

The 457th meeting of the State Expert Appraisal Committee (SEAC) was held on 18th September, 2020 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing -

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Dr. Sonal Mehta, Member.
4. Dr. Jai Prakash Shukla, Member.
5. Dr. R. Maheshwari, Member.
6. Dr. Rubina Chaudhary, Member.
7. Shri A.A. Mishra, Secretary.

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

- 1. Case No. – 6115/2019 Shri Rajeev Tomar, Shri Rajendra Tomar, Village - Attaakarlengaddh, Dist. Sagar, MP – 470441 Prior Environment Clearance for Flag Stone Quarry in an area of 1.80 ha. (1,368 cum per annum) (Khasra No. 162/23), Village - Chanari, Tehsil - Sagar, Dist. Sagar (MP).**

This is case of Flag Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 162/23), Village - Chanari, Tehsil - Sagar, Dist. Sagar (MP) 1.80 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. 473 dated: 07/03/19 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 5.60 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 397th SEAC meeting dated 02/10/19 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 21/08/2020 which was forwarded through SEIAA vide letter no. 2601 dated 05/09/2020, which was placed before the committee.

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

Time line of the Project

Date of Letter of Intent (LOI)	क्र./1511/□□□□/2018 Sagar, Dated: 28.09.2018
Date of TOR application submitted	SIA/MP/MIN/33191/2019 Date – 16-03-2019
File No. allotted by SEIAA,MP	6115/2019
Agenda No. & Date of TOR presentation	Agenda of 397th SEAC Meeting Dated: 03/10/2019
Date TOR issued	30/10/2019
Date & Duration of Baseline Data Collection	October to December 2019 (Post Monsoon -3 Months)
Date of Public Hearing Advertisement	23/06/2020 (Dainik Bhaskar & Nav Duniya)
Date of Public Hearing	24/07/2020
Date of Final EIA submitted at SEIAA M.P	01/09/2020
Date of Final EIA Appraisal at SEAC	18/09/2020

Proposed Method of Mining

- Proposed mining will be carried out by open cast manual mining method.
- Quarry operation will be carried out by 1.0 meter benching height and 45⁰ face slop.
- Adequate dump capacity, proper floor level ensuring good mine drainage .

- Whole excavation start from RL 445 to RL 444 meter. Only one meter depth will reaches in first five year planning.
- In whole 1st five year of development period, same size of block will mined out, so that production and wastage will remain same as 1368 m³ mineral and 342 m³ overburden.

Waste Disposal Arrangement:

- There is no top soil is very thin.
- mine waste approx. 5% of total production. It will stack separately
- Conceptual dumping area is chosen beyond ultimate pit limit on ground which may not cause any damage to land or water.
- During proposal period 1710 m³ mine waste will be generated.
- The generated waste will be used in approach road construction & its maintenance

During presentation it was submitted by PP that being flagstone query, no blasting is proposed. The committee observed there were not any significant sensitive fetures as per Google image based on coordinates provided by PP other details submitted by PP are satisfactory and 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 Flag Stone Quarry in an area of 1.80 ha. (1,368 cum per annum) (Khasra No. 162/23), Village - Chanari, Tehsil - Sagar, Dist. Sagar (MP), subject to the following special conditions:

(A) PRE-MINING PHASE

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

7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

11. Working height of the loading machines shall be compatible with bench configuration.
12. No intermediate stacking is permitted at the mine site.
13. No dump shall be stacked outside the lease area.
14. Overhead sprinklers shall be provided in mine.
15. 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.
16. 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 2160 trees shall be planted on barrier zone, backfilled area and along the transportation route.
17. Transportation of material shall be done in covered vehicles.
18. Transportation of minerals shall not be carried out through forest area.
19. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
20. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be (750m x 1m x 1m)
21. The settling tank will be 02 in number of size (10mx 2mx 2m).
22. 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.
23. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
24. The existing and proposed land use plan of the mine is as follows:
Details of post mining land use conceptualization of the lease area, at the end of lease period are given below-
 - Total lease Area = 1.80 Ha

- Mineralized area for mining = 1.80 Ha
- Area already worked out by past mining = Nil
- Area covered by proposed plantation = 0.0375 Ha
- Area covered by proposed plantation end of lease period = 0.075 Ha

25. 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.
26. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
27. The commitments made in the public hearing are to be fulfilled by the PP.
28. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
29. 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. 29.39 Lakh is proposed and Rs.4.77 Lakh /year as recurring expenses.
31. Under CSR activity, Rs. 3.0 Lakh is proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
32. 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.
33. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
- 2. Case No. – 6493/2019 M/s Om Granite, Village - Didwara, Tehsil - Lavkush Nagar, Dist. Chhatarpur, MP – 471510 Prior Environment Clearance for Crusher Stone (Granite) Mine in an area of 1,214 ha. (25,886 cum per annum) (Khasra No. 1591/2P), Village - Didwara, Tehsil - Lavkush Nagar, Dist. Chhatarpur (MP).**

This is case of Crusher Stone (Granite) Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1591/2P), Village - Didwara, Tehsil -

Lavkush Nagar, Dist. Chhatarpur (MP). 1.214 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1904 dated: 05/04/19 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total area of 19.628 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 396th SEAC meeting dated 01/10/19 wherein ToR was recommended. PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 2705 dated 08/09/2020, which was placed before the committee.

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.

3. Case No. – 6137/2019 Shri Vinod Kumar Shrivastava, R/o Badhagar, Gandhigram, Dist. Jabalpur, MP – 483222 Prior Environment Clearance for Laterite and Ocher Mine in an area of 3.237 ha. (Laterite – 52,126 tonne per annum, Ochre – 63,541 tonne per annum) (Khasra No. 1547), Village - Gandhigram, Tehsil - Sihora, Dist. Jabalpur (MP).

This is case of Laterite and Ocher Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1547), Village - Gandhigram, Tehsil - Sihora, Dist. Jabalpur (MP) 3.237 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. 2481 dated: 30/12/15 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total area of 43.767 ha. including this mine.

Earlier this case was scheduled for presentation and discussion in 369th SEAC meeting dated 03/05/19 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 2469 dated 14/08/2020, which was placed before the committee.

PP and their consultant presented the EIA before the committees, PP stated that this is a existing mine which was in operation till year 2014 then after mine was closed. PP further stated that no blasting is proposed. Also they have conducted Pumping study from Central Institute of Mining and Fuel Research, Dhanbad .

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

1. Revised plantation scheme considering additional 20% mortality rate of trees as suggested during presentation
2. Revised EMP add proposal for grazing land development with budget as suggested during presentation
3. Revised CER as suggested during presentation by the committee.

PP vide their letter dated 18.09.2020 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 Crusher Stone (Granite) Mine in an area of 1.214 ha. (25,886 cum per annum) (Khasra No. 1591/2P), Village - Didwara, Tehsil - Lavkush Nagar, Dist. Chhatarpur (MP), subject to the following special conditions:

(A)PRE-MINING PHASE

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

8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

10. No blasting should be carried out.
11. Working height of the loading machines shall be compatible with bench configuration.
12. No intermediate stacking is permitted at the mine site.
13. No dump shall be stacked outside the lease area.
14. Overhead sprinklers shall be provided in mine.
15. 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.
16. 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 4800 trees shall be planted on barrier zone, backfilled area and along the transportation route.
17. Transportation of material shall be done in covered vehicles.
18. Transportation of minerals shall not be carried out through forest area.
19. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
20. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 782 M X 1M X 1.5M. The settling tank will be 05 in number of size 5mx 3m x 3m.
21. 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.
22. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
23. 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.
24. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
25. The commitments made in the public hearing are to be fulfilled by the PP.

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

(C) ENTIRE LIFE OF THE PROJECT

28. In the proposed EMP, capital cost is Rs. 29.161 Lakh is proposed and Rs.7.75 Lakh /year as recurring expenses.
 29. Under CSR activity, Rs. 1.50 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
 30. 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.
 31. 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.
4. **Case No. - 5941/2019 Shri Vinod Kumar Shrivastava, R/o Badhagar, Village - Gandhigram, Tehsil - Sihore, Dist. Jabalpur, MP Prior Environment Clearance for Laterite, Ocher, Iron Ore and Manganese in an area of 4.00 Ha. (Laterite – 17,496 tonne per annum, Ocher – 9,849 tonne per annum, Manganese – 1,310 tonne per annum, Iron Ore – 1,31,076 tonne per annum) (Khasra No. 1714), Village- Gandhigram, Tehsil - Sihora, Dist. Jabalpur (MP).EIA CONSULTANT:CSIR-Central Institute of Mining and Fuel Research.**

This is case of Laterite, Ocher, Iron Ore and Manganese. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1714), Village-Gandhigram, Tehsil - Sihora, Dist. Jabalpur (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, District Survey Report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office vide letter no. 461 dated 28/12/2015 has reported that there are 07 more mine operating or proposed within 500 meters around the said mine with total area of 43.767 ha including this mine.

Earlier this case was scheduled for presentation and discussion in 352nd SEAC meeting dated 18/03/19 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 23/08/2020 which was forwarded through SEIAA vide letter no. 2406 dated 26/08/2020, which was placed before the committee.

PP and their consultant presented the EIA before the committees, PP stated that this is a existing mine which was in operation till year 2014 then after mine was closed. PP further stated that no blasting is proposed. Also they have conducted Pumping study from Central Institute of Mining and Fuel Research, Dhanbad .

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

1. Revised plantation scheme considering additional 20% mortality rate of trees as suggested during presentation
2. Revised EMP add proposal for grazing land development with budget as suggested during presentation
3. Revised CER as suggested during presentation by the committee.

PP vide their letter dated 18.09.2020 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 Laterite, Ocher, Iron Ore and Manganese in an area of 4.00 Ha. (Laterite – 17,496 tonne per annum, Ocher – 9,849 tonne per annum, Manganese – 1,310 tonne per annum, Iron Ore – 1,31,076 tonne per annum) (Khasra No. 1714), Village- Gandhigram, Tehsil - Sihora, Dist. Jabalpur (MP), subject to the following special conditions:

(A)PRE-MINING PHASE

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

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

(B) MINING OPERATIONAL PHASE

10. No blasting should be carried out.
11. Working height of the loading machines shall be compatible with bench configuration.
12. No intermediate stacking is permitted at the mine site.
13. No dump shall be stacked outside the lease area.
14. Overhead sprinklers shall be provided in mine.
15. 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.
16. 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 4000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
17. Transportation of material shall be done in covered vehicles.
18. Transportation of minerals shall not be carried out through forest area.
19. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
20. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 970 M X 1.5M X 2.0M. The settling tank will be 05 in number of size 5mx 3m x 3m.
21. 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.
22. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.

23. 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.
24. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
25. The commitments made in the public hearing are to be fulfilled by the PP.
26. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
27. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

28. In the proposed EMP, capital cost is Rs. 24.461 Lakh is proposed and Rs.5.40 Lakh /year as recurring expenses.
29. Under CSR activity, Rs. 2.0 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
30. 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.
31. 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.

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

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

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

The case was scheduled 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 454th meeting dated 29/8/20 & 450nd meeting dated 13/08/2020. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

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

Proposed “SATYAMITRA RAJLAXMI NATURE” Multi Dwelling Units By M/S SATYAMITRA INFRASTRUCTURE PVT LTD	
Total Land Area	24021 sq. mtrs.
Total Built up Area	28,433 sq.mtrs
Location of Project	Sy No 537 Rangwasa , Indore
Occupancy of land	Owned by PP

Land Break-up Details

Sr. No.	Particular	Area in sq.m	%
1	Ground coverage	7185	29.9
2	Green Area	2403.53	10
3	Club Area	512	2.13
4	Conv. Shop Area	492	2.04
5	M.O.S. and Circulation Area	12581	52.4
6	Open Area	847.47	3.5
	Total	24021	100

After presentation and deliberation it was observed by the committee that the remediation's plan and natural community resource augmentation plan submitted by PP needs to be revised as follows:

1. Re-assess the cost of remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation as suggested by the committee. The cost shall be bifurcated in capital and recurring of both the phases as construction & operation phase.
2. Revised CER and it should be proportionate with the project cost as per O.M dated 01/05/2018.
3. Inventory of trees with species and number that have been planted till date with photographs.

PP vide their letter dated 18.09.2020 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.

The plan submitted by PP is as follows-

S. No.	Environ mental Factors /Attrib utes	Remedial Plan/Augment ation Plan	Remedial Cost (in INR)		Environmenta l 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								
	Constr uction Phase	No Violation				--	--	--	Land use of the project site was Residential as per Indore Master Plan 2005 attached Annexure - II
	Operati on Phase	No Violation				--	--	--	
2	Environmental Sensitive places, land acquisition status, resettlement & rehabilitation (R&R)								

	Construction Phase	No Violation			--	--	--	Project involves no R&R issues. The Project is on joint Venture. Joint Venture Papers are attached. Annexure III
	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	3,68,000		For monitoring of air, water, soil & noise every six month 1. Water: 4 GW sample @ 5000/sample 2. Air: 4 Sample @ 5000/sample, 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set	NA		No environment monitoring was done at site on initial starting of the project since the project began in 2013. Hence 2013-14, 2014-15, 2015-16, 2016-17, 2017-18& 2019-2020. This remediation plan is of 5 years . The Remediation plan of Rs.

					2 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample			3,78,000 will be spent inside the project premises or outside the premises of the project in Plantation /Env Monitoring
	Operati on 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 @ 1000/sample	NA	1,50,000	

					<p>mple, DG set 1 sample @ 1000/sa mple 4. Soil: 2 sample @ 4000/sa mple</p>			
4	Air Environment							
	Constr uction Phase	Water sprinkling	<p>Water sprinkling is done as per terms & conditions of the work order agreement (3 water tractors/day) enclosed with bill as (Annexure-VI) & Barricading is on site done and exist, enclosed photograph as Annexure-VII)</p>		<p>Constru ction period= 4 years, working day= 800 day, Per day water requirem ent= 12000 KLD @ 320/ tanker</p>	7,68,000	--	All bills submitted in hard copies to SEAC
		Container for Storage of raw material	<p>Storage hall/Service Yard (Size-35mx25m) was provided during construction phase for materials stacking</p>	No Violation	--	INR 90,000	INR 7000	All bills submitted in hard copies to SEAC
		Green Nets for covering building for 24021 Sqm area @ Rs 3/Sqm	1,20,105		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		Barricading of construction area	<p>Site was fully barricaded (Annexure-VIII). All modern and new machinery was used on site. NO VIOLATION</p>	Site boundary constructed	Constru ction is comple ted now. Project is in	12,48,000	--	Bills submitted in hard copies

					operational phase.			
		Helmets, jackets, hand gloves & boots has been provided to the workers, enclosed Bill receipt as (Annexure-IX)			--	INR 22,15,395	--	Photographs & ledger accounts are attached for the reference
		Vehicle Inspection @ 15,000/year for 4 years	60,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Operational Phase	DG sets 250 kVA. With prevention of combustion fumes. Acoustic encloser and stack height has been provided as per CPCB Norms				INR 12,50,000	INR Annual maintenance @22865	Maintenance of 1 no. of DG set/year through AMC @ 22,865/year
5	Waste Environment							
	Construction Phase	150 Dustbin @ Rs 200/each	30,000		--	2,17,000	--	Proof is not available, therefore cost is taken in Remediation
		Safety tapes for barricading the waste	40,000		--	--	--	

		Agency fee for collection & disposal Solid waste for 2 years @ Rs. 1000/month	24,000		--	--	--	on Cost
	Operati on Phase	15 Dustbin @ Rs 300/each	4,500		Agency fee for collecti on & disposal Solid waste @ Rs. 100/mo nth	1,50,000		MUNICIPAL CORPORATION NOC ATTACHED FEES IS INCLUSIVE OF PROPERTY TAX also NOC Attached of MSW Disposing ANNEXURE - V
		Agency fee for collection & disposal Municipal Solid waste		50,000		--	12,000	
		STP sludge disposal	No Violation	No Violation	STP sludge disposal	Will be used as manure	--	Sludge is being used for landscaping purpose.
	Water Environment							
6	Constr uction Phase	Ground water abstraction	No ground bore well is done. NO VIOLATION (Under Taking annexure V)		NA	Not applicable, till date no bore well for ground water tapping is proposed for construction.	NA	For operational phase builder has arranged water from tankers on daily bases bills are attached for

								further reference. Photographs are attached herewith for your reference
		Construction of Toilets	Temporary shelter & toilets has been provided to workers enclosed pics as (Annexure-X)	No Violation	NA	8,56,246	NA	Bills submitted in hard copies.
		STP & Dual Plumbing installation of 550 KLD	Water Demand is being fulfilled by Municipal Water Supply Sewage Water is treating in 250 KLD STP and Recycled and reuse for Greenbelt, Flushing purposes.dual plumbing is done and operational.	No Violation	NA	INR 45,00,000(STP)+ 28,03,243 (Dual plumbing)= 73,03,243		We have already obtained municipal water supply permission which is attached for reference.
		Construction of 8 RWH	6.0 nos of rain water harvesting has been provided. NO Violation	No Violation	NA	INR 44,72,000		6 RWH pits are constructed & CGWB compliance to be done.
	Operation Phase	Abstraction of Ground water	No Violation	No Violation	NA	NA	NA	Water is being supplied through Municipal Supply. NOC is attached as Annexure VII
		STP & Dual Plumbing AMC & Maintainanc	No Violation	No Violation	STP operation and mainte	NA	INR 5,40,000 (STP AMC @ 45000rs/month)+	STP is FULL functional . Photos

		e of 250 KLD			nance @ Rs 45,000/ month		1,68,389 (Dual plumbing) = 7,08,398.	of STP Attached Annexure VIII
		Maintenance and cleaning of RWH system	No Violation	No Violati on	Mainte nance and cleanin g of RWH system @ Rs 32,000/ twice in a year	NA	INR 32,000 (Recurring cost for the maintenance of RWH pits.)	Bills are Submitted
		Cleaning and maintenance of water network @ Rs 50,000/twice in a year	No Violation	No Violati on	Cleanin g and mainte nance of water networ k @ Rs 50,000/ twice in a year	NA	2,00,000	.
	Occupational Health and Safety of construction worker							
	Constr uction Phase	First aid kit at site	50,000		--	--	--	Proof is not available, therefore cost is taken in Remediati on Cost
		PPE for labor	50,000		--	--	--	
		Health checkup for labor twice in a year for 50 LABOR @ 1000/ labor	50,000		--	--	--	
7	Operati on Phase	--			--	--	--	
	Ecology Environment							
8	Constr uction Phase	Cutting of Trees	No Tree Falling done No Violation	No Violatio n	--	--	--	No tree was felled. No tree was present

								on the land. Attached affidavit Annexure - I
		Development of Green Area	Total 300 trees planted during construction. Species wise and location wise inventory enclosed as (Annexure-XIII)			INR 7,62,313	INR 1,90,546	Green area will be developed in the project site. Plantation photos attached Annexure - IX
	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	Soil characteristics are as per baseline environmental data. Total land area 24021 sqm, ground coverage @ 30%= 7206.3 Sq.M, excavated material= 21618.9 cum, total quantity of topsoil have been used for the development of garden area which is 2402.1 Sqm i.e. 10.0 %	No violation as entire top soil was used in garden and back filling of plinth area.		NA	INR 5,63,849.00		Ledger accounts are submitted in hard copies.

		of total plot area.						
	Operati on Phase	--			--	--	--	
	Noise Environment							
10		Ear plugs for labour@ Rs 100/pcs (1000 pcs)	1,00,000			--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Operati on Phase	Replacement of Vibration pads of DG set (once in five years)	1,50,000		Replace ment of Vibratio n pads of DG set			Five years not completed yet. Hence cost is not taken in remediation cost
	Energy Conservation							
	Constr uction Phase	--			--	--	--	
11	Operati on Phase	Installation of LED	No Violation		--	INR 9,56,981	INR 1,89,634 (This amount has been incurred for the maintenance point of view.)	Proof is available photographs attached ANNEXURE XI
		Solar Panel	Additional Solar Panels for 8 KW power capacity is proposed. INR 5,00,000					This is taken as remediation cost.
12	Transportation of Trucks							

	Constr uction Phase	Tarpaulin covers for trucks			50,000	--	--	--	Proof is not available. Thus 50,000 are used in remediation <u>cost.</u>
	Operati on	--				--	--	--	
	Disaster Management Plan								
		Earthquake resistant structure	No Violation	No Violation	--	--	--	--	Already included in cost of project
13	Constr uction Phase	Fire fighting system	Machines were equipped with their fire extinguishing equipment. Only base earth excavation work is done for 70 days, enclosed as per (Annexure-XVIII) NO	No Violation		INR 25,94,328	INR 1,98,000		Fire NOC is obtained which is attached as Annexure XII.

			VIOLA TION Fire Fightin g Organi zing and Arrang ement : Extern al fire hydra nt syste m, hose pipes, pumps with contro l panel, overh ead tanks, First aid, fire exting uisher s, sand bucket s, Manu al and autom atic fire alarms , main securit y room, etc.					
--	--	--	---	--	--	--	--	--

	Operati on Phase	Quarterly training@ 2,000/training for 5 years		30,000	Quarterly training@ 2,000/training		6,000	Cost is taken under remediati on
	Total Cost			16,26,605		2,34,47,355	1,92,443	
		Remediation Cost		16,26,605	Cost of EMP	2,36,39,798		
		Remaining Remediation Cost		16,26,605	Cost of EMP	2,36,39,798		

Expenditure of Proposed Remediation Cost:

Activity	Remark	Total (INR)	First Year (INR)	Second Year (INR)	Third Year (INR)
1. Environmental Management					
Plantation of trees along the roadside area inside or outside the project	Plantation of trees near project site or any other nearby projects	11,00,000		-	11,00,000
2. Community resource development					
Help of municipal authority for maintenance of already developed park in surrounding area.	Development of park	2,26,605		-	2,26,605
3. Natural resources augmentation					
Solar street light /led in nearby road side	12 @ Rs 25,000/ pieces	3,00,000	1,00,000	1,00,000	1,00,000
Total remediation cost (1+2+3)		16,26,605	2,00,000	2,00,000	12,26,605

Thus as above, PP has proposed Rs. 2,52,66,403 Lakhs (Rs. 16,26,605 as Remediation Cost and Rs. 2,36,39,798 as EMP) for this project and PP M/s Satyamitra Infrastructure Pvt Ltd, Address: 247, Prem Trade Center, Maharani Road, Indore(M.P) has proposed to submit bank guarantee of INR Rs. 16,26,605 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.16,26,605.00 (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 Development of Multi Dwelling units “SATYAMITRA RAJLAXMI NATURE ”Plot No. 537, Village Rangwasa Tehsil & Dist. Indore, Madhya Pradesh. Plot Area – 24021sqm. Built-up Area- 28,433 sqm. Built-up Area Constructed – 28,433sqm., Category: 8 (a) Building & Construction Project.subject to the following special conditions and submission of bank guarantee (BG) with 03 years validity of Rs.16,26,605.00 (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. 01nos. of Diesel power generating sets of total capacity 250 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 all 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 01 DG set 250 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 268 KLD out of which 156 KLD is fresh water requirement and 192 KLD will be the total recycled water generated. 90 KLD recycled water will be used for flushing and, while 17 KLD water will be used for horticulture.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be to monitor to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF& CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.

- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total 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, 06 recharge pits (06 pits – existing) will be constructed for harvesting rain water. The 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 STP based on MBBR based technology (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 250KLD 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. Energy Conservation Techniques can be considered as Space Cooling: External shading prevents solar radiation from entering into the buildings and reduces the cooling load, results to better control of overheating and indoor temperatures. Space cooling load may be reduced by 30% due to proper shading.
- iv. Thermal insulation of buildings external walls and roof reduces the cooling load and improves indoor thermal comfort conditions by lowering heat gains through the building's envelope. Energy consumption in insulated buildings may be 5–30% less than in non-insulated buildings.
- v. Domestic hot water: Solar collectors reduce the annual energy consumption for domestic hot water production by lowering the load covered by electrical or thermal heating. Energy consumption in buildings with solar collectors may be 60–80% less than in buildings with electric heaters.
- vi. 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.
- vii. Energy conservation measures like installation of CFLs/LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

VI. Water Management

- i. Total solid waste 1006.4 Kg/day , this consist all types of wastes as domestic waste, Horticulture Waste , e- waste etc.) 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 250 trees shall be planted in the area of 2403.53 sq. mt. (10 % of net 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 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 286 ECS (in which 154ECS for Silt parking, 00ECS for Basement Parking and 132 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. 2,52,66,403.00 wherein Rs. 16,26,605 as Remediation Cost and Rs. 2,36,39,798 Lakhs as EMP for this project and PP M/s Satyamitra Infrastructure Pvt Ltd,

Address: 247, Prem Trade Center, Maharani Road, Indore(M.P). has proposed to submit bank guarantee of INR Rs. 16,26,605.00 towards Remediation Plan.

- vi. For this project PP has proposed Rs 84.00 Lakh as Corporate Environment Responsibility (CER) in which is @ 2 % of the project cost this amount shall be disbursed in the three years.

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.

6. Case No. - 7495/2020 M/s Indore Treasure Town pvt. Ltd, Authorized Signatory, Shri Yogesh Goswami S/o Shri R.M.Goswami, North Shop No. 155, Veena Mall, Kandivali East Off W.E. Highway, Dist. - Mumbai, (MH) – 400101. Prior Environment Clearance for Construction of "Treasure Town and Vihar" Plotted Development and Group Housing Project [Total Plot Area = 360120.000 sqm, Total Proposed Built-up Area = 373152 sqm] at Village - Bijalpur, Tehsil & Dist. - Indore, MP [23375] Env. Con. – Paramarsh Services Env. And Dev., Lucknow (U.P.). For- Building Construction. ToR (Violation).

This is case of Environment Clearance for "Treasure Town and Vihar" Plotted Development and Group Housing Project [Total Plot Area = 360120.000 sqm, Total Proposed Built-up Area = 373152 sqm] at Village - Bijalpur, Tehsil & Dist. -Indore, MP FoR – ToR (Violation) Cat. - 8(b) Township & Area Development Projects.

PP has submitted ToR (Violation) vide letter dated 24/08/2020 which was forwarded through SEIAA vide letter no. 2395 dated 25/08/2020, which was placed before the committee.

This case was presented by the PP and their consultant and during presentation during discussion and perusals of the documents it was observed by the committee that the It's a case of Violation, wherein PP / consultant submitted that about 60% construction took place and PP and their consultant presented the presentation before the committee PP. PP stated that this project is <10 KM from Ralamandal sanctuary hence vide application no. FP/MP/others/5315/2020 dated 28.8.2020 they have applied for NBWL Clearance.

Committee considering the recent GoI, MoEF & CC Notification dated 8th March, 2018 recommends that case may be dealt as per the provisions laid down in this notification and the project may be granted Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the EIA report by the accredited consultant and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories.

Hence committee recommended to issue additional TOR as per notification dated 08th March 2018 along with standard TOR prescribed by the MoEF&CC for conducting the EIA as follows:-

1. How much construction took place, details of unit completed.
2. Project description, its importance and the benefits.
3. Project site detail (location, toposheet of the study area of 10 Km, coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage.
4. Land use as per the approved Master Plan of the area, permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board etc.
5. Land acquisition status, R & R details if any.
6. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 Km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.

7. Baseline environmental study for ambient air (PM10, PN2.5, SO₂, NO_x & CO), water (both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/CPCB guidelines at minimum 5 locations in the study area of 10 Km.
8. Details on flora and fauna and socio-economic aspects in the study area.
9. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.)
10. Sources of water for different identified purpose with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
11. Waste water management (treatment, reuse and disposal) for the project and also the study area
12. Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.
13. Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
14. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environmental (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
15. Preparation of EMP comprising remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
16. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.

7. Case No 7562/2020 Shri Rohit Tiwari S/o Shri Mahesh Tiwari, R/o - Khiruhi Khanna, Dist. Hameerpur, UP Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (11024 cum per annum) (Khasra No. 880/1, 880/2, 882, 883, 884/1, 884/2, 885/1, 885/2), Village - Ghatahari, 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. 880/1, 880/2, 882, 883, 884/1, 884/2, 885/1, 885/2), Village - Ghatahari, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

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

format duly verified in the Collector Office letter no. NIL dated: NIL has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 2.645 ha., including this mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, it was observed that the pit is already excavated. Moreover, some co-ordinates fall on Kachcha road, PP shall left 10m setback from both sides of Kachcha road in lease as non-mining zone.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha road	Within lease	-	Setback of 10m from both sides of Kachcha road in lease excluding 7.5m of barrier zone as non-mining zone.

During presentation it was observed by the committee that the shape of lease is very awkward (horse shoe shape) and mining is not possible on the northern part and southern part of lease considering its width. Committee after deliberation decided that depth restriction may be imposed on this lease and PP shall be allowed mining only upto 06 meter of depth that too on the eastern side of the lease. After presentation, the committee asked to submit following details:

- Revised plan leaving setback of 10m from both sides of Kachcha road in lease excluding 7.5m of barrier zone as non-mining zone.
- Considering the shape of lease no mining shall be proposed on the northern part and southern part of lease and thus revised surface map be submitted by PP showing non mining area and space available at pit bottom.

PP has submitted the response of above quarries same date vide letter dated 18.09.2020, 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 11,024 cum per annum.
2. The maximum depth shall be only 06 meters.

3. A budgetary provision for Environmental management Plan of Rs. 06.17 Lakh as capital and Rs. 02.84 Lakh/year as recurring and under CER Rs. 0.70 Lakh/annum is proposed.

8. Case No 7563/2020 Shri Upendra Kumar Shukla S/o Shri Ramkhilawan Shukla, R/o Rajendra Nagar, Kavari, Dist. Mahoba, UP Prior Environment Clearance for Stone Quarry in an area of 1.289 ha. (30210 cum per annum) (Khasra No. 88, 87/1, 87/2), Village - Badaurakalan, 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. 88, 87/1, 87/2), Village - Badaurakalan, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 1.289 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. 1464 dated: 11/08/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 2.645 ha., including this mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, it was observed that a Kachcha road is at a distance of approximately 40m towards South side.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha Road	40	South	Controlled blasting with arrangements of sand bags and three rows of plantation towards road side.

After presentation, the committee asked to submit following details:

- Revised plantation scheme as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 18.09.2020, 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 – 30,210 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 05.63 Lakh as capital and Rs. 02.85 Lakh/year as recurring and under CER Rs.0.85 Lakh/year years is proposed.

9. Case No 7564/2020 M/s Jai Maa Bhadrakali Granite, R/o Nala No. 02 Road, Dist. Morena, MP Prior Environment Clearance for Stone Quarry in an area of 2.250 ha. (102315 cum per annum) (Khasra No. 182), Village - Badaurakalan, 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. 182), Village - Badaurakalan, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 2.250 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. 1579 dated: 26/08/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, it was observed that the pit is already excavated for which PP submitted that when they got the lease pits were in existence and they have also shown the same on surface map. Moreover, some co-ordinates fall on Kachcha road, PP shall left 10m setback from both sides of Kachcha road in lease as non-mining zone.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha road	07	East	Setback of 10m from Kachcha road in lease excluding 7.5m of barrier zone as non-mining zone. Controlled blasting with arrangements of sand bags and three rows of plantation towards road side.

After presentation, the committee asked to submit following details:

- Commitment from PP that no mining has been done since 2013.
- Revised plan leaving setback of 10m from Kachcha road in lease excluding 7.5m of barrier zone as non-mining zone.
- Details of space available at pit bottom.
- Revised EMP as suggested by the committee.
- Revised plantation scheme as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 18.09.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 1,02,315 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.11.30 Lakh as capital and Rs. 03.84 Lakh/year as recurring and under CER Rs. 01.70 Lakh/annum is proposed.

10.Case No 7567/2020 Shri Jai Bahadur Singh S/o SHri Surendra Pratap Singh, R/o South Karoudiya, Tehsil - Gopad Banas, Dist. Sidhi, MP Prior Environment Clearance for Stone Quarry in an area of 2.580 ha. (43947 cum per annum) (Khasra No. 156, 157 Part), Village - Bahera West, Tehsil - Gopad Banas, Dist. Sidhi (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 156, 157 Part), Village - Bahera West, Tehsil - Gopad Banas, Dist. Sidhi (MP) 2.580 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. 552 dated: 21/08/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 4.28 ha., including this mine.

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.

11. Case No 7494/2020 Shri Monu Kumar Goyal, Mahaveer Nagar, Dist. Kota, Raj. – 476337 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (16530 cum per annum) (Khasra No. 4201/1), Village - Kaswa Badoda, Tehsil - Badoda, Dist. Sheopur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 4201/1), Village - Kaswa Badoda, Tehsil - Badoda, Dist. Sheopur (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. 265 dated: 02/07/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 4.94 ha., including this mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, it was observed that Kachcha road, exists towards north side.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha road	130	North	Controlled blasting with arrangements of sand bags and three rows of plantation towards road side.

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 16,530 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 12.51 Lakh as capital and Rs. 2.18Lakh/year as recurring and under CER Rs. 3.50 Lakh is proposed.

12. Case No 7513/2020 Shri Monu Kumar Goyal, Mahaveer Nagar Vishtar Yojana, Dist. Kota, Raj. – 476337 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (6270 cum per annum) (Khasra No. 4198) at Village- Badoda, Tehsil- Sheopur, District- Sheopur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 4198) at Village- Badoda, Tehsil- Sheopur, District- Sheopur (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. 266 dated: 02/07/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, it was observed that Kachcha road, exists towards north side.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha road	30	North	Controlled blasting with arrangements of sand bags and three rows of plantation towards road side.

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 6,270 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 12.51Lakh as capital and Rs. 2.18 Lakh/year as recurring and under CER Rs. 0.50 Lakh/annum is proposed.

13. Case No 7501/2020 M/s Hanuman Stone Crusher, Prop. Smt. Chhaya Vasankar, Hanuman Mandir Ke Pass, Khaknar, Dist. Burhanpur, MP – 450331 Prior Environment Clearance for Stone Quarry in an area of 1.683 ha. (10450 cum per annum) (Khasra No. 75/4), Village - Jamuniya Raiyat, Tehsil - Khaknar, Dist. Burhanpur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 75/4), Village - Jamuniya Raiyat, Tehsil - Khaknar, Dist. Burhanpur (MP) 1.683 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. 157 dated: 31/01/2020 has reported that here are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP that the lease area is in agriculture field, and there are ridge and furrows are seen. Hence, the committee after deliberation asked PP to NPK shall be analyzed in soil sample and same should be submitted by PP for further appraisal of this case.

14. Case No 7496/2020 Shri Omprakash Maina, Gram & Post - Dhakana Dhakan Chapna, Tehsil & Dist. Raisen, MP – 464551 Prior Environment Clearance for Murrum Quarry in an area of 1.0 ha. (8040 cum per annum) (Khasra No. 70/1/3), Village - Dhakna Chapna, Tehsil - Raisen, Dist. Raisen (MP)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 70/1/3), Village - Dhakna Chapna, Tehsil -

Raisen, Dist. Raisen (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 2005 dated: 24/06/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, following sensitivity were recorded:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Canal	110	North-West	No blasting is proposed.
Kachcha road	180	West	Three rows of plantation.
Habitation	>200	-	No blasting is proposed.

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

1. Production shall be as per mine plan with quantity not exceeding for Murum 8,040 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.78 Lakh as capital and Rs. 1.74 Lakh/year as recurring and under CER Rs. 0.25 Lakh/annum is proposed.

15. Case No 7514/2020 Shri Sumit Pachouri, Gram - Bilakheda, Post - Khasrod, Tehsil - Gouharganj, Dist. Raisen, MP - 473551 Prior Environment Clearance for Stone Quarry in an area of 3.60 ha. (56658 cum per annum) (Khasra No. 168/1, 168/2) at Village- Samnapurkalan, Tehsil- Goharganj, District- Raisen (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 168/1, 168/2) at Village- Samnapurkalan, Tehsil-

Goharganj, District- Raisen (MP) 3.60 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. 74 dated: 10/08/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP that the lease area is green field and following sensitivity were recorded:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha road	40	East	Three rows of plantation
River	150	-	-

After presentation, the committee asked to submit following details:

- Revised plantation scheme as suggested by the committee during presentation.
- Lease agreement letter shall be submitted by the PP.
- Revised EMP & CER.

PP has submitted the response of above quarries same date vide letter dated 18.09.2020, 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 56,658 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 20.15Lakh as capital and Rs. 2.84Lakh/year as recurring and under CER Rs. 1.60 Lakh/annum is proposed.

16. Case No 7522/2020 M/s J.P.Infracon, Partner, Shri Pushpendra Gupta, Nagar Nigam Complex, Hospital Road, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 7.110 ha. (316951.60 cum per annum) (Khasra No. 1065, 1074, 1078, 1079, 1080, 1081, 1082, 1083, 1085, 1086, 1110, 1111, 1112, 1113/2, 1114) at Village- Dirman, Tehsil- Gohad, District- Bhind (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1065, 1074, 1078, 1079, 1080, 1081, 1082, 1083, 1085, 1086, 1110, 1111, 1112, 1113/2, 1114) at Village- Dirman, Tehsil- Gohad, District- Bhind (MP) 7.110 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. 18 dated: 04/01/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 7.110 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. The project proponent shall discuss the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area", and shall be discussed in the EIA report(if any).
2. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
3. A road is in existence at a distance of 95 mts and a canal at a distance of 50 meters thus their protection plan shall be discussed in the EIA report.
4. Detailed study of ground vibration and fly rocks shall be done.
5. Transportation plan & traffic management plan should be discussed in the EIA report.

6. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
7. Hydro geological study should be carried out if ground water intersection is proposed.
8. Top soil management plan should be addressed in EIA report.

17. Case No 7519/2020 Shri Abhishek Sharma, Dubey Colony, Dist. Ashoknagar, MP – 473338 Prior Environment Clearance for Murrum Quarry in an area of 1.0 ha. (6560 cum per annum) (Khasra No. 1351/1, 1362/1Kh, 1351/2, 1355/1/1/Gh, 1362/1/2) at Village- Ranwasar, Tehsil- Ashoknagar, District- Ashoknagar (MP)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1351/1, 1362/1Kh, 1351/2, 1355/1/1/Gh, 1362/1/2) at Village- Ranwasar, Tehsil- Ashoknagar, District- Ashoknagar (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. 385 dated: 11/06/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation during presentation PP submits that since it is Murrum mine, hence no blasting is proposed in this mining. Mining shall be done through Opencast Semi Mechanized Method. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum 6,560 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 5.95Lakh as capital and Rs. 1.58 Lakh/year as recurring and under CER Rs. 0.21Lakh/annum is proposed.

18. Case No 7524/2020 Shri Hariram Singh, Gram Dhuriya Ka Pura Bareda, Dist. Morena, MP – 477001 Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (50332.58 cum per annum) (Khasra No. 2003, 2004, 2005, 2016) at Village- Chharenta, Tehsil- Gohad, District- Bhind (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2003, 2004, 2005, 2016) at Village- Chharenta, Tehsil- Gohad, District- Bhind (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. 1980 dated: NIL has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, following sensitivity were recorded:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha road	25	South	Three rows of plantation

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 50332.58 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 21.10 Lakh as capital and Rs. 2.84 Lakh/year as recurring and under CER Rs. 1.60 Lakh/annum is proposed.

19. Case No 7553/2020 Shri Mayank Sharma S/o Shri Girdharilal Sharma, Najul Colony, Dist. Guna, MP – 473001 Prior Environment Clearance for Murrum Quarry in an area of 2.0 ha. (6900 cum per annum) (Khasra No. 13), Village - Ganeshpura, Tehsil - Guna, Dist. Guna (MP)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 13), Village - Ganeshpura, Tehsil - Guna, Dist. Guna (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. 235 dated: 17/12/2019 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.0 ha., including this mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, following sensitivity were recorded:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Water body	250	-	No blasting proposed

The case was presented by the PP and their consultant during presentation during presentation PP submits that since it is Murrum mine, hence no blasting is proposed in this mining. Mining shall be done through Opencast Semi Mechanized Method. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum 6,900 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 9.50 Lakh as capital and Rs. 1.58 Lakh/year as recurring and under CER Rs. 0.27 Lakh/annum is proposed.

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

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

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

The case was scheduled for the presentation in 434th SEAC meeting dated 20/05/2020 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

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

Vide letter dated nil PP has submitted the necessary letter of MO clarification were placed before committee. Wherein MO quoted E.E. WRD, Shyopur vide no. 114 dated 07.01.2008 submitted that the excavation was made due to requirement of stone for canal lining and widening of road from the same site/ Khasra. Committee accepts the reply submitted by PP.

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

1. Production shall be as per mine plan with quantity not exceeding for Stone 8,656 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 8.58 Lakh as capital and Rs. 1.94 Lakh/year as recurring and under CER Rs. 0.70 Lakh/annum is proposed.

21. Case No. – 6380/2019 Smt. Sushma Sanodiya, W/o Gyanchand Sanodiya, Near to Sinhvahini Mandi, Babariya Road, Barapathar, Dist. Seoni, MP Prior Environment Clearance for Metal Stone Quarry in an area of 3.00 ha. (46,360 cum per annum) (Khasra No. 30/1, 32), Village - Gangerua, 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. 30/1, 32), Village - Gangerua, Tehsil - Seoni, Dist. Seoni (MP) 3.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1263 dated: 20/11/15 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine total area of 18.55 ha., including this mine.

The case was presented by the PP and their consultant to obtain TOR for capacity expansion of Metal Stone Quarry, from 2,850 cum/year to 46,350 cum/year. During presentation as per Google image (March 2019) based on co-ordinates provided by PP, it was observed by committee that large mining activities are in operation in this area, crusher is also installed in the lease and a stream / backwater of pond is in existence on the south side of the lease. Thus committee decided to carryout site visit by a sub-committee of SEAC and TOR will be recommended after the site visit report.

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

Vide dated 31.08.2020 PP submitted the drone video of the lease area wherein crusher is installed and backwater of pond is in existence on the south side of the lease. PP submitted that this area shall be dealt as non- mining area. Committee after deliberations decided it's a

case Stone with total area of 18.55 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance hence committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and general conditions as per Annex. D for expansion:-

1. Revised surface plan wherein showing non- mining area where crusher and backwater of pond is in existence on the south side of the lease.
2. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
3. A certification from Tehsildar /Gram Panchayat shall be obtained and submitted with EIA report that pit in existence within the lease area is not a water body as submitted by PP.
4. Compliance of earlier EC condition verified by the competent authority.
5. Detailed study of ground vibration and fly rocks shall be done.
6. Transportation plan & traffic management plan should be discussed in the EIA report.
7. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
8. Level of mechanization should be discussed in the EIA report.
9. Hydro geological study should be carried out if ground water intersection is proposed.
10. Top soil management plan should be addressed in EIA report.
11. Input data of modeling should be addressed in EIA along with this all back up calculation.

22.Case No 7526/2020 Shri Sanjay Sanodiya S/o Shri Omkar Singh Sanodiya, Barapatthar, Tehsil & Dist. Seoni, MP Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (8980 cum per annum) (Khasra No. 13), Village - Badhi, Tehsil - Seoni, Dist. Seoni (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 13), Village - Badhi, Tehsil - Seoni, Dist. Seoni (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 421 dated: 31/07/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, it was observed that the pit is already excavated. PP submitted that it is very old pit and they have got the lease in such condition and the pit has shown on surface map.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Nallah	90	North	-
Kachcha Road	10	East	Controlled blasting with arrangements of sand bags and three rows of plantation towards road side.
Canal	130	West	-

After presentation, the committee asked to submit following details:

- Revised CER by adding budget for grazing land development as per latest O.M 16/01/2020

PP has submitted the response of above quarries same date vide letter dated 18.09.2020, 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':

- Production shall be as per mine plan with quantity not exceeding for Stone 8,980 cum per annum.
- A budgetary provision for Environmental management Plan of Rs. 5.20Lakh as capital and Rs.3.44 Lakh/year as recurring and under CER Rs. 2.0 Lakh in 05 years is proposed.

23. Case No 7527/2020 M/s Gulmohar Stone Crusher, Partner, Shri Anurag Chaturmohta & Shri Pranay Jain, Ward No. 18, Chaturmohta Hospital, Dist. Balaghat, MP - 480661 Prior Environment Clearance for Stone Quarry in an area of 2.50 ha. (52770 cum per annum) (Khasra No. 202), Village - Belkhedi, Tehsil - Seoni, Dist. Seoni (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 202), Village - Belkhedi, Tehsil - Seoni, Dist. Seoni (MP) 2.50 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 581 dated: 21/08/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during presentation it was observed that this is the case of expansion in production capacity, hence committee recommend that PP shall submit compliance report of earlier EC conditions from MoEf & CC for further consideration of this project.

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

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

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

Earlier this case was scheduled for presentation in 387th SEAC meeting dated 07/08/2019 wherein neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in 380th SEAC meeting dated 05/07/2019. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented by the PP and their consultant wherein it was observed from the Google image that the lease is already excavated, for which PP submitted that they have obtained EC from DEIAA and it's a case of lease renewal. Committee observed that the coordinates are not matching with the actual lease boundary shown by the PP and as per the

co-ordinates provided in mine plan. Committee also observed that lease has already infringed natural stream which is in existence on the western side of the lease.

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

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

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

The case was scheduled again for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 454th dated 29/8/20 & SEAC 451st dated 14.08.2020. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, following sensitivity were recorded:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Natural drain	20	South-West	-
PMGSY Road	70	South-East	Controlled blasting with arrangements of sand bags and three rows of plantation towards road side.
Hutments	150	North-East	Protection plan is needed

After presentation, the committee asked to submit following details:

- PP shall submit Protection plan for nearest hutment at North-East side of lease boundary.
- Revised CER as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 18.09.2020, 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 5,880 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 5.24 Lakh as capital and Rs. 3.10Lakh/year as recurring and under CER Rs. 0.40 Lakh/year is proposed.

25. Case No 7502/2020 M/s MKC Infrastructure Ltd, Shivnagar, Anjar, Dist. Kachh, Guj. – 370110 Prior Environment Clearance for Stone Quarry in an area of 4.90 ha. (700000 cum per annum) (Khasra No. 161), Village - Bhuwargarh, Tehsil - Sitamau, Dist. Mandsaur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 161), Village - Bhuwargarh, Tehsil - Sitamau, Dist. Mandsaur (MP) 4.90 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 2176 dated: 25/06/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, following sensitivity were recorded:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Road	340	West	Controlled blasting with arrangements of sand bags and three rows of plantation towards road side.

PP further submits that this is temporary permit lease for mining and to reduce the number of trips transportation will be done by 12 cum capacity trucks. PP submitted that the conceptual depth is 40 meters and space available at pit bottom will be 35x125 meters which is sufficient to carryout mining operations. PP further submitted that after 06 meters depth they will obtain the permission of DGMS and follow the norms prescribed by them. After presentation, the committee asked to submit following details:

- Details of space available at pit bottom shall be submitted.
- Revised plantation scheme @ 6000 number of trees shall be planted as suggested by the committee.
- Revised CER by adding cost for development of grazing land and COVID as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 18.09.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 7,00,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.19.59 Lakh as capital and Rs. 11.20Lakh/year as recurring and under CER Rs. 2.0 Lakh/annum for 02 years is proposed.

26. Case No. – 7655/2019 M/s Indore Municipal Corporation, Pradhan Mantri Awas Yojana, 107-109, First Floor, Palika Plaza, Dist. Indore, MP Prior Environment Clearance for Construction of Residential Building Project (Affordable Housing Project Under Pradhan Mantri Awas Yojna) (Total Plot Area = 47150.0 sqm, Built-up Area of Area = 49334.02 sqm) at Village - Rangwasa, Tehsil - Rau, District - Indore (MP)

This is case of Environment Clearance for Construction of Residential Building Project (Affordable Housing Project Under Pradhan Mantri Awas Yojna) (Total Plot Area = 47150.0 sqm, Built-up Area of Area = 49334.02 sqm) at Village - Rangwasa, Tehsil - Rau, District - Indore (MP).

This is case of Prior Environment Clearance for Development of Residential Township Comprising of EWS and LIG units at Rangwasa (Total Plot Area = 47150sqm, Total Built up Area = 49334.02sqm) at Khasra no. 508/1/1 & 508/1/2. Rangwasa Tehsil- Sanyogitaganj& District: Indore, State: Madhya Pradesh.

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

Project Proposal	Environmental Clearance Proposed Affordable housing project at Rangwasa under Pradhanmantri Awas Yojna by M/s. Indore Municipal Corporation
Total Plot Area	47150 m ²
Total Built up Area	49334.02 m ²
Location of Project	Khasra no. 508/1/1 & 508/1/2. Rangwasa Tehsil- Sanyogitaganj& District: Indore, State: Madhya Pradesh.
Occupancy	In possession of Proponent

Geological Location	Latitude - 22°39'27.60"N Longitude - 75°47'31.69"E
Altitude of the Site	568 m- 575 m
Estimated Project Cost	INR 105.36 crores

The case was presented by PP and their consultant during presentation as per Google image based on coordinates provided by PP it was observed that the proposed project where township is proposed is old abandoned mined out area where area is uneven and pits are seen very distinctly. PP stated that this project based on conventional material to be used in building construction projects. The Ralamanadal sanctuary is >10.0 KM from the site. Committee after presentation and deliberation PP was asked to submit following information for further consideration of the project.

1. Undertaking from PP regarding that Ralamanadal sanctuary is >10.0 KM from the project site.
2. Details of plantation species proposed in green belt development with numbers as suggested during presentation.
3. Under CER explore possibility of R&D funding to the nearby academic institutions.

PP vide letter dated 18.09.2020 has submitted the revised plantation species details which was placed before the committee. After presentation and submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Development of Residential Township Comprising of EWS and LIG units at Rangwasa (Total Plot Area = 47150 sqm, Total Built up Area = 49334.02 sqm) at Khasra no. 508/1/1 & 508/1/2. Rangwasa Tehsil- Sanyogitaganj& District: Indore, State: Madhya Pradesh.Cat. 8(a) subject to the following special conditions:

Statutory Compliance

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.

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

II. Air Quality Monitoring and preservation

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF& CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. 9 Diesel power generating sets 50 kVA *4 nos.& 62.50 x 5 no.sproposed 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 50 kVA *4 nos. & 62.50 x 5 no.s 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 754 KLD out of which 440 KLD is fresh water requirement and 543KLD will be the total recycled water generated, out of which 252 KLD recycled water will be used for flushing and 32 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, 16 recharge pits will be constructed for harvesting rain water. 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 - **700 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 700 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 2834.5 Kg/day, this consist all types of wastes (as Organicwaste 1700.7 Kg/day and non- organic waste 850 Kg/day), Inert waste 283 Kg/day, E- waste 993Kg/Annum, and these all type of waste shall be treated/ disposed off as per provision made in the MSW Rules 2016.
- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (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 500 trees shall be planted in the area of 4660 m²(10 % of total plot area)which is developed as greenbelt 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 505 ECS (in which nil ECS for Basement parking , 272 for ECS for Silt parking and 233 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. For Environment Management Plan PP has proposed Rs.7.3 Crore as capital and Rs. 71 Lakhs as recurring cost for this project.
- vi. For this project PP has proposed Rs 160Lakhs as Corporate Environment Responsibility (CER) for remaining project component.

XI. Miscellaneous

- i. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.
- ii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the State Expert Appraisal Committee (SEAC)
- iii. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- iv. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

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.

27.Case No. – 7656/2019 M/s Indore Municipal Corporation, Pradhan Mantri Aawas Yojana, 107-109, First Floor, Palika Plaza, Dist. Indore, MP Prior Environment Clearance for Construction of Residential Building Project (Affordable Housing Project Under Pradhan Mantri Awas Yojna) (Total Plot Area = 87960.0 sqm, Built-up Area of Area = 148796.16 sqm) at Village - Niranjanpur, 45 M Wide MR-11, Road, Tehsil - Indore, District - Indore (MP)

This is case of Environment Clearance for Construction of Residential Building Project (Affordable Housing Project Under Pradhan Mantri Awas Yojna) (Total Plot Area = 87960.0 sqm, Built-up Area of Area = 148796.16 sqm) at Village - Niranjanpur, 45 M Wide MR-11, Road, Tehsil - Indore, District - Indore (MP).

This is case of Prior Environment Clearance for Development of Residential Township Comprising of EWS and LIG units at Niranjanpur (Total Plot Area = 87960.00sqm, Total Built up Area = 148796.16sqm) at Village - Niranjanpur, Tehsil& Dist. Indore, (MP).

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

Project Proposal	Environmental Clearance for Proposed Affordable housing project at Niranjanpur by M/s. Indore Municipal Corporation
Total Plot Area	87960.00sq.m
Total Built up Area	148796.16 sq.mt
Location of Project	Khasra no. 87,307,311,312,312/434,284,192/2/2,283,308 & 309 , Niranjanpur,Tehsil&District: Indore, State: Madhya Pradesh.
Occupancy	In possession of Proponent

Geological Location	Latitude 22°46'40.16"N Longitude 75°53'20.86"E
Altitude of the Site	568 m- 575 m
Estimated Project Cost	INR 329.64 crores

The case was presented by PP and their consultant during presentation as per Google image based on coordinates provided by PP it was observed that the proposed project where township is proposed is a slum area. PP stated that people from slum area will be temporarily shifted and after the completion of project possession will be given to them. The Ralamanadal sanctuary is >10.0 KM from the site. PP further stated that existing 1018 family(PAFs) on the project site shall be shifted to other place and after completion project they will be relocated to the their native place hence, no permanent R7R is proposed only temporary shifting is proposed. PP also submitted that no STP shall be installed on the site and the sewage will be treated in the Kabitkhedi CETP through lying of separate sewage line. Committee after presentation and deliberation PP was asked to submit following information for further consideration of the project.

1. Details of plantation species proposed in green belt development with numbers as suggested during presentation.
2. Revised CER.

PP vide letter dated 18.09.2020 has submitted the revised plantation species details which was placed before the committee. After presentation and submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Development of Residential Township Comprising of EWS and LIG units at Niranjapur (Total Plot Area = 87960.00sqm, Total Built up Area = 148796.16sqm) at Village - Niranjapur, Tehsil& Dist. Indore, (MP).

Cat. 8(a)subject to the following special conditions:

Statutory Compliance

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- iii. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.
- iv. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- v. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- vi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- vii. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- viii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.
- ix. The project area shall be secure through boundary wall and excavated top soil shall not be used in filling of low lying area. The top soil shall be used for greenery development.

II. Air Quality Monitoring and preservation

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF& CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. 34 Diesel power generating sets 15 kVA *02nos25 kVA *09 nos 50 kVA *23 nos.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 15 kVA *02 nos 25 kVA *09 nos 50 kVA *23 no.s 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 2466 KLD out of which 2414 KLD is fresh water requirement, out of which 820 KLD recycled water will be used for flushing and 52 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, 13 recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits about 419.76 m³/hr .Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xiv. 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. No individual STP is proposed in this project and the waste water will be treated at Kabitkhedi CETP and necessary sewage pipelines shall be provided by PP.
- xx. No sewage or untreated effluent water would be discharged through storm water drains.
- xxi. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

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

V. Energy Conservation measures.

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured, Building in the State which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be

incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.

- iv. Energy Conservation measures like installation of CFLs/LED'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 9170.5 Kg/day, this consist all types of wastes and these all type of waste shall be treated/ disposed off as per provision made in the MSW Rules 2016.
- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (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 700 trees shall be planted in the area of 7475 m²(10 % of total plot area)which is developed as greenbelt 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.
 - e. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
 - f. Traffic calming measures.
 - g. Proper design of entry and exit points

h. 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.

- i. Total proposed Parking's arrangement for 1515 ECS (in which nil ECS for Basement parking , 732 for ECS for Silt parking and 783 for open parking).

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

IX. Human health issues

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

X. Corporation Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated: 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The Environmental policy should prescribe for standard operating procedures to have proper checks and balance and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined

system of reporting infringements/deviation/violation of the Environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six monthly reports.

- iii. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. For Environment Management Plan, PP has proposed Rs.20.94 Cr. as capital and Rs. 90 Lakhs as recurring cost for this project.
- vi. For this project PP has proposed Rs 500.00Lakhs as Corporate Environment Responsibility (CER) for remaining project component.

XI. Miscellaneous

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

28. Case No. – 7658/2019 M/s Indore Municipal Corporation, Pradhan Mantri Awas Yojana, 107-109, First Floor, Palika Plaza, Dist. Indore, MP Prior Environment Clearance for Construction of Residential Building Project Nilgiri Parisar (Affordable Housing Project Under Pradhan Mantri Awas Yojna) (Total Plot Area = 19280.0 sqm, Built-up Area of Area = 27374.84 sqm) at Village - Badiya Keema, Tehsil - Sanyogitaganj, District - Indore (MP)

This is case of Environment Clearance for Construction of Residential Building Project Nilgiri Parisar (Affordable Housing Project Under Pradhan Mantri Awas Yojna) (Total Plot Area = 19280.0 sqm, Built-up Area of Area = 27374.84 sqm) at Village - Badiya Keema, Tehsil - Sanyogitaganj, District - Indore (MP).

This is case of Prior Environment Clearance for Development of Residential Township Comprising of EWS and LIG units at “NilgiriParisar -2” (Total Plot Area = 19280 sqm, Total Built up Area = 27374.84 sqm) at Khasra No. 482 part. Badiyakeema Tehsil- Sanyogitaganj& District: Indore, State: Madhya Pradesh.

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

Project Proposal	Environmental Clearance for Proposed Affordable housing project “NilgiriParisar -2” by M/s. Indore Municipal Corporation
Total Plot Area	19280 m ²
Total Built up Area	27374.84 m ²
Location of Project	Khasra No. 482 part. Badiyakeema Tehsil- Sanyogitaganj& District: Indore, State: Madhya Pradesh.
Occupancy	In possession of Proponent
Geological Location	Latitude - 22°40'18.08"N Longitude - 75°57'11.03"E

Altitude of the Site	568 m- 575 m
Estimated Project Cost	INR 65.28 crores

It was observed as per Google image based on coordinates provided by PP it was observed that the proposed project where township is proposed is old abandoned mined out area where area is uneven and pits are seen very distinctly. PP stated that this project based on conventional material to be used in building construction projects. The Ralamanadal sanctuary is about 3.5 KM from the site. For which PP has applied NBWL vide their application no. FP/MP/others/5340/2020. Committee after presentation and deliberation PP was asked to submit following information for further consideration of the project.

1. Details of plantation species proposed in green belt development with numbers as suggested during presentation.
2. Under CER explore possibility of R&D funding to the nearby academic institutions.

PP vide letter dated 18.09.2020 has submitted the revised plantation species details which was placed before the committee. After presentation and submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Development of Residential Township Comprising of EWS and LIG units at “NilgiriParisar -2” (Total Plot Area = 19,280 sqm, Total Built up Area = 27,374.84 sqm) at Khasra No. 482 part. Badiyakeema Tehsil- Sanyogitaganj& District: Indore, State: Madhya Pradesh.

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. The project proponent shall obtain the necessary permission from NBWL as project lies <10 kms of Ralamandal Abhayaran before commencing any construction activity.
- vi. 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.
- vii. 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.
- viii. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- ix. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.
- x. The project area shall be secure through boundary wall and excavated top soil shall not be used in filling of low lying area. The top soil shall be used for greenery development.

II. Air Quality Monitoring and preservation

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF& CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. 16 Diesel power generating sets 50 kVA *6 nos. 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 50 kVA *6 nos. shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. The total water requirement during operation phase is 523 KLD out of which 305 KLD is fresh water requirement and 376KLD will be the total recycled water generated, out of which 174 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 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, 7 recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits about 96.84 m³/hr. Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xiv. 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 - 500 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 500 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 1967 Kg/day, this consist all types of ,and these all type of waste shall be treated/ disposed off as per provision made in the MSW Rules 2016.
- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (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 200 trees shall be planted in the area of 2020 m²(10 % 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.
 - i. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
 - j. Traffic calming measures.
 - k. Proper design of entry and exit points
 - l. 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 278ECS (in which nil ECS for Basement parking , 157 for ECS for Silt parking and 121 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. For Environment Management Plan, PP has proposed Rs. 560.00 Lakhs as capital and Rs. 79.00 Lakhs as recurring cost for this project.
- vi. For this project PP has proposed Rs 132.0Lakhs as Corporate Environment Responsibility (CER) for remaining project component.

XI. Miscellaneous

- i. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.
- ii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the State Expert Appraisal Committee (SEAC)
- iii. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- iv. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

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.

29. Case No 7590/2020 M/s Shri Sanjay Lunawat, Village - Bhatedi, Tehsil - Mhow, Dist. Indore, MP Prior Environment Clearance for Area Development Project "Lunawat Cosmos" (Total Plot Area = 598420.0 sqm, Total Proposed Built-up Area = 80455.00 sqm) at Village -Bhatkhedi, Tehsil and District Indore (MP)

This is case of Environment Clearance for Area Development Project "Lunawat Cosmos" (Total Plot Area = 598420.0 sqm, Total Proposed Built-up Area = 80455.00 sqm) at Village - Bhatkhedi, Tehsil and District Indore (MP).

The case was presented by the PP and their consultant and during presentation following details were provided.

- Master Plan approved by Directorate of Town and Country Planning, Madhya Pradesh on dated 15.09.2015
- Construction was started on December 2015.

Chronology:

Proposal submitted to SEIAA	EDS by SEIAA	Submission of EDS	Accepted by SEIAA	Hardcopy submission	SEAC Agenda
24/08/2017	24/04/2018 29/12/2018 21/05/2019	19/12/2018 15/05/2019 07/09/2020	09/09/2020	N/A	N/A

Committee considering the recent GoI, MoEF & CC Notification dated 8th March, 2018 recommends that case may be dealt as per the provisions laid down in this notification and the project may granted Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as a independent chapter in the EIA report by the accredited consultant and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories.

Hence committee recommended to issue additional TOR as per notification dated 08th March 2018 along with standard TOR prescribed by the MoEF&CC for conducting the EIA as follows:-

1. Project description, its importance and the benefits.
2. Project site detail (location, toposheet of the study area of 10 Km, coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage.
3. Land use as per the approved Master Plan of the area, permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board etc.

4. Land acquisition status, R & R details.
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 Km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
6. Baseline environmental study for ambient air (PM10, PN2.5, SO₂, NO_x & CO), water (both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/CPCB guidelines at minimum 5 locations in the study area of 10 Km.
7. Details on flora and fauna and socio-economic aspects in the study area.
8. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.)
9. Sources of water for different identified purpose with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
10. Waste water management (treatment, reuse and disposal) for the project and also the study area
11. Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.
12. Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
13. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environmental (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
14. Preparation of EMP comprising remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
15. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.

30. Case No 7591/2020 M/s Trimbekshwar Agro Industries Pvt. Ltd, Shri Vikas Gupta, Director, Plot No. 27 & 32, AKVN Industrial Area, Meghnagar, Dist. Jhabua, MP - 457779 Prior Environment Clearance for Construction of Manufacturing of Fertilizers Unit of Singh Super Phosphate Plant (Total Production = 300.0 TPD of Powder & Granulated Single Super Phosphate) (Total Area = 9828.56 sqm, Built-up Area of Plant = 3300.00 sqm) at Village - AKVN Industrial Area, Tehsil - Meghnagar, District - Jhabua (MP)

This is case of Environment Clearance for Construction of Manufacturing of Fertilizers Unit of Singh Super Phosphate Plant (Total Production = 300.0 TPD of Powder & Granulated Single Super Phosphate) (Total Area = 9828.56 sqm, Built-up Area of Plant = 3300.00 sqm) at Village - AKVN Industrial Area, Tehsil - Meghnagar, District - Jhabua (MP).

The case was presented by PP and their consultant wherein consultant/PP submitted that this is an existing and modernization project which are producing of City Compost with 3000.0 MT per year, NPK Mix Fertilizers Granulated (By Mixing Only) with capacity of 15000.0 MT per year, Soil Conditioner with capacity of 8000.0 MT per year and Vermi Compost with capacity 2000.0 MT per year, respectively. In these regards, consent order has been obtained from Madhya Pradesh Pollution Control Board (MPPCB) on 14.05.2019 with consent no. AW-65282 which is applicable up to 31.05.2021. Now proposing a chemical fertilizer unit of Single Super Phosphate Plant with capacity of 300.0 TPD of Powder & Granulated Super Phosphate which will be produced in this project. Moreover PP stated that they have collected baseline data.

After presentation, committee decided to recommend standard TOR prescribed by MoEF&CC with following additional TOR and as per Annexure-D:

- PP's commitment that existing products are not coming under EIA Notification 2006 but proposed products are in the pervue of EC criteria.
- Storage of H₂SO₄ acid about 108TPD is proposed hence, storage arrangement shall be submitted.
- MSDS of all hazardous materials.

31. Case No. – 7666/2019 M/s Maheshwar Rolling Mills (P) Ltd, Opp. Officers Mess, Gole Ka Mandir, Dist. Gwalior, MP – 474005 Prior Environment Clearance for Proposed Rolling Mill at Plot No. B-54, B-55, Industrial Area, Banmore, Dist. Morena, (MP)

This is case of Environment Clearance for Proposed Rolling Mill at Plot No. B-54, B-55, Industrial Area, Banmore, Dist. Morena, (MP).

This is a rolling mill project. All non –toxic secondary metallurgical processing industries manufacturing >5000 tones/annum metal components are covered under the EIA Notification 2006 as amended 2009 and are mentioned at SN 3(a), B. Hence these projects are required to obtain prior EC before establishment. The case was forwarded by SEIAA to SEAC for scoping so as to determine TORs' to carry out EIA and prepare EMP for the project.

The case was presented by PP and their consultant wherein consultant/PP submitted following salient features of the projects:

- M/S Maheshwar Rolling Mills Pvt. Ltd. Company is a newly formed Pvt. Ltd. Company incorporated in the state of M.P. vide Certificate of Incorporation No. U27100MP2018PTC046587 dated 19.09.2018. The company is setting up a new project of Rolling Mills at B-54, B-55, Industrial Area, Banmore, Distt. Morena.
- M/s Maheshwar Rolling Mills Pvt. Ltd. Proposed Rolling Mill Unit of M/s Maheshwar Rolling Mills Pvt. Ltd. Total Production capacity of TMT Bars = 90,000 MTPA at Industrial Area Banmore, Morena (M.P.)
- The project area is about 30362.45 Sq. Mt. (3.03 Hect.).
- The facilities proposed in the project includes two new induction furnaces having melting capacity of 15.0 Ton each in 2 phases.
- The proposed establishment of rolling mill unit is covered under the Schedule 3(a) "Metallurgical Industries" of Environmental Impact Assessment (EIA) Notification 2006 & its further amendments.
- The project is a Category 'B1' project according to the notification SO. 1533(E) dated 14th September 2006 and its amendment to till date, which requires preparation of EIA Report and environmental clearance from the Ministry of Environment and Forests & Climate Change (MoEF&CC), Government of India.
- The proposed project will provide employment to about 40 persons in each shifts (40 X 3 Shift) directly & indirectly.
- The facilities proposed in the project includes two new induction furnaces having melting capacity of 15.0 Ton each in 2 phases.

Moreover, PP stated that they have collected baseline data. The Committee after deliberations recommends that being green field project the EIA should be carried out however; public consultation can be exempted because it is proposed in the Industrial Area, Banmore. Committee after deliberations recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's as annexed as annexure "D":-

1. Ambient Air Quality Monitoring Stations should be located in all the villages which are within 01 kms radius of the project site and incremental GLC should be predicted in all such villages.
2. In EIA study the mode of transportation, storage of fly ash, all raw materials and products should be discussed along with their impacts.
3. Protection Plan for surface run off should be discussed in EIA report.
4. Transportation plan & traffic management plan should be discussed in the EIA report.
5. Compliance of earlier EC conditions from the competent authority.
6. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
7. Input data of modeling should be addressed in EIA along with this all back up calculation.
8. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report.

(Dr. Anil Sharma)
Member

(Dr. Mohd. Akram Khan)
Member

(Dr. Sonal Mehta)
Member

(Dr. R. Maheshwari)
Member

(Dr. Jai Prakash Shukla)
Member

(A.A. Mishra)
Secretary

(Dr. Rubina Chaudhary)
Member

(Mohd. Kasam Khan)
Chairman

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

Annexure- 'A'

Standard conditions applicable to Stone/Murum and Soil quarries:

1. Mining should be carried out as per the submitted land use plan and approved mine plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and fenced from all around the site. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
5. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
6. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
7. Crusher with inbuilt APCD & water sprinkling system shall be installed minimum 100 meters away from the road and 500 meters away from the habitations only after the permissions of MP Pollution Control Board with atleast 03 meters high wind breaking wall of suitable material to avoid fugitive emissions.
8. Thick plantation shall be carryout in the periphery/barrier zone of the lease, mineral evacuation road and common area in the village. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
9. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
10. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
11. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
12. To avoid vibration, no overcharging shall be carried out during blasting and muffle blasting shall be adopted. Blasting shall be carried out through certified blaster only and no explosive will be stored at mine site without permission from the competent authority.
13. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks (SS pattern) of suitable sizes shall be provided.
14. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
15. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.

16. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
17. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
18. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
19. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
20. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
21. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
22. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora , fauna etc. Moreover, A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
23. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".

Annexure- 'B'

Standard conditions applicable for the Sand Mine Quarries*

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Only registered vehicles/tractor trolleys which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.

5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4th or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
17. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
18. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
19. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.

23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
24. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
25. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".

Annexure- 'C'

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

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

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

Annexure- 'D'

General conditions applicable for the granting of TOR

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
3. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.

10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
12. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
13. Grant of TOR does not mean grant of EC.
14. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
19. The EIA report should clearly mention activity wise EMP and CER cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analysed.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.

27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
28. The project proponent shall provide the mitigation measures as per MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.

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

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