the case was delisted in the light of notification issued by MoEF & CC dtd 14.03.2017, which provides the guidelines to deal with violation cases at EAC, MoEF & CC, and New Delhi. Taking reference from the above said notification dtd 14.03.2017; we have submitted the application under violation category for the grant of Environment Clearance at EAC, MoEF & CC.

Again applied in State Expert Appraisal Committee as per notification dated 8 March 2018 in which it has been directed that all “Category B” project will be appraised at SEAC.

Project was appraised in 331st SEAC meeting dated 25.10.2018. ToR has been issued vide letter no. 386/PS-MS/MPPCB/SEAC/TOR/(331)/2018.

Construction Status:

The project is a case of violation on account of not securing prior environment clearance before starting the construction activities at site. The construction work was started at site and

approximately 75% of construction work was completed before the application was submitted to MPSEIAA for grant of prior environmental clearance.

Site Details:

Items	Details
Total Plot area	36,070 sqmt (8.9 acres)
Deductable Area (eg; area under road widening) if any	5,357 sqmt
Net Plot Area	30,713sqmt
Ground Coverage	Permissible: 9,213.9 sqmt (30%), Proposed: 9,213.9 sqmt (30%)
FAR (a)	Permissible: 38,391.25 sqmt (@ 1.25) Compensatory FAR: 13,392.5 sqmt (5357 x 2.5), Total Permissible FAR: 51,783.75 sqmt, Proposed Residential FAR: 45,383.75 sqmt
Service Area (b)	200 sqmt
Total Stilt Area (d)	7618 sqmt
Area for LIG/Informal Sector (e)	691.04 sqmt
Total Built up area	45,583.75 sqmt (a + b)
Total open area	21,499.1 sqmt
Green Area	Required: 3,071.3 sqmt (10% of plot area) Proposed: 6,227 sqmt (20.27% of plot area)
No. of Trees (Required-1 Tree/80 sqm of open area)	Required: 268 Trees/ Provided: 532 Trees(Already Planted)
Total Dwelling Units	Residential: 534, LIG/EWS: 48, Commercial: 3
Road and internal circulation space/ paved area	15272.1 m ² (49.72 % of net plot area)
Estimated Population	Residential – 2,670 (@ 5 person per unit) LIG/EWS- 240 (@ 5 person per unit) Floating – 267 Staff- 139
Area utilization	Ground/Stilt + 6 Floors
Maximum Height	Approx. 20 m
Parking facilities	Required Parking required = 454 Vehicle Space (@ 100 sqm FAR = 45383 sqm/100) Total Parking Required - 454 Vehicle space Provided: Stilt Parking Area @ 30 sqm/ECS = 7618/30 = 254 ECS Open Parking = 221 ECS Provided -475 Vehicle Space

Items	Details
Power requirement & source	2258 KVA Source : Madhya Pradesh KshetraVidyutVitrان Company Limited
Power Backup	1 DG sets of 125 kVA
Water Requirement and Source	Fresh Water- 194 KLD Recycled Water- 97 KLD Source: Ground water till municipal supply is available STP:STP of 400KLD is already installed at the site
Rain Water Harvesting pits	5 RWH pits (Already Constructed)
Municipal Solid Waste	1516 kg/day
Solar Lighting	10 nos. of solar street lights are already installed at site.
Connectivity	The proposed site is located 6.5 km from NH-12. Bhojpur road is 6.5 Km (SE) from project site. The nearest railway station is Misrod Railway and Habibganj Railway Station which are at an aerial distance of 2.5 km (SE) and 5.5 km (N) from the project site respectively. The nearest airport is the Raja Bhoj International Airport, which is about 15 km (NW) from the proposed site..
Proposed Remediation Expenditure	Rs 34,41,436 is proposed as remediation cost.

Further, PP and their consultant presented the EIA incorporating remediation plan and natural community resource augmentation plan. PP stated that they have obtained CGWB permission for GW extraction. After deliberation and detailed discussion committee was asked to PP to clarify/addition following points to ascertain remediation's cost and their corresponding EMP budget during construction & operational period:

1. Revised remediation plan and natural community resource augmentation plan will relevant proofs of activities completed as suggested by committee.
2. Revised plantation schemes as suggested by the committee during presentation.

PP vide their letter dated 07.01.2020 submitted the revised remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation in the tune of suggested guidelines by the committee, with the supported by documentary proofs, such as bills, CA audit, certificates, photographs, prescribed various undertakings and CER.

The revised Proposed Remediation Expenditure Plan for Fortune Signature project submitted by PP is as follows-

S. No.	Environmental Factors/Attributes	Remedial Plan/Augmentation Plan	Remedial Cost (in INR)		Environmental Management 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							Land use of the project site was Residential as per Bhopal Master Plan 2005 attached Annexure - II
	Construction Phase	No Violation			--	--	--	
	Operation Phase	No Violation			--	--	--	
2	Environmental Sensitive places, land acquisition status, resettlement & rehabilitation (R&R)							Project involves no R&R issues. Land has been purchased from land owners. Registry documents are given in Annexure III
	Construction Phase	No Violation			--	--	--	
	Operation Phase	No Violation			--	--	--	

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	NA	10,50,000	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 @ 1000/sample 4. Soil: 2 sample @ 4000/sample	NA		No environment monitoring was done at site on initial starting of the project since the project began in 2011. Hence 2011-12, 2012-13, 2013-14, 2014-15, 2015-16, 2016-17, 2017-18.
	Operation Phase	For monitoring of air, water, soil & noise every six month for period of five years 1. Water: 2 GW sample @ 5000/sample 2. Air: 2 Sample @ 5000/sample, 3. Noise: 2 sample @ 1000/sample, DG set 1	NA	NA	For monitoring of air, water, soil & noise every six month 1. Water: 2 GW sample @ 5000/sample 2. Air: 2 Sample @	NA	1,50,000	This remediation plan is of 5 years. The

		sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample			5000/sample, DG 1 sample @ 5000/sample 3. Noise: 2 sample @ 1000/sample, DG set 1 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample			Remediation plan of Rs. 10, 50,000 will be spent inside the project premises or outside the premises of the project in Plantation .
4	Air Environment							
	Construction Phase	Water sprinkling	No Violation	No Violation	--	--	--	RMC WAS USED WHILE CONSTRUCTING
		Water pipeline-750m @ Rs 100/m	75,000		--	--	--	RMC WAS USED WHILE CONSTRUCTING
		1000 Water Tanks of 7500 litre @ Rs. 300	3,00,000		--	--	--	RMC WAS USED WHILE CONSTRUCTING. Water was used in CURING .
		Container for Storage of raw material	No Violation	No Violation	--	--	--	RMC WAS USED WHILE CONSTRUCTING
		Green Nets for covering building for 45,387.3 Sqm area @ Rs 5/Sqm	2,26,936		--	--	--	Proof is not available, therefore cost is taken in

							Remediation Cost
							Project barricading was constructed in start of Construction of project, therefore cost has not been included in the remediation cost. No proof available
	Barricading of construction area	50,000	Site boundary constructed	--	--	--	
	200 Face mask @ Rs 100	20,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Vehicle Inspection @ 15,000/year for 2 years		30,000	--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
Operation Phase	Maintenance of 1 no. of DG set/year through AMC for 5 years @ 25,000/year				--	1,25,000	Maintenance of 1 no. of DG set/year through AMC @ 20,000/year. DG set installed

								Annexure - VI
5	Waste Environment							
	Construction Phase	250 Dustbin @ Rs 200/each	50,000		--	3,00,00 0	--	Proof is not available, therefore cost is taken in Remediati on Cost. MSW EXPENSES ATTACHE D with Property Tax Receipt. Annexure - V
		Safety tapes for barricading the waste	10,000		--	--	--	
		Agency fee for collection & disposal Solid waste for 2 years @ Rs. 1500/month		36,000	--	--	--	
	Operation Phase	15 Dustbin @ Rs 300/each	4,500		Agency fee for collection & disposal Solid waste @ Rs. 100/month	1,50,0 00		MUNICIPA L CORPORA TION FEES IS INCLUSIVE OF PROPERTY TAX Attached also NOC Attached of MSW Disposing ANNEXUR E - VI
		Agency fee for collection & disposal Municipal Solid waste		1,50,00		--	12,000	
		STP sludge disposal	No Violation	No Violation	STP sludge disposal	Will be used as manur e	--	

Water Environment								
6.	Construction Phase	Ground water abstraction	As there was no GW was abstracted because RMC was used. For curing other purpose water tanker was used	3,75,000	NA	NA	NA	Since bills of water tanker are not available. Remediation cost has been added @ 1,25,000 /year. The total remediation cost for 3 year plan is 3,75,000/-
		Construction of Toilets	No Violation	No Violation	NA	NA	NA	Toilet HAS BEEN constructed. Also household of labors has been constructed as well. Photographs attached ANNEXURE - VII
		Toilet maintenance and cleaning for 2 years @ 1500/month		36,000	NA	NA	NA	Photographs Attached ANNEXURE - VIII
		STP installation of 400 KLD	No Violation	No Violation	NA	27,54,678		STP is constructed, Photos attached ANNEXURE - IX
		Construction of 5 RWH	No Violation	No Violation	NA	3,00,000	NA	RWH pits are to be

							constructe d & CGWB compliance to done. Photos attached Annexure - X
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 XI
	STP operation and maintenance will be done @ Rs 7,500/month for 5 years	No Violation	No Violation	STP operation and maintenanc e @ Rs 7,500/mon th	NA	11,00,0 00	STP is FULL functional. Photos of STP Attached Annexure IX
	Maintenance and cleaning of RWH system	No Violation	1,40,000	Maintenan ce and cleaning of RWH system @ Rs 70,000/twi ce in a year	NA	2,50,00 0	Proof is not available, therefore cost is taken in Remediati on Cost
	Cleaning and maintenance of water network @ Rs 70,000/twice in a year	No Violation	1,40,000	Cleaning and maintenanc e of water network @ Rs 70,000/twi ce in a year	NA	2,50,00 0	
	Occupational Health and Safety of construction worker						
Construction	First aid kit at site	85,000		--	--	--	Proof is

7	Phase	PPE for labor	85,000		--	--	--	not available, therefore cost is taken in Remediation Cost
		Health checkup for labor twice in a year for 50 LABOR @ 1000/ labor		50,000	--	--	--	
	Operation Phase	--			--	--	--	
8	Ecology Environment							
	Construction Phase							No tree was felled. No tree was present on the land. Attached affidavit Annexure - I
		Cutting of Trees	No violation	No Violation	--	--	--	
	Construction Phase							Green area will be developed in the project site. Plantation photos attached Annexure - XII
		Development of Green Area	No violation	No Violation		-	16,52,000	
	Operation Phase	Maintenance of green area for 1 years after plantation	No violation	No Violation	Maintenance of green area for @ 2,40,000/annum	--	2,40,000	Gardner is allocated for maintenance of landscape.
9	Soil Environment							

	Construction Phase	Disposal of excavated soil (36,000 tones, out of this 90% for backfilling & refilling = 33,000 tones). Rest 3,000 tones in plantation	No violation as entire top soil was used in garden and back filling of plinth area.		NA	NA	1,50,000	Proof is not available of excavation .
	Operation Phase	--	1,24,000	--	--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
10	Noise Environment							
	Construction Phase	Site barricading	No Violation	1,50,000	--	--	50,000	Proof is not given , therefore cost is taken in Remediation Cost
		Ear plugs for labour@ Rs 100/pcs (1000 pcs)	1,00,000			--		Proof is not available, therefore cost is taken in Remediation Cost
	Operation Phase	Replacement of Vibration pads of DG set (once in five years)	No Violation	75,000	Replacement of Vibration pads of DG set	50,000		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		--	--	2,75,636	Proof is available photographs attached ANNEXURE XIII
		Solar Panel						
12	Transportation of Trucks							
	Construction Phase	Tarpaulin covers for trucks		50,000	--	--	--	Proof is not available. Thus 50,000 is used in remediation cost.
	Operation	--			--	--	--	
13	Disaster Management Plan							
	Construction Phase	Earthquake resistant structure	No Violation	No Violation	--	--		Already included in cost of project
		Fire fighting system	No Violation	No Violation			40,60,987	Fire NOC is obtained which is attached as Annexure XIV. Fire Equipments attached photographs attached Annexure - XV.
	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		11,30,436	23,11,000		35,54,678	83,21,623	

		Remediation Cost	34,41,436/-	Cost of EMP	1,18,76,301
--	--	-------------------------	--------------------	--------------------	--------------------

Expenditure of Proposed Remediation Cost:

Expenditure shall be carried out in the area as per the need based assessment ENV CONSULTANT.

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 Divine City or any other nearby projects	16,00,000	16,00,000		
ENVIRONMENTAL MONITORING inside or outside of the project	Air, Soil, Water & Noise & STP testing	6,00,000	2,00,000	2,00,000	2,00,000
Installation of FIRE HYDRANT SYSTEMS	Installation of FIRE Fighting Equipments in Future Constructing Buildings	5,00,000	5,00,000		
2. Community Resource Development					
Help of Municipal Authority for maintenance of already developed Park	DEVELOPMENT OF Publics PARK in the city	3,41,436	3,41,436		
3. Natural Resources Augmentation					
Solar street light /LED in nearby road side	16 @ Rs 25,000/ pieces	4,00,000	4,00,000		
Total Remediation Cost (1+2+3)		34,41,436	30,41,436	2,00,000	2,00,000

Thus as above, PP has proposed Rs. 153.17737 Lakhs (Rs. 34.41436 Lakhs as Remediation Cost and Rs. 118.76301 Lakhs for Environment Management Plan) for this project and PP, M/s Fortune Builders, Fortune House 157, Zone-1, MP Nagar Bhopal (M.P.)-462016, has proposed to submit bank guarantee of INR Rs. 34.41436 Lakhs towards Remediation Plan.

Committee after considering the reply recommends that PP may be asked to deposit the bank guarantee (BG) with three years validity of Rs. 34.41436 Lakhs (equivalent to amount proposed in Remediation Plan /Restoration 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 Proposed Construction of Construction of Group Housing Project "Fortune Singnature" Khasra No. 147/7/1/KA, 147/7/1/KHA, 147/5/3, 95/1/KH2, 147/7/3, 147/7/4, 147/7/5, 147/9/KH, 147/9/KHA, 147/9/JHA, 147/9/1/1/1, 147/9/1/1/2, 147/9/1/1/8, 147/7/2. at Village Bawadia Kala, Tehsil Huzur, District Bhopal (M.P.). Total Project Area- 36,070 m2 (8.9 acres) Total Built up Area – 45,583.75 m2, Category: 8 (a) Building & Construction Project. subject to the following special conditions and submission of bank guarantee (BG) with 03 years validity of Rs. 34.41436 Lakhs (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. 01 Diesel power generating sets 1X 125 kVA proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.

- xi. The gaseous emission from DG sets 1X 125 kVA shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. The total water requirement during operation phase is 291 KLD out of which 194 KLD is fresh water requirement and 234KLD will be the total recycled water generated, out of which 66 KLD recycled water will be used for flushing and 31 KLD water will be used for horticulture.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.

- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total 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, 05 recharge pits have been constructed for harvesting rain water. The total recharge capacity of these pits about 177 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 based STP (Capacity - 400 KLD). The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xx. The waste water generated from the project shall be treated in STP of 400 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.
- xxi. No sewage or untreated effluent water would be discharged through storm water drains.
- xxii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.

- xxiii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

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

V. Energy Conservation measures.

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

or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

VI. Waste Management

- i. Total waste 1541 Kg/day, this consist all types of wastes (as organic waste 1516.0 Kg/day and non- organic waste 25.0 Kg/day, Horticulture waste- 25.0) and shall be treated/ disposed off as per provision made in the MSW Rules 2016.
- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (0.4 ton/day) shall be segregated into wet garbage and inert materials.
- v. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto small be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- i. Total 532 trees shall be planted in the area of 6227.0 sq.m (20.27% of total plot area) which is developed as greenbelt development .

- ii. Not tree can be felled/transplant unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- 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 included plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- 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 stack plied appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

VIII Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points
 - d. Parking norms as per local regulation
- vi. 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.
- vii. Total proposed Parking's arrangement for 475 ECS (in which 254 ECS for Stilt parking and open parking 221 ECS).
- viii. 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

- viii. 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.
- ix. 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.
- x. 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.
- xi. 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.

- xii. PP has proposed 153.17737 Lakhs (Rs. 34.41436 Lakhs as Remediation Cost and Rs. 118.76301 Lakhs for Environment Management Plan as Capital and Rs. 34.41 lakhs recurring cost) for this project.
- xiii. The M/s Fortune Builders, Fortune House 157, Zone-1, MP Nagar Bhopal (M.P.)-462016, has proposed to submit bank guarantee of INR 34.41436 Lakh towards Remediation Plan /Restoration Plan.

XI. Miscellaneous

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

22. Case No. - 5782/2018 Mr. Mahmood Ali, Director, M/s Satya Prakash Colonizers, Pvt. Ltd., T-12, 3rd Floor, City Centre, Press Complex, Zone-1, M.P. Nagar, Bhopal, Bagli, (M.P.) – 462011. Prior Environment Clearance for Construction of Proposed Multi Unit Residential Development Project “Nice Space” Khasra No. –243/244/1/1/KH3, 243/244/1/1/KA/2,243/244/1/1/KH/2,243/244/1/1/GHA/2,243/244/1/1/GA/2,243/244/1/1/D

A/2,243/244/1/1/CHA/2,243/244/1/2/2,243/244/1/CHHA/2, 243/244/1/1/KA/3, at Village - Badwai, Tehsil - Huzur & Dist. -Bhopal, (M.P.). Total Project Area = 17,440 sqm. (1.74 Ha. Or 4.309 Acre), Built up Area = 31226.64 sqm). Category: 8(a) Building & Construction Project.Env. Con. – ENV DAS India Pvt. Ltd., Lucknow (U.P.).

This is case of Prior Environment Clearance for Prior Environment Clearance for Proposed Multi Unit Residential Development Project “Nice Space” Khasra No. –243/244/1/1/KH3, 243/244/1/1/KA/2, 243/244/1/KH/2, 243/244/1/1/GHA/2, 243/244/1/1/GA/2, 243/244/1/1/DA/2, 243/244/1/1/CHA/2, 243/244/1/2/2, 243/244/1/CHHA/2, 243/244/1/1/KA/3, at Village - Badwai, Tehsil - Huzur & Dist. -Bhopal, (M.P.). Total Project Area = 17440 sqm. (1.74 Ha. Or 4.309 Acre), Built up Area = 31226.64 sqm). Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

This case was scheduled in 335th SEAC meeting dated 01.12.2018 wherein ToR (For Violation) was recommended.

PP has submitted the EIA report vide letter dated 03/12/2019 which was forwarded through SEIAA vide letter no. 3454 dated 07/12/2019

The case was scheduled for the EIA presentation in 413th SEAC meeting dated 10/12/2019 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.

In the 414th SEAC meeting dated 06/01/2019, the EIA incorporating remediation plan and natural community resource augmentation plan was presented by the PP and their consultant wherein in the beginning, PP presented project chronology of the project.

Site & Surrounding

Site and Surroundings within 10km from proposed project are as follows:

North: Village Badwai, BishanKheda and ParvaliyaSani are at a distance of 500 m, 2.4 Km and 2 km the site. Bhopal Bypass Road (NH-12) is 3.75 km from the site.

West: Gokuldharm colony, Abbas Nagar and Rajiv Gandhi Technical University are about 700 m, 1.5 Km and 2.0 km from the site. Raja Bhoj International Airport is about 5.5 km in

North West direction and Central Jail colony about 1.0 km in South west direction from the site.

South: Dwarkadham colony and Hahnemann Homeopathic Medical College are 400 m and 500 m from the site. Sanjeev Nagar, Kamal Nagar and Nariyalkheda are situated at a distance of 1.2 Km, 1.7 Km and 2.5 km from the site. Ayodhya Bypass Road (NH-86) is 600 m from the site

East: Truba Institute of Engineering & IT, Krishak Nagar and Central Institute of Agricultural Engineering is 20 m, 1.5 Km and 2.0 Km from the site. Peoples Campus, village PipliyaBajkhan and Malikhedi are 4.0 Km, 4.5 Km and 6.0 Km from the site.

Further, PP and their consultant presented the EIA incorporating remediation plan and natural community resource augmentation plan. After deliberation and detailed discussion committee was asked to PP to clarify/addition following points to ascertain remediation's cost and their corresponding EMP budget during construction & operational period:

1. An affidavit that –
 - No possession has been given till date.
 - Till date only two towers have been completed /constructed.
 - An alternate entry/exit gate will be provided for towards eastern side near Truba College.
2. Revised plantation schemes with budget as suggested by the committee during presentation.
3. Bills of all activities for which remediation plan is submitted by the PP.

PP vide their letter dated 07.01.2020 submitted the revised remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation in the tune of suggested guidelines by the committee, with the supported by documentary proofs, such as bills, CA audit, certificates, photographs, prescribed various undertakings and CER.

The revised Proposed Remediation Expenditure Plan for NICE SPACE project submitted by PP is as follows-

Proposed Remediation Expenditure Plan for NICE SPACE

S. No.	Environment al Factors/Attri butes	Remedial Plan/Augment ation Plan	Remedial Cost (in INR)		Environm ental Managem ent Plan	EMP Cost (in INR)/year		Remark
			Capital Cost	Recurri ng Cost		Capital Cost	Recurri ng Cost	
1	Land use as per approved Master plan by T&CP, Bhopal							Land use of the project site was Residential as per Bhopal Master Plan 2005 attached Annexure - II
	Construction Phase	No Violation			--	--	--	
	Operation Phase	No Violation			--	--	--	
2	Environmental Sensitive places, land acquisition status, resettlement & rehabilitation (R&R)							Project involves no R&R issues. PROJECT IS ON Joint Venture JV DOCUMENTS ATTACHED Annexure - III
	Construction Phase	No Violation			--	--	--	
	Operation Phase	No Violation			--	--	--	
	Baseline Environment Monitoring							

3	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	NA	4,50,000	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 @ 1000/sample 4. Soil: 2 sample @ 4000/sample	NA		No environment monitoring was done at site on initial starting of the project since the project began in 2015. Hence, 2015-16, 2016-17, 2017-18 . This remediation plan is of 3 years . The Remediation plan of Rs. 04, 50,000 will be spent inside the project premises or outside the premises of the project in Plantation .
	Operation Phase	For monitoring of air, water, soil & noise every six month for period of five years 1. Water: 2 GW sample @ 5000/sample 2. Air: 2 Sample @ 5000/sample, 3. Noise: 2 sample @ 1000/sample, DG set 1 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample	NA	NA	For monitoring of air, water, soil & noise every six month 1. Water: 2 GW sample @ 5000/sample 2. Air: 2 Sample @ 5000/sample, DG 1 sample @ 5000/sample 3. Noise: 2 sample @	NA	1,50,000	

					1000/sample, DG set 1 sample @ 1000/sample			
					4. Soil: 2 sample @ 4000/sample			
4	Air Environment							
	Construction Phase	Water sprinkling	No Violation	No Violation	--	--	--	RMC WAS USED WHILE CONSTRUCTING
		Water pipeline-450m @ Rs 100/m	45,000		--	--	--	RMC WAS USED WHILE CONSTRUCTING
		250 Water Tanks of 1500 litre @ Rs. 300	75,000		--	--	--	RMC WAS USED WHILE CONSTRUCTING. Water was used in CURING .
		Container for Storage of raw material	No Violation	No Violation	--	--	--	RMC WAS USED WHILE CONSTRUCTING
		Green Nets for covering building for 10,000 Sqm area @ Rs 5/Sqm	50,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		Barricading of construction area	50,000	Site boundary constructed	--	--	--	Project barricading was constructed in start of Construction of project, therefore cost has not been included in the remediation cost. No proof available
		200 Face mask @ Rs 100	20,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		Vehicle Inspection @ 15,000/year for 2 years		30,000	--	--	--	Proof is not available, therefore cost is taken in Remediation Cost

	Operation Phase	Maintenance of 1 no. of DG set/year through AMC for 5 years @ 25,000/year		1,25,000	--		DG set NOT installed yet.
5	Waste Environment						
	Construction Phase	150 Dustbin @ Rs 200/each	30,000		--	--	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. 1500/month		36,000	--	--	
	Operation Phase	150 Dustbin @ Rs 300/each	45,000		Agency fee for collection & disposal Solid waste @ Rs. 1000/month		Proof is not available; therefore cost is taken in Remediation Cost.
		Agency fee for collection & disposal Municipal Solid waste		1,50,00	--	12,000	
		STP sludge disposal	No Violation	No Violation	STP sludge disposal	Will be used as manure	Sludge is being used for landscaping purpose.
6.	Water Environment						
	Construction Phase	Ground water abstraction	As there was no GW was abstracte	1,50,000	NA	NA	Since bills of water tanker are not available. Remediation cost has

			d because RMC was used. For curing other purpose water tanker was used					been added @ 50,000 /year. The total remediation cost for 3 year plan is 1,50,000/-
		Construction of Toilets	No Violation	No Violation				NOT CONSTRUCTED SINCE THE LABOUR IS LOCAL & HAVE THEIR OWN HOUSEHOLDS
		Toilet maintenance and cleaning for 2 years @ 1500/month						NOT CONSTRUCTED SINCE THE LABOUR IS LOCAL & HAVE THEIR OWN HOUSEHOLDS
		STP installation of 200 KLD	No Violation	No Violation				STP is NOT constructed,
		Construction of 5 RWH	No Violation	No Violation				RWH pits are to be constructed. ONE HAS BEEN CONSTRUCTED
	Operation Phase	Abstraction of Ground water	No Violation	No Violation				Water is being supplied through Municipal Supply. NOC is attached as Annexure XI
		STP operation and maintenance will be done @ Rs 7,500/month for 5 years	No Violation	No Violation				STP yet not constructed
		Maintenance and cleaning of RWH system	No Violation					Proof is not available, therefore cost is taken in Remediation Cost

					70,000/once in a year			
		Cleaning and maintenance of water network @ Rs 70,000/twice in a year	No Violation	70,000	Cleaning and maintenance of water network @ Rs 70,000/once in a year	NA	NA	
7	Occupational Health and Safety of construction worker							
	Construction Phase	First aid kit at site	50,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		PPE for labor	50,000		--	--	--	
		Health checkup for labor twice in a year for 50 LABOR @ 1000/ labor		50,000	--	--	--	
	Operation Phase	--			--	--	--	
8	Ecology Environment							
	Construction Phase	Cutting of Trees	No violation	No Violation	--	--	--	No tree was felled. No tree was present on the land. Attached affidavit Annexure - I
		Development of Green Area	No violation	No Violation		-	1,50,000	Green area will be developed in the project site. Plantation photos attached Annexure - XII
	Operation Phase	Maintenance of green area for 1 years after plantation	No violation	No Violation	Maintenance of green area for @ 2,40,000/annum	--	2,40,000	Gardner is allocated for maintenance of landscape.
9	Soil Environment							

	Construction Phase	Disposal of excavated soil (10,000 tones , out of this 90% for backfilling & refilling = 9,000 tones). Rest 1,000 tones in plantation	No violation as entire top soil was used in garden and back filling of plinth area.		NA	NA	1,50,000	Proof is not available of excavation.
	Operation Phase	--	75,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
10	Noise Environment							
	Construction Phase	Site barricading	No Violation	1,50,000	--	--	50,000	Proof is not given , therefore cost is taken in Remediation Cost
		Ear plugs for labour@ Rs 100/pcs (1000 pcs)	1,00,000			--		Proof is not available, therefore cost is taken in Remediation Cost
	Operation Phase	Replacement of Vibration pads of DG set (once in five years)	No Violation	75,000	Replacement of Vibration pads of DG set	50,000		Five years not completed yet. Hence cost is not taken in remediation cost
11	Energy Conservation							
	Construction Phase	--			--	--	--	
	Operation Phase	Installation of LED	2,75,636		--	--		Proof is not available. Hence cost is taken in remediation cost
		Solar Panel						
12	Transportation of Trucks							
	Construction Phase	Tarpaulin covers for trucks		50,000	--	--	--	Proof is not available. Thus 50,000 is used in remediation cost.
	Operation	--			--	--	--	
13	Disaster Management Plan							
	Construction Phase	Earthquake resistant structure	No Violation	No Violation	--	--	-	Already included in cost of project

		Fire fighting system	No Violation	No Violation		--	-	Fire Equipments not attached
	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		7,80,636	14,62,000		1,25,000	7,40,000	
		Remediation Cost	22,42,636/-		Cost of EMP	8,65,000		

Expenditure of Proposed Remediation Cost:

Expenditure shall be carried out in the area as per the need based assessment ENV CONSULTANT.

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 NICE SPACE or any other nearby projects	4,42,636	4,42,636		
ENVIRONMENTAL MONITORING inside or outside of the project	Air, Soil, Water & Noise & STP testing	4,50,000	2,50,000	2,00,000	
Installation of FIRE HYDRANT SYSTEMS	Installation of FIRE Fighting Equipments in Future Constructing Buildings	9,50,000	9,50,000		
2. Community Resource Development					
Help of Municipal Authority for maintenance of already developed Park	DEVELOPMENT OF Publics PARK in the city	2,00,000	2,00,000		
3. Natural Resources Augmentation					
Solar street light /LED in nearby road side	8 @ Rs 25,000/ pieces	2,00,000	2,00,000		
Total Remediation Cost (1+2+3)		22,42,636	20,42,636	2,00,000	

Thus as above, PP has proposed Rs. Rs. 31.07636 Lakhs (Rs. 22.42636 Lakhs as Remediation Cost and Rs. 8.65 Lakhs for Environment Management Plan)) for this project and PP, Mr. Mahmood Ali, Director, M/s Satya Prakash Colonizers, Pvt. Ltd., T-12, 3rd Floor, City Centre, Press Complex, Zone-1, M.P. Nagar, Bhopal, Bagli, (M.P.) – 462011, has proposed to submit bank guarantee of INR Rs. 22,42,636.00 Lakhs towards Remediation Plan.

Committee after considering the reply recommends that PP may be asked to deposit the bank guarantee (BG) with three years validity of Rs. 22,42,636.00 Lakhs (equivalent to amount proposed in Remediation Plan /Restoration 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 Proposed Construction of Proposed Multi Unit Residential Development Project “Nice Space” Khasra No. – 243/244/1/1/KH3, 243/244/1/1/KA/2, 243/244/1/1/KH/2, 243/244/1/1/GHA/2, 243/244/1/1/GA/2, 243/244/1/1/DA/2, 243/244/1/1/CHA/2, 243/244/1/2/2, 243/244/1/CHHA/2, 243/244/1/1/KA/3, at Village - Badwai, Tehsil - Huzur & Dist. -Bhopal, (M.P.). Total Project Area = 17,440 sqm. (1.74 Ha. Or 4.309 Acre), Built up Area = 31,226.64 sqm., Category: 8 (a) Building & Construction Project. subject to the following special conditions and submission of bank guarantee (BG) with 03 years validity of Rs. 22,42,636.00 Lakhs (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. 01 Diesel power generating sets 1 x 25 = 25 KVA proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.

- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from DG sets 1 x 25 = 25 KVA shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. The total water requirement during operation phase is 243 KLD out of which 171 KLD is fresh water requirement and 206 KLD will be the total recycled water generated, out of which 72 KLD recycled water will be used for flushing and 14 KLD for Horticulture / Landscape
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.

- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total fire water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. For rainwater harvesting, 04 recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits about 41.85 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 based STP (Capacity - 250 KLD). The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xx. The waste water generated from the project shall be treated in STP of 250 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.
- xxi. No sewage or untreated effluent water would be discharged through storm water drains.

- xxii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxiii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

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

V. Energy Conservation measures.

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

provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

VI. Waste Management

- i. Total waste 1805.9 Kg/day, this consist all types of wastes (as organic waste 1681.90 Kg/day and non- organic waste 124.0 Kg/day, Out of which domestic waste 1422.50 Kg/day and Horticulture waste – 383.4 Kg/day) and shall be treated/ disposed off as per provision made in the MSW Rules 2016.
- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (0.4 ton/day) shall be segregated into wet garbage and inert materials.
- v. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto 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 125 trees shall be planted in the area of 2860.87 sq.m. (which is 16.8% of total plot area) which is developed as greenbelt development .
- ii. Not tree can be felled/transplant unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- 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 included plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- 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 stack plied appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

VIII Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points
 - d. Parking norms as per local regulation
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Total proposed Parking's arrangement for 475 ECS (in which 250ECS for Silt parking and 225 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 has proposed Rs. 31.07636.00 Lakhs (Rs. 22.42636 Lakhs as Remediation Cost and Rs. 8.65 Lakhs for Environment Management Plan)) for this project.
- vi. Regarding CER PP has submitted that “Nice Space” is a partnership firm and thus does not fall within the ambits of definition of corporate as per MCA thus shall be exemption from the condition of CER. Committee after deliberations recommends that SEIAA shall take necessary decision for imposition of CER based on the representation submitted by PP otherwise CER shall be imposed as per the F. No. 22-65/2017-IA-III dated 01 May, 2018.
- vii. The Mr. Mahmood Ali, Director, M/s Satya Prakash Colonizers, Pvt. Ltd., T-12, 3rd Floor, City Centre, Press Complex, Zone-1, M.P. Nagar, Bhopal, Bagli, (M.P.) – 462011 has proposed to submit bank guarantee of INR 25.515 Lakh towards Remediation Plan /Restoration Plan.

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.

23. Case No. – 6699/2019 M/s Tirupati Minerals, Shri Atul Jadodiya, Village - Bodla, Tehsil - Sardarpur, Dist. Dhar, MP – 452009 Prior Environment Clearance for Stone Quarry in an area of 3.50 ha. (Stone- 29,441 cum per annum, Murrum – 10,737 cum per annum) (Khasra No. 493), Village - Bodla, Tehsil - Sardarpur, Dist. Dhar, (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 493), Village - Bodla, Tehsil - Sardarpur, Dist. Dhar, (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. 1965 dated: 02/08/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented in the 412th SEAC meeting dated 09.12.2019 during presentation PP has submitted copy of Form –II for Stone- 29,441 cum per annum, Murrum – 10,737 cum per annum to SEIAA and submitted a copy to SEAC and requested that Murrum should be added in the quantity along with stone.

As per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of lease.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
02 Trees	Within lease	-	Commitment for no tree falling

After presentation the committee asked to submit following details:

- Commitment that no tree falling is proposed.
- Inventory of crop being grown and yield.
- Revised CER with addition to budgetary provision for traffic awareness training for the villagers, as suggested by the committee.
- Revised plantation species as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 03.01.2020, which was placed before the committee and the same found satisfactory. The EMP and

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

1. Production shall be as per mine plan with quantity not exceeding for Stone- 29,441 cum per annum, Murum – 10,737 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 09.39 Lakh as capital and Rs. 04.93 Lakh/year and under CER Rs. 0.60 Lakh/ year has proposed.

24. Delisting of TOR as their validity has expired & Query as PP has not submitted desired information.

TOR's were issued to the following cases and till date neither the EIA nor any request for TOR validity extension has received from PP and the validity of TOR has been expired. Hence, committee after deliberations decided that these following cases may be sent to SEIAA for delisting:

SN	Case No. Activity	SEAC Meeting details	Reason for delisting
1.	Case No.-5457/2016 M/s Prism Cement Ltd, "Rahejas" Main Avenue, V.P. Road, Santacruz (W), Mumbai, Maharashtra Prior Environment Clearance for Limestone Mine in an area of 4.755 ha. (645278 Tonnes per annum) (Khasra no. 74(P), 103 (P), 104) at Village- Hinauti, Tehsil - Rampur Baghelan, Dist. Satna (MP)	TOR Recommended in SEAC-II 63 rd meeting dt-24/12/16	ToR Validity was up to 23/12/2019. Since PP neither has applied for TOR validity expansion nor has submitted EIA report, case may be deleted.
2.	Case No.-5467/2016 M/s Pawan Minerals, Jawahar Chok, Jhanda Bazar, Katni, MP – 483501 Prior Environment Clearance for Calcite, Dolomite and Limestone Mine in an area of 2.33 ha. 28462 MTPA) (Khasra no. 249, 250) at Village- Bhatgawan Sunehra, Tehsil - Murwara, Dist. Katni	TOR Recommended in SEAC-II 63 rd meeting dt-24/12/16	ToR Validity was up to 23/12/2019. Since PP neither has applied for TOR validity expansion nor has submitted EIA report, case may be deleted.
3.	Case No. – 6252/2019 Shri Sanjay Singh S/o Shri Mahendra Singh Rathore, R/o House No. 1, Village - Tanodiya, Tehsil &	Query raised in 380 th meeting dated 05/7/19	Issued letter no. 491 dated 30/7/19 and reminder letter was also sent to the PP vide letter no. 754 dated 13/12/19. PP so far PP has not submitted the desired

	Dist. Agar Malwa, MP Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (20000 cum per annum) (Khasra No. 277, 289), Village - Tanodiya, Tehsil - Agar, Dist. Agar Malwa (MP)		information thus 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.
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 2.0 ha. (5880 cum per annum) (Khasra No. 135/1), Village - Manglya, Tehsil - Badnawar, Dist. Dhar (MP)	Query raised in 393 th meeting dated 30/8/19	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 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.
5.	Case No. – 6356/2019 M/s Om Jai Shri Ashutosh Minerals, House No. 171/3, Ward No. 07, Chandla, Dist. Chhatarpur, MP – 471525 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (31002 cum per annum) (Khasra No. 1072), Village - Kanbhai, Tehsil - Chandla, Dist. Chhatarpur (MP)	Query raised in 388 th meeting dated 08/8/19	Issued letter no. 685 dated 25/10/19 and reminder letter was also sent to the PP vide letter no. 762 dated 23/12/19. PP so far has not submitted the desired information thus 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.

25. Corrigendum in Case No. – 6194/2019 Shri Ajay Kumar Pathak, Chayanakyapuri, Semaria Chowk, PO & Dist. Satna, MP – 485001 Prior Environment Clearance for Limestone Mine in an area of 16.264 ha. (Limestone – 7,68,673 tonne per annum, Reject Stone – 2,50,000 tonne per annum) (Khasra No. 234, 235, 237), Village - Hinauta, Tehsil - Baghelan, Dist. Satna (MP).

This is case of Limestone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 234, 235, 237), Village - Hinauta, Tehsil - Baghelan, Dist. Satna (MP) 16.264 Ha. The project requires prior EC before commencement of any activity at site.

Project Description:

S/n	Parameters	Details
1	Method of Mining	Opencast mechanized mining

		method.
2	Bench Height & Width	Bench Height – 6.0 m Bench width – 10-15 m
3	Drilling & Blasting	Drilling and blasting has been proposed.
4	Ultimate Pit Slope	45o
5	ML Area elevation	Highest elevation 294 mRL towards East Lowest Elevation- 285 mRL in NW.
6	Ultimate depth of mining	16 m
7	Ground water level	20m-25m below the ground level of 285 m RL
8	Mineable Reserve	2126090 tonns
9	Top Soil	12010 cu.m. which will be used for topping of the backfilled area (0.25 m sandy soil)
10	Drainage pattern/ water courses	The main drainage of the area is through seasonal water courses situated in north side of the applied area and Magardaha Nala situated in west of the ML area which merges into Tons river in NNW at 2.30 km distance.
11	Forest Area	Nil
12	Water Requirement	14 KLD will be made from nearby villages
13	Man Power Requirement	55 persons
14	Cost of project	Rs. 1.5 crore

The case was presented by the PP and their consultant (in 374th SEAC meeting dated 25/05/2019) to obtain TOR for capacity expansion of Limestone Existing production- 1,10,000 TPA of Limestone & reject stone and Proposed production- 7,68,673 TPA of

Limestone & 2,50,000 TPA of reject stone. Committee also decided to carryout site visit (if possible) to see the status of existing facilities & systems provided for environmental safeguard. The committee after deliberation considered that it is being a case of major minerals committee recommended to issue standard TOR prescribed by MoEF&CC may be issued for conducting the EIA with following additional TORs and as per Annexure-D:-

1. Compliance of earlier EC conditions duly authenticated by competent authority is to be submitted with the EIA Report.
2. Propose alternate route or ropeway for mineral transportation considering very heavy volume of mineral evacuation.
3. Add one AAQ station at evacuation route and 08 GW samples to be analysed.

TOR was issued to the PP vide letter dated 17/06/2019.

PP vide letter dated 28/12/2019 has requested to correct the name of Tehsil as Baghelan in TOR to Rampur Baghelan as per the Form-II and the case was placed before the committee. The committee observed that PP has mentioned the name as Rampur Baghelan in the relevant correspondence and forms however, in TOR letter issued to the PP the Tehsil name is mentioned as Baghelan which is a typographical error. Committee after deliberations recommends that the name of Tehsil may be changed to Rampur Baghelan and other conditions remain unchanged.

(Dr. Sonal Mehta)
Member

(Dr. Anil Sharma)
Member

(Dr. Mohd. Akram Khan)
Member

(R.S.Kori)
Secretary

(Mohd. Kasam Khan)
Chairman

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

Annexure- 'A'

Standard conditions applicable to Stone/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 CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
12. To avoid vibration, no overcharging shall be carried out during blasting and muffle blasting shall be adopted. Blasting shall be carried out through certified blaster only and no explosive will be stored at mine site without permission from the competent authority.
13. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks (SS pattern) of suitable sizes shall be provided.
14. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
15. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.

16. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
17. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
18. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
19. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
20. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
21. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.

Annexure- 'B'

Standard conditions applicable for the Sand Mine Quarries*

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. The mining activity shall be done manually and as per the land use plan & approved mine plan submitted by PP.
5. No heavy vehicles shall be allowed to enter the river bed and the transportation of the sand from the excavation pits of the leased area to the loading point shall be through trolleys (tractor trolleys) and not by heavy vehicles. Only registered tractor trolleys which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
6. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
7. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
8. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.

9. No Mining shall be carried out during Monsoon season.
10. The depth of mining shall be restricted to 3m or water level, whichever is less. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
12. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
13. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
14. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
15. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
16. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
17. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
18. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
19. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
20. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
21. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
22. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
23. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
24. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.

Annexure- 'C'

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

1. Mining should be done only to the extent of reclaiming the agricultural land.

2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. The mining shall be carried out strictly as per the approved mining plan.
4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.
5. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
7. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
8. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
9. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
10. No Mining shall be carried out during Monsoon season.
11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
12. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
15. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
16. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.

21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.

Annexure- 'D'

General conditions applicable for the granting of TOR

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

19. The EIA report should clearly mention activity wise EMP and CSR cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples.

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

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