

The 445th meeting of the State Expert Appraisal Committee (SEAC) was held on 04th July, 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.

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

- 1. Case No 7280/2020 Shri Rajesh Pathak, Ward No. 15, Baihar Road, District Balaghat (MP)-481331 Prior Environment Clearance for approval of Sand Quarry in an area of 3.402 ha. (71,701.2 cum per annum) (Khasra No. 418/1/1 part) at Village- Bamhani, Tehsil- Tirodi, District- Balaghat (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 418/1/1 part) at Village- Bamhani, Tehsil- Tirodi, District- Balaghat (MP) 3.402 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. 446 dated 08/3/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Road Bridge	>500	North-West	-
Well	>170	East	-

Stream	In lease area.	South	Sufficient setback as no mining is allowed in the mid stream.
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A natural stream crossing the lease on the southern side, committee asked PP shall submit revised production plan leaving sufficient non-mining area from both the sides of natural stream in lease since mid stream mining is not allowed. PP stated that this is a case of river sand mining on Wawanthari River. After presentation the committee asked to submit following details:

1. Revised surface map showing leaving sufficient non mining area either side of the Stream.
2. Revised plantation species as suggested by committee.
3. Revised EMP.
4. Revised CER as suggested by committee.

PP has submitted the response of above queries same date vide letter dated 04.07.2020, which was placed before the committee. Committee observed that even after deducting the volume of sand in the natural stream in lease, the sanctioned volume of sand can be evacuated from the available dry area as per the revised plan submitted by PP. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 71,701.2 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 29.52 Lakh as capital and Rs 6.41 Lakh/year as recurring and under CER Rs. 1.75 Lakh per annum is proposed.

2. Case No 7281/2020 Shri Rajesh Pathak, Ward No. 15, Baihar Road, District Balaghat (MP)-481331. Prior Environment Clearance for approval of Sand Quarry in an area of 4.202 ha. (76,021 cum per annum) (Khasra No. 209/1) at Village- Mowad, Tehsil- Khairlanji, District- Balaghat (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 209/1) at Village- Mowad, Tehsil- Khairlanji, District- Balaghat (MP) 4.202 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. 311 dated 20/2/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Road Bridge	Approx. 100	East	Setback of 500m downstream and 250m upstream shall be maintained in lease from bridge as per Enforcement & Monitoring Guidelines 2020 for Sand Mining.

It was observed that a Road Bridge is in exist stance at a distance of approximately 100m towards Eastern side of lease, committee asked PP shall submit Revised Production Plan leaving setback as per Enforcement & Monitoring Guidelines for Sand Mining, 2020. PP further stated that this is a case of river sand mining on Wawanthari River. The mining shall be done as per the approved mine plan by concerned DGMs. After presentation the committee asked to submit following details:

1. Revised surface map showing setback of Dueto Bridge as per Enforcement & Monitoring Guidelines for Sand Mining, 2020.
2. Revised plantation species as suggested by committee.
3. Revised EMP.
4. Revised CER as suggested by committee.

PP has submitted the response of above queries same date vide letter dated 04.07.2020, which was placed before the committee. Committee observed that as per revised production plan submitted by PP, after deducting blocked area due to Road Bridge, 2.61 ha area is available and with the sanctioned depth of 2.5 meters as per approved mine plan, only 65,000 cum of sand can be evacuated. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 65,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 32.51 Lakh as capital and Rs 7.27 Lakh/year as recurring and under CER Rs. 2.00 Lakh per annum is proposed.
3. **Case No 7282/2020 Shri Rajesh Pathak, Ward No. 15, Baihar Road, District Balaghat (MP)-481331. Prior Environment Clearance for approval of Sand Quarry in an area of 4.00 ha. (95,000 cum per annum) (Khasra No. 854 part) at Village- Khairi, Tehsil- Khairlanji, District- Balaghat (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 854 part) at Village- Khairi, Tehsil- Khairlanji, District- Balaghat (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 208 dated 06/2/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during presentation PP stated that this is a case of river sand mining on Wawanthari River. The mining shall be done as per the approved mine plan by concerned DGMs. After presentation the committee asked to submit following details:

1. Revised plantation species as suggested by committee.
2. Revised EMP.
3. Revised CER as suggested by committee.

PP has submitted the response of above queries same date vide letter dated 04.07.2020, which was placed before the committee. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 95,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 42.82 Lakh as capital and Rs 9.0 Lakh/year as recurring and under CER Rs. 2.50 Lakh per annum is proposed.

4. Case No 7283/2020 Shri Rajesh Pathak, Ward No. 15, Baihar Road, District Balaghat (MP)-481331. Prior Environment Clearance for approval of Sand Quarry in an area of 4.75 ha. (60,622.7 cum per annum) (Khasra No. 443/1, 443/2 part) at Village- Bonkatta, Tehsil- Tirodi, District- Balaghat (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 443/1, 443/2 part) at Village- Bonkatta, Tehsil- Tirodi, District- Balaghat (MP) 4.75 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. 209 dated 06/2/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Road Bridge on State highway	100	East	Setback of 500m downstream and 250m upstream shall be maintained in lease from bridge as per Enforcement & Monitoring Guidelines for Sand Mining, 2020.

A Road Bridge is exists at a distance of approximately 100m towards Eastern side of lease, committee asked PP shall submit Revised Production Plan leaving setback in lease from bridge as per Enforcement & Monitoring Guidelines for Sand Mining, 2020. PP further stated that this is a case of river sand mining on Wawanthari River. The mining shall be done as per the approved mine plan by concerned DGMs. After presentation the committee asked to submit following details:

1. Revised surface map showing setback of 500m downstream and 250m upstream in lease from bridge as per Enforcement & Monitoring Guidelines for Sand Mining, 2020.

2. Revised plantation species as suggested by committee.
3. Revised EMP.
4. Revised CER as suggested by committee.

PP has submitted the response of above queries same date vide letter dated 04.07.2020, which was placed before the committee. Committee observed that as per revised production plan submitted by PP, after deducting blocked area due to Road Bridge, 2.60 ha area is available and with the sanctioned depth of 1.90 meters as per approved mine plan, only 49,400 cum of sand can be evacuated. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 49,400 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 35.40 Lakh as capital and Rs 7.51 Lakh/year as recurring and under CER Rs. 1.75 Lakh per annum is proposed.

5. Case No 7284/2020 Shri Rajesh Pathak, Ward No. 15, Baihar Road, District Balaghat (MP)-481331. Prior Environment Clearance for approval of Sand Quarry in an area of 4.950 ha. (70,537.5 cum per annum) (Khasra No. 457/1 part) at Village- Bhourgarh, Tehsil- Khairlanji, District- Balaghat (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 457/1 part) at Village- Bhourgarh, Tehsil- Khairlanji, District- Balaghat (MP) 4.950 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 310 dated 20/2/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Natural stream Joining the lease.	>100	West	-

PP further stated that this is a case of river sand mining on Wawanthari River. The sanctioned depth of the sand mining is 1.50 meters as per mining plan. After presentation the committee asked to submit following details:

1. Revised plantation species as suggested by committee.
2. Revised EMP.
3. Revised CER as suggested by committee.

PP has submitted the response of above queries same date vide letter dated 04.07.2020, which was placed before the committee. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 70,537.50 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 49.25 Lakh as capital and Rs 9.67 Lakh/year as recurring and under CER Rs. 2.00 Lakh per annum is proposed.

6. Case No 7290/2020 Shri Virendra Singh Jadoun, E-7/M-708, Arera Colony, Dist. Bhopal, MP – 462016 Prior Environment Clearance for approval of Sand Quarry in an area of 5.00 ha. (1,500 cum per annum) (Khasra No. 406) at Village- Rampura, Tehsil- Kukshi, District- Dhar (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 406) at Village- Rampura, Tehsil- Kukshi, District- Dhar (MP) 5.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 1057 dated 27/5/2020 has

reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Natural Stream	Crossing the lease	-	Revised Production Plan

A natural stream crossing the lease, committee asked PP shall submit Revised Production Plan leaving non-mining area from both the sides of natural stream in lease. PP stated that this is a case of river sand mining on Wagh River (Tributary of Uri – Wagh River). The sanctioned depth of the sand mining is 1.00 meters as per mining plan. After presentation the committee asked to submit following details:

1. Revised Production Plan leaving non-mining area from both side of natural stream crossing the lease.
2. Revised CER.

PP has submitted the response of above queries same date vide letter dated 04.07.2020, which was placed before the committee. Committee observed that area occupied by stream was considered as non mining area at the time of approval of mine plan and thus sanctioned quantity of 1500 cum/year can be evacuated. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 1,500 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 7.65 Lakh as capital and Rs 4.91 Lakh/year as recurring and under CER Rs. 01.60 Lakh per annum is proposed.

7. Case No 7291/2020 Shri Virendra Singh Jadoun, E-7/M-708, Arera Colony, Dist. Bhopal, MP – 462016 Prior Environment Clearance for approval of Sand Quarry in an area of 5.00 ha. (2,000 cum per annum) (Khasra No. 279) at Village- Beganda, Tehsil- Dharampuri, District- Dhar (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 279) at Village- Beganda, Tehsil- Dharampuri, District- Dhar (MP) 5.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 1043 dated 27/5/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Road Bridge	In between the lease	-	Setback in lease from bridge as per Enforcement & Monitoring Guidelines for Sand Mining, 2020.

A Road Bridge exists in between the lease, committee asked PP shall submit Revised Production Plan leaving setback from bridge as per Enforcement & Monitoring Guidelines for Sand Mining, 2020. PP further stated that this is a case of river sand mining on Karam River. The sanctioned depth of the sand mining is 1.00 meters as per mining plan. After presentation the committee asked to submit following details:

1. Revised surface map showing setback of 500m downstream and 250m upstream in lease from bridge as per Enforcement & Monitoring Guidelines 2020 for Sand Mining.
2. Revised CER.

PP has submitted the response of above queries same date vide letter dated 04.07.2020, which was placed before the committee. Committee observed that as per the revised plan submitted by PP, even after deducting the volume of sand in the setback from Road Bridge, the sanctioned volume of sand can be evacuated from the available area as per the revised plan submitted by PP. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 2,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 7.22 Lakh as capital and Rs 4.83 Lakh/year as recurring and under CER Rs. 01.60 Lakh per annum is proposed.

8. Case No 7292/2020 Shri Virendra Singh Jadoun, E-7/M-708, Arera Colony, Dist. Bhopal, MP - 462016 Prior Environment Clearance for approval of Sand Quarry in an area of 5.00 ha. (2,500 cum per annum) (Khasra No. 344) at Village- Dahiwar, Tehsil- Dharampuri, District- Dhar (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 344) at Village- Dahiwar, Tehsil- Dharampuri, District- Dhar (MP) 5.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 1042 dated 27/5/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during presentation PP stated that this is a case of river sand mining on Karam River. Manual opencast mining method shall be adopted for this sand mining. The sanctioned depth of the sand mining is 1.00 meters as per mining plan. The mining shall be done as per the approved mine plan by concerned DGMs. After presentation the committee asked to submit following details:

- Revised CER.

PP has submitted the response of above queries same date vide letter dated 04.07.2020, which was placed before the committee. The mining shall be done as per the approved mine plan by

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

1. Production of Sand as per mine plan with quantity not exceeding 2,500 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 7.87 Lakh as capital and Rs 4.83 Lakh/year as recurring and under CER Rs. 02.00 Lakh per annum is proposed.

9. Case No 7293/2020 Shri Virendra Singh Jadoun, E-7/M-708, Arera Colony, Dist. Bhopal, MP – 462016 Prior Environment Clearance for approval of Sand Quarry in an area of 5.00 ha. (1,000 cum per annum) (Khasra No. 58) at Village- Dhulsar, Tehsil- Kushi, District- Dhar (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 58) at Village- Dhulsar, Tehsil- Kushi, District- Dhar (MP) 5.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 1067 dated 27/5/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Stop dam	Downstream 250 meters.	East	--

A Stop dam exists towards Eastern side of lease, for which PP submitted that the stop dam is 250 meters away from the lease. PP further stated that this is a case of river sand mining on Uri River. The sanctioned depth of the sand mining is 1.00 meters as per mining plan. After presentation the committee asked to submit following details:

1. Revised CER.

PP has submitted the response of above queries same date vide letter dated 04.07.2020, which was placed before the committee. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 1,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 7.01 Lakh as capital and Rs 4.78 Lakh/year as recurring and under CER Rs. 01.20 Lakh per annum is proposed.

10. Case No. - 5906/2019 M/s Global Developers, 505, Shalimar Morya Park, Lokhandawala Complex, Andheri (W), Dist. Mumbai, (Mah.) – 400053. Prior Environment Clearance for Construction of Residential Project "Shalimar Palms" (Total Project Area = 42,817.08 sqm., Built-up Area = 49,419.83 sqm) at Khasra no. -631/1, 631/2, 631/3 & 632, Village - Piplyahana, Tehsil - Indore & Dist. -Indore, (M.P.). For - Building Construction Project. Env. Con. –M/s. ENV Developmental Assistance Systems Pvt. Ltd, Lucknow, U.P.

This is case of Prior Environment Clearance for Construction of Residential Project "Shalimar Palms" (Total Project Area = 42,817.08 sqm., Built-up Area = 49,419.83 sqm) at Khasra no. - 631/1/1, 631/2, 631/3 & 632, Village - Piplyahana, Tehsil - Indore & Dist. -Indore, (M.P.). Cat. - 8(a) Building and Construction Projects.

The case was presented by the PP and their consultant in the 354 SEAC meeting dated 28-03-19 wherein following submissions were made by the PP:

The proposed Residential Project “Shalimar Palms” is located at Khasra No. 31/1, 631/2, 631/3 & 632 Gram Piplyahana, Indore, Madhya Pradesh. The net planning area of the proposed project is 40579.31 m² (10.2 acres) and proposed Built up area is 49,419.83 m². The land use of the project is residential as per Master Plan 2021 of Indore Development Authority. The site has already been in possession of the project proponent. It is anticipated that the construction activities of the proposed project would not have an adverse effect on the land use.

PP submitted that in the light of notification issued by MoEF & CC dtd 14.03.2017, which provides the guidelines to deal with violation cases at EAC, MoEF & CC, New Delhi, we had submitted the application under violation category for the grant of Environment Clearance at EAC, MoEF & CC. Now we are again applying in State Expert Appraisal Committee as per notification dated 8 March 2018 in which it has been directed that all “Category B” project will be appraised at SEAC.

Construction Status:

The proposed project is residential, which have 492 flats, 72 row houses and club house. All the row houses/ bungalows and the group housing have been completed as per the layout plan except the following:

Particular	Area (Sq. Mtrs)		Area Not Constructed (Sq. Mtrs)
Total FAR proposed	49,419.83		
Building Type E Proposed 3 building Constructed 2		5911.98	1970.64
Terrace		2243.62	2243.62
FAR Utilized	45,205.57		

During presentation it was also observed that from the given co-ordinates that the distance of this project site from the Ralamandal Wildlife Sanctuary is <10 km for which committee asked PP to apply for the NBWL Clearance and submit the copy of this application for further consideration of this project as per OM No. J-11013/41/2006-IA.II (I) Dated 02/12/2009.

PP has submitted the copy of online NBWL application submitted for WL Clearance with proposal no. FP/MP/Others/4036/2019 and date of submission 28/03/2019.

Hence committee recommended issuing additional TOR in the 354th SEAC meeting dated 28-03-19, as per notification dated 08th March 2018 along with standard TOR prescribed by the MoEF&CC for conducting the EIA . Accordingly, SEAC issued the TOR to the PP vide no. 174 dated 24.04.2019.

PP has submitted the EIA report vide letter dated 27.05.2020 which was forwarded through SEIAA vide letter no. 1302 dated 25/06/2020, which was placed before the committee.

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

About The Project

- **Residential Project “Shalimar Palms”** at Khasra No. 631/1,631/2,631/3&632 Gram Piplyahana, Indore, Madhya Pradesh falls under Building and Construction project (Category 8a) of EIA notification 2006 as amended till date.
- **Regulatory Framework**
As per the EIA Notification dated September 14th, 2006, the project falls in Project / Activity 8 (a) of the Schedule attached to the EIA Notification 2006 as amended till date. Therefore the project requires Environmental Clearance.

Chronology of the project:

- The project is located at Khasra No. 631/1,631/2,631/3&632 Gram Piplyahana, Indore, Madhya Pradesh.
- The building plans were sanctioned in December 2005. The construction was started in 2005-06 and the construction had already come up to plinth level, way back in 2006 itself, which was prior to the Notification of 14.09.2006; The EIA Notification 14.09.2006 in its opening paragraph itself had clearly stated that only new projects after date of publication would need such ‘Environmental Clearance’
- We applied for ‘Consent to Establish’ on 22.08.2006 by payment of fees of Rs. 1, 20,000/-. We got the consent on 18.09.2007.
- In the light of notification issued by MoEF& CC dtd 14.03.2017, which provides the guidelines to deal with violation cases at EAC, MoEF& CC, New Delhi, we had submitted the application under violation category for the grant of Environment Clearance at EAC, MoEF& CC.
- As per notification dated 8 March 2018 in which it has been directed that all “Category B” project will be appraised at SEAC, now we have again applied in State Expert Appraisal Committee.
- Baseline Environmental Monitoring has been done for the period of December 2017 to February 2018 and subsequently one month validation monitoring has been done from December 2018 to January 2019.
- Hardcopy for ToR was submitted on 14th February 2019 and the presentation for ToR was made on 28th March 2019 in 354th SEAC meeting.
- ToR was issued vide letter no.174/PS-MS/MPPCB/SEAC/TOR(354)/2019 dated 24/04/2019.
- As this is a building and construction project and in the normal course, does not require EIA study. But, in view of the above notification of MoEF& CC for violation project Terms of Reference have been received from MOEF& CC. Hence EIA report has been prepared along with EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.

Current Construction Status

- 528 Units have been developed + 24 units of G+5 and 36 bungalows to be developed =588 units.
- 43,343.67sqm (82.22 % of the total built up area) built up area is already constructed.
- 528 units are fully occupied (excluding the 36 bungalows and the G+5).

The EIA was presented by the PP and their consultant, wherein it was observed by the committee that PP has proposed Rs. 15,95,500 as cost of remediation and natural community resource augmentation plan. Following is the remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation:

S. No	Environmental Factors/Attributes	Remedial Plan/Augmentation Plan	Remedial Cost (in INR)		Environmental Management Plan	EMP Cost (in INR)/year		Remark
			Capital Cost	Recurring Cost		Capital Cost	Recurring Cost	
1	Land use as per approved Master plan by T&CP, Bhopal							
	Construction Phase	No Violation			--	--	--	Land use of the project site was Residential as per Indore Master Plan 2021 attached as Annexure I
	Operation Phase	No Violation			--	--	--	
2	Environmental Sensitive places, land acquisition status, resettlement & rehabilitation (R&R)							
	Construction Phase	No Violation			--	--	--	Project involves no R&R issues. Land has been purchased from land owners. Registry documents are given in Annexure II
	Operation Phase	No Violation			--	--	--	
	Baseline Environment Monitoring							

3	Construction Phase	For monitoring of air, water, soil & noise every six month for period of 2 years 1. Water: 4 GW sample @ 5000/sample 2. Air: 4 Sample @ 5000/sample, DG 2 sample @ 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set 2 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample	NA	2,68,000	For monitoring of air, water, soil & noise every six month 1. Water: 4 GW sample @ 5000/sample 2. Air: 4 Sample @ 5000/sample, DG 2 sample @ 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set 2 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample	NA		No environment monitoring was done at site on initial starting of the project since the project began in 2006. This remediation plan is of 5 years
	Operation Phase	For monitoring of air, water, soil & noise every six month for period of 5 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 @	NA	3,20,000	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, DG set 1 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample	NA	1,50,000	

		4000/sample						
	Air Environment							
		Water sprinkling	No Violation	No Violation	--	--	--	RMC WAS USED WHILE CONSTRUCTING
		Water pipeline-500m @ Rs 100/m	50,000		--	--	--	RMC WAS USED WHILE CONSTRUCTING
		100 Water Tanks of 7500 litre @ Rs. 1000 each.	1,00,000		--	--	--	RMC WAS USED WHILE CONSTRUCTING
		Container for Storage of raw material	No Violation	No Violation	--	--	--	RMC WAS USED WHILE CONSTRUCTING
4	Construction Phase	Barricading of construction area	50,000	Site boundary constructed	--	--	--	Project barricading was constructed in start of Construction of project, but no proof is available. Therefore cost has been included in the remediation cost.

		100 Face mask @ Rs 100	10,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		Vehicle Inspection @ 15,000/year for 4years		60,000	--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Operation Phase	Maintenance of 4 no. of DG set/year through AMC for 8years @ 25,000/year				--	25,000	Maintenance of 4 no. of DG set/year through AMC @ 25,000/year
5	Waste Environment							
	Construction Phase	150 Dustbin @ Rs 200/each	30,000		--	2,00,000	--	Proof is not available, therefore cost is taken in Remediation Cost
		Safety tapes for barricading the waste	10,000		--	--	--	
		Agency fee for collection & disposal Solid waste for 4 years @ Rs. 1000/month		48,000	--	--	--	
	Operation Phase	15 Dustbin @ Rs 300/each	4,500		Agency fee for collection & disposal Solid waste @ Rs. 100/month	5,00,000		
		Agency fee for collection & disposal Municipal Solid waste		15,000		--	12,000	

		STP sludge disposal	No Violation	No Violation	STP sludge disposal	Will be used as manure	--	Sludge is being used for landscaping purpose.
6	Water Environment							
	Construction Phase	Ground water abstraction	As there was no GW was abstracted because RMC was used. For curing other purpose water tanker was used	2,50,000	NA	NA	NA	Since bills of water tanker are not available. Remediation cost has been added @ 1,25,000 /year. The total remediation cost for 2 year plan is 2,50,000/-
		Construction of Toilets	No Violation	No Violation	NA	NA	NA	Toilet will be constructed in the future. Since no household of labors because labor is local & have their own households.
		Toilet maintenance and cleaning for 2 years @ 1000/month	No Violation	No Violation	NA	NA	NA	Toilet will be constructed in the future. Since no household of labors because labor is local & have their own household

							s.
	STP installation of 300 KLD	No Violation	No Violation	NA	80,00,000		STP is constructed and STP handover certificate is attached as Annexure III
	Construction of 2 RWH	No Violation	No Violation	NA	4,00,000	NA	2 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 Water tankers. Receipt attached as Annexure-IV
	STP operation and maintenance will be done @ Rs 5,000/month for 5years	No Violation	No Violation	STP operation and maintenance @ Rs 5,000/month	NA	60,000	STP is fully functional. STP handover certificate is attached as Annexure III
	Maintenance and cleaning of RWH system	No Violation	No Violation	Maintenance and cleaning of RWH system @ Rs 50,000/twice in a year	NA	1,00,000	
	Cleaning and maintenance of water network	No Violation	No Violation	Cleaning and maintenance of water network @ Rs 50,000/twice in a year	NA	1,00,000	

7	Occupational Health and Safety of construction worker							Proof is not available, therefore cost is taken in Remediation Cost
	Construction Phase	First aid kit at site	50,000		--	--	--	
		Health checkup for labor twice in a year for 50 LABOR @ 1000/ labor		50,000	--	--	--	
	Operation Phase	--			--	--	--	
8	Ecology Environment							
	Construction Phase	Cutting of Trees	No violation	No Violation	--	--	--	No tree was felled. No tree was present on the land.
		Development of Green Area	No violation	No Violation		10,00,000	-	Green area will be developed in the project site. Plantation photos attached as Annexure V.
	Operation Phase	Maintenance of green area for 1 years after plantation	No violation	No Violation	Maintenance of green area for @ 2,40,000/annum	--	2,40,000	Gardner is allocated for maintenance of landscape.
9	Soil Environment							
	Construction Phase	Disposal of excavated soil (25,000 cu mt, out of this 90% for backfilling & refilling = 22,500 cu m). Rest 2,500 cu mt in plantation	No violation		NA	NA		Entire top soil was used in garden and back filling of plinth area.

	Operation Phase	--	-	-	--	--	--	Entire top soil was used in garden and back filling of plinth area.
10	Noise Environment							
	Construction Phase	Site barricading	No Violation	50,000	--	--	50,000	Proof is not available, therefore cost is taken in Remediation Cost
		Ear plugs for labour@ Rs 100/pcs (1000 pcs)	1,00,000			--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Operation Phase	Replacement of Vibration pads of DG set (once in five years)	No Violation	50,000	Replacement of Vibration pads of DG set	50,000		Proof is not available, therefore cost is taken in Remediation Cost
11	Energy Conservation							
	Construction Phase	--			--	--	--	
	Operation Phase	Installation of LED	No Violation		--	--	3,00,000	Pictures Attached as Annexure VI
		Solar Panel						Pictures Attached as Annexure

								VI
12	Transportation of Trucks							
	Construction Phase	Tarpaulin covers for trucks		50,000	--	--	--	Proof is not available. Thus 50,000 is used in remediation cost.
	Operation	--			--	--	--	
13	Disaster Management Plan							
	Construction Phase	Earthquake resistant structure	No Violation	No Violation	--	--	--	Already included in cost of project
		Fire fighting system	No Violation	No Violation				Fire NOC is obtained which is attached as Annexure VII
	Operation Phase	Quarterly training@ 2,000/training for 5 years		30,000	Quarterly training@ 2,000/training		6,000	Cost is taken under remediation
	Total Cost		4,04,500	11,91,000		1,01,50,000	10,43,000	
		Remediation Cost	15,95,500		Cost of EMP	1,11,93,000		

Expenditure of Proposed Remediation Cost:

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

Activity	Remark	Total (INR)	First Year (INR)	Second Year (INR)
1. Environmental Management				
Rain Water Harvesting Pits		2,00,000	1,00,000	1,00,000
Dual Plumbing		4,20,500	4,20,500	
Installation of organic composter		5,00,000	5,00,000	
2. Community Resource Development				

Help of Municipal Authority for maintenance of already developed Park in nearby areas		1,00,000	1,00,000	
3. Natural Resources Augmentation				
Solar street light /LED in nearby road side	15 @ Rs 25,000/ pieces	3,75,000	2,00,000	1,75,000
Total Remediation Cost (1+2+3)		15,95,500	13,20,500	2,75,000

Thus as above, PP has proposed Rs. 1,27,88,500.00 (Rs. 15,95,500.00 as Remediation Cost and Rs. 1,11,93,000 .00 as EMP) for this project and PP, M/s Global Developers, 505, Shalimar Morya Park, Lokhandawala Complex, Andheri (W), Dist. Mumbai, (Mah.) – 400053. – has proposed to submit bank guarantee of INR Rs. 15,95,500.00 towards Remediation Plan.

Committee after considering the reply recommends that PP may be asked to deposit the bank gurantee (BG) with three years validity of Rs. 15,95,500.00 (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 Construction of Residential Project "Shalimar Palms" (Total Project Area = 42,817.08 sqm., Built-up Area = 49,419.83 sqm) at Khasra no. -631/1, 631/2, 631/3 & 632, Village - Piplyahana, Tehsil - Indore & Dist. -Indore, (M.P.). For - Building Constuction Project Category: 8(a), subject to the following special conditions and submission of bank guarantee (BG) with 03 years validity of Rs. **15,95,500.00** Lakhs (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board , with following additional conditions:

Statutory Compliance

- 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.
- The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.

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

II. Air Quality Monitoring and preservation

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF& CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. Diesel power generating sets (4 X 45 KVA) proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.

- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from DG set (4 X 45 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 275 KLD out of which 189 KLD is fresh water requirement and 56 KLD will be the total treated water generated. 65 KLD treated water will be used for flushing and, while 21 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, 02 recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits about 390 m³/hr . Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xiv. All recharge should be limited to shallow aquifer.
- xv. No ground water shall be used during construction phase of the project.
- xvi. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xvii. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The recorded shall be submitted to the Regional Office, MoEF& CC along with six monthly Monitoring report.
- xviii. Sewage shall be treated in the STP based on MBBR based technology (Capacity - 300 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.
- xix. During operation phase total 238 KLD waste water will be generated from the project which will be treated up to primary level by installing coarse and fine screen, evaporation tank, O&G removal grit chamber and primary settling tank.

- xx. The waste water generated from the project shall be treated in STP of 300 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 for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

VI. Waste Management

- i. Total waste 1393 Kg/day, this consist all types of wastes , horticulture waste 15.0 Kg/day, E- waste about 1.0 Kg/Annum , and these all type of waste shall be treated/ disposed off as per provision made in the MSW Rules 2016.
- ii.
- iii. 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.
- iv. 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.
- v. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste 1.55 ton/day) shall be segregated into wet garbage and inert materials.
- vi. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vii. 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.
- viii. 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.
- ix. 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.
- x. Any wastes from construction and demolition activities related thereto small be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- xi. 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 Green area in Project- 5202 Sq.m. (12.15 % of Total Land Area)
- 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. 6896sq meters of area shall be provided for green belt development as per the details provided in the project document.
- v. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stock piled appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.
- vi. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.

VIII Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points
 - d. Parking norms as per local regulation
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Parking's arrangement for 179 ECS shall be provided as proposed by PP.
- 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 is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

IX. Human health issues

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

X. Corporation Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated: 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The Environmental policy should prescribe for standard operating procedures to have proper checks and balance and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the Environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six monthly reports.
- iii. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. **PP M/s. M/s Global Developers**, 505, Shalimar Morya Park, Lokhandawala Complex, Andheri (W), Dist. Mumbai, (Mah.) – 400053 has proposed Rs. 1,27,88,500.00 (Rs. 15,95,500.00 as Remediation Cost and Rs. 1,11,93,000 .00 as EMP) for this project.

- vi. The PP **M/s. M/s Global Developers**, 505, Shalimar Morya Park, Lokhandawala Complex, Andheri (W), Dist. Mumbai, (Mah.) – 400053. has proposed to submit bank guarantee of INR 15,95,500.00 towards Remediation Plan and Natural & Community Resource Augmentation Plan.

XI. Miscellaneous

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

11. Case No 7010/2020 M/s Ultimate Builders, G-2/G-17, Kamdhenu Tower, E-2/21, Arera Colony, Bhopal, MP Prior Environment Clearance for Proposed Housing Development Project "Ultimate English Vilas" (Total Land Area = 69851.60 sqm, Net Plot Area = 64971.95 sqm Total Built up Area = 86905.23 sqm) at Village - Borda, PH No. 29, Tehsil - Huzur, Kolar Road, Dist. Bhopal , (MP).

This is case of Prior Environment Clearance for Construction of Proposed Housing Development Project "Ultimate English Vilas" (Total Land Area = 69851.60 sqm, Net Plot Area = 64971.95 sqm Total Built up Area = 86905.23 sqm) at Village - Borda, PH No. 29, Tehsil - Huzur, Kolar Road, Dist. Bhopal , (MP) Cat. - 8(a) Building and Construction Projects.

This case was presented by PP and their consultant in the 434 SEAC meeting dated 20.05.2020. Committee recommended issuing additional TOR as per notification dated 08th March 2018 along with standard TOR prescribed by the MoEF&CC for conducting the EIA . Accordingly, SEAC issued the TOR to the PP vide no. 276 dated 17.06.2020.

PP has submitted the EIA report vide letter dated 12.03.2020 which was forwarded through SEIAA vide letter no. 57 dated 06/05/2020, which was placed before the committee.

The EIA was presented by the PP and their consultant PP stated that approx.40% of construction work has already been completed at the project site in which 12 units are under possession. Presently no construction is going on at the project site.

The project time line-

- The Layout plan of project was approved on 21.09.2010 and the construction was started in 2011.
- The case was submitted to SEAC for Environment Clearance in 2015.
- The case was first appraised in 274th MPSEAC meeting dated 12th April 2016.
- It was observed that it is a case of violation which was evident from the affidavit and resolution of board of directors submitted by the PP along with application stating that approx. 40% of the project is already constructed prior to submission of the application for grant of environmental clearance.
- State Expert Appraisal Committee minutes of 274th meeting, 12th April 2016 states that it's a clear case of violation, the committee after deliberations decided to refer back this case to SEIAA for credible action as per MoEF & CC OM dated 12/12/2012.
- It was decided in the 352 SEIAA meeting dated 08-07-16 that till the final notification is issued by MoEF & CC ,the case will continue to be kept in abeyance.
- Ministry has issued notification S.O. 804 (E) dtd. 14.03.2017 providing guidelines to bring violation activities in compliance with environmental law at the earliest point of time.
- Considering the guidelines of MoEF & CC , EC application was rejected by MPSEIAA in 417th SEIAA meeting dated 20-03-17.
- The EC application was again submitted to EAC (violation) MoEF & CC on 13th September 2017 For grant of ToR.
- Again the application was sent back to MPSEIAA considering the guidelines for appraisal as mentioned in S. O. 1030 (E) dated 08.03.2018
- Project was again submitted to MPSEIAA dated 20.3.2020 for grant of ToR.
- The project was appraised in 434th SEAC meeting dated 20.05.2020.
- ToR was issued vide letter no.276/PS-MS/MPPCB/SEAC/TOR(434)/2020 on date 17/6/2020.

- Baseline Monitoring period: December 2017-February 2018(Already done)
One month validation monitoring was also done during December 2018 to January 2019 by a NABL accredited laboratory, RIMS New Delhi as per the instruction from the honorable committee.
- The case (EIA) was submitted online on 29 June 2020.
- Now the project is listed for appraisal on 04 July 2020.

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

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.
2. Revised CER add details about activity.

The EIA was presented by the PP and their consultant, wherein it was observed by the committee that PP has proposed Rs. 17,96,026.15 as cost of remediation and natural community resource augmentation plan. Following is the remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation:

S. No	Environmental Factors/Attributes	Remedial Plan/Augmentation Plan	Remedial Cost (in INR)		Environmental Management Plan	EMP Cost (in INR)/year		Remark
			Capital Cost	Recurring Cost		Capital Cost	Recurring Cost	
1	Land use as per approved Master plan by T&CP, Bhopal							
	Construction Phase	No Violation			--	--	--	Land use of the project site was Residential as per Bhopal Master Plan 2005 attached as Annexure I
	Operation Phase	No Violation			--	--	--	
2	Environmental Sensitive places, land acquisition status, resettlement & rehabilitation (R&R)							
	Construction Phase	No Violation			--	--	--	Project involves no R&R issues. Land has been

	Operation Phase	No Violation			--	--	--	purchased from land owners. Registry documents are given in Annexure II
3	Baseline Environment Monitoring	For monitoring of air, water, soil & noise every six month for period of 2 years						This remediation plan is of 5 years
	Construction Phase	1. Water: 4 GW sample @ 5000/sample 2. Air: 4 Sample @ 5000/sample, DG 2 sample @ 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set 2 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample	NA	1,34,000	For monitoring of air, water, soil & noise every six month 1. Water: 4 GW sample @ 5000/sample 2. Air: 4 Sample @ 5000/sample, DG 2 sample @ 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set 2 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample	NA		
	Operation Phase	For monitoring of air, water, soil & noise every six month for period of 4 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	1,24,000	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, DG set 1 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample	NA	1,50,000	
4	Air Environment							

Construction Phase	Water sprinkling	No Violation	No Violation	--	--	--	RMC was used while constructing
	Water pipeline- 500m @ Rs 100/m	50,000		--	--	--	RMC was used while constructing
	100 Water Tanks of 7500 litre @ Rs. 1000 each.	1,00,000		--	--	--	RMC was used while constructing
	Container for Storage of raw material	No Violation	No Violation	--	--	--	RMC was used while constructing
	Green Nets for covering building for 86,905.23 m ² area @ Rs 5/Sqm	4,34,526.15		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Barricading of construction area	50,000	Site boundary constructed	--	--	--	Project barricading was constructed in start of Construction of project, but no proof is available. Therefore cost has been included in the remediation cost.
	100 Face mask @ Rs 100	10,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost

STATE EXPERT APPRAISAL COMMITTEE MINUTES OF 445th MEETING

04th July 2020

		Vehicle Inspection @ 15,000/year for 2years		30,000	--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Operation Phase	Maintenance of 1no. of DG set/year through AMC for 4years @ 25,000/year		1,00,000		--	25,000	Maintenance of 1 no. of DG set/year through AMC @ 25,000/year
5	Waste Environment							
	Construction Phase	150 Dustbin @ Rs 200/each	30,000		--	2,00,000	--	Proof is not available, therefore cost is taken in Remediation Cost
		Safety tapes for barricading the waste	10,000		--	--	--	
		Agency fee for collection & disposal Solid waste for 2 years @ Rs. 1000/month		24,000	--	--	--	
	Operation Phase	15 Dustbin @ Rs 300/each	4,500		Agency fee for collection & disposal Solid waste @ Rs. 100/month	5,00,000		
		Agency fee for collection & disposal Municipal Solid waste		15,000		--	12,000	
		STP sludge disposal	No Violation	No Violation	STP sludge disposal	Will be used as manure	--	
	Sludge will be used for landscaping purpose.							
6	Water Environment							
	Construction Phase	Ground water abstraction	As there was no GW was abstracted because RMC was used. For curing other	2,50,000	NA	NA	NA	Since bills of water tanker are not available. Remediation cost has been added @ 1,25,000

		purpose water tanker was used					/year. The total remediatio n cost for 2 year plan is 2,50,000/-
	Construction of Toilets	No Violation	No Violation	NA	NA	NA	Toilet will be constructed in the future. Since no household of labors because labor is local & have their own households .
	Toilet maintenance and cleaning for 2 years @ 1000/month	No Violation	No Violation	NA	NA	NA	Toilet will be constructed in the future. Since no household of labors because labor is local & have their own households .
	STP installation of 450 KLD	No Violation	No Violation	NA	80,00,000		STP of 325 KLD is already installed,(Photograp hs attached)
	Construction of 4 RWH	No Violation	No Violation	NA	4,00,000	NA	RWH pits will be constructed
Operation Phase	Abstraction of Ground water	No Violation	No Violation	NA	NA	NA	Water is being supplied through Municipal Supply. NOC is attached.
	STP operation and maintenance will be done @ Rs 5,000/month for 4years	No Violation	No Violation	STP operation and maintenance @ Rs 5,000/month	NA	60,000	STP of 325 KLD Capacity has been completed and pictures &

								completion certificate has been obtained.
		Maintenance and cleaning of RWH system	No Violation	No Violation	Maintenance and cleaning of RWH system @ Rs 50,000/twice in a year	NA	1,00,000	
		Cleaning and maintenance of water network	No Violation	No Violation	Cleaning and maintenance of water network @ Rs 50,000/twice in a year	NA	1,00,000	
7	Occupational Health and Safety of construction worker							
	Construction Phase	First aid kit at site	50,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		PPE for labor	50,000		--	--	--	
		Health checkup for labor twice in a year for 50 LABOR @ 1000/ labor		50,000	--	--	--	
	Operation Phase	--			--	--	--	
8	Ecology Environment							
	Construction Phase	Cutting of Trees	No violation	No Violation	--	--	--	No tree was felled. No tree was present on the land.
		Development of Green Area	No violation	No Violation		10,00,000	-	Green area will be developed in the project site. Plantation photos attached as Annexure V.
	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							

STATE EXPERT APPRAISAL COMMITTEE MINUTES OF 445th MEETING

04th July 2020

	Construction Phase	Disposal of excavated soil (19,500 cu mt, out of this 90% for backfilling & refilling = 17,550 cu m). Rest 1,950cu mt in plantation	No violation		NA	NA		Entire top soil was used in garden and back filling of plinth area.
	Operation Phase	--	-	-	--	--	--	Entire top soil was used in garden and back filling of plinth area.
10	Noise Environment							
	Construction Phase	Site barricading	No Violation	50,000	--	--	50,000	Proof is not available, therefore cost is taken in Remediation Cost
		Ear plugs for labour@ Rs 100/pcs (1000 pcs)	1,00,000			--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Operation Phase	Replacement of Vibration pads of DG set (once in four years)	No Violation	50,000	Replacement of Vibration pads of DG set	50,000		Proof is not available, therefore cost is taken in Remediation Cost
11	Energy Conservation							
	Construction Phase	--			--	--	--	
	Operation Phase	Installation of LED	No Violation		--	--	3,00,000	Pictures Attached as Annexure VI
		Solar Panel						Pictures Attached as Annexure VI

12	Transportation of Trucks							
	Construction Phase	Tarpaulin covers for trucks		50,000	--	--	--	Proof is not available. Thus 50,000 is used in remediation cost.
	Operation	--			--	--	--	
13	Disaster Management Plan							
	Construction Phase	Earthquake resistant structure	No Violation	No Violation	--	--	--	Already included in cost of project
		Fire fighting system	No Violation	No Violation				
	Operation Phase	Quarterly training@ 2,000/training for 4 years		30,000	Quarterly training@ 2,000/training		6,000	Cost is taken under remediation
	Total Cost		8,89,026.15	9,07,000		1,01,50,000	10,43,000	
		Remediation Cost	17,96,026.15		Cost of EMP	1,11,93,000		

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	4,00,000	2,00,000	1,00,000	1,00,000
2. Community Resource Development					
Development of Parks in City Area through concerned Government Agency.		4,00,000	2,00,000	1,00,000	1,00,000

Development of School		2,46,026.15	2,46,026.15	-	-
3. Natural Resources Augmentation					
Solar street light /LED in nearby road side	30@ Rs 25,000/ pieces	7,50,000	4,50,000	1,50,000	1,50,000
Total Remediation Cost (1+2+3)		17,96,026.15	10,96,026.15	3,50,000	3,50,000

Thus as above, PP has proposed Rs. 12,98,9026.15 (Rs. 17,96,026.15 as Remediation Cost and Rs. 1,11,93,000 as EMP) for this project and PP, M/s Ultimate Builders, G-2/G-17, Kamdhenu Tower, E-2/21, Arera Colony, Bhopal, MP has proposed to submit bank guarantee of INR Rs. 17,96,026.15 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. 17,96,026.15 (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 grant of Prior Environment Clearance for Proposed Housing Development Project "Ultimate English Vilas" (Total Land Area = 69851.60 sqm, Net Plot Area = 64971.95 sqm Total Built up Area = 86905.23 sqm) at Village - Borda, PH No. 29, Tehsil - Huzur, Kolar Road, Dist. Bhopal , (MP). Category: 8(a) Building & Construction Project, subject to the following special conditions and submission of bank guarantee (BG) with 03 years validity of Rs. **17,96,026.15** Lakhs (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board , with following additional conditions:

I. Statutory Compliance

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

- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- iii. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- iv. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v. 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.
- vi. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- vii. 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.
- viii. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix. The provisions for the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.

II. Air Quality Monitoring and preservation

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF& CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. Diesel power generating sets (1X 125 KVA) proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.

- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from DG set (1X 125 KVA) shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. The total water requirement during operation phase is 466 KLD out of which 283 KLD is fresh water requirement and 56 KLD will be the total treated water generated. 183 KLD treated water will be used for flushing and, while 39 KLD water will be used for horticulture.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be to monitor to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF& CC along with six monthly Monitoring reports.

- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total fires water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. For rainwater harvesting, 04 recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits about $486 \text{ m}^3/\text{hr}$ m^3/hr . Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xiv. All recharge should be limited to shallow aquifer.
- xv. No ground water shall be used during construction phase of the project.
- xvi. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xvii. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The

recorded shall be submitted to the Regional Office, MoEF& CC along with six monthly Monitoring report.

xviii. Sewage shall be treated in the SBR STP (Capacity- 450 KLD (325 already installed), primary clarifier with de-siltation chamber). 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.

xix. During operation phase total 385KLD waste water will be generated from the project which will be treated up to primary level by installing coarse and fine screen, evaporation tank, O&G removal grit chamber and primary settling tank.

xx. The waste water generated from the project shall be treated in STP of 450 KLD capacity (325 already installed) (based on SBR(Sequential Batch Reactor) 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 for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

VI. Waste Management

- i. Total waste 2167 Kg/day, this consist all types of wastes , horticulture waste 28.80 Kg/day, 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 2.1ton/day) shall be segregated into wet garbage and inert materials.
- v. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto small be managed so as to strictly conform to the construction and Demolition Rules, 2016.

- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

Vii. Green Cover

- i. 330 trees are proposed for plantation (already Planted: 180 trees) in area of 7796.63 Sq.m. which is about 12.0 % of total Land Area.
- xi. 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).
- ii. 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.
- iii. 6896sq meters of area shall be shall be provided for green belt development as per the details provided in the project document.
- iv. 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.
- v. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.

VIII Transport

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

- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Parking's arrangement for 179 ECS shall be provided as proposed by PP.
- iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

IX. Human health issues

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

X. Corporation Environment Responsibility

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

norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six monthly reports.

- iii. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. PP M/s Ultimate Builders, G-2/G-17, Kamdhenu Tower, E-2/21, Arera Colony, Bhopal, MP has proposed Rs. 12,98,9026.15 (Rs. 17,96,026.15 as Remediation Cost and Rs. 1,11,93,000 as EMP)) for this project.
- vi. The PP M/s Ultimate Builders, G-2/G-17, Kamdhenu Tower, E-2/21, Arera Colony, Bhopal, MP has proposed to submit bank guarantee of INR 17,96,026.15 towards Remediation Plan and Natural & Community Resource Augmentation Plan.

XI. Miscellaneous

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

12. Case No. - 5792/2018 Mr. Anurag Maheswari, Director, M/s Shri Shristi Construction Pvt. Ltd, Khasra No. 379/4, Bijalpur, opposite Phalbag, AB Road, Indore, (M.P.) – 452012. Prior Environment Clearance for Construction of Proposed "AVASA" Multi Flat Unit M/s Shri Shristi Construction Pvt. Ltd, (Total Plot Area = 20,550.0 sqm., Total Proposed Built-up Area = 40,859.04 sqm) Total no's of Villas - 334 units, at Village - Bijalpur, Tehsil - Indore & Dist. Indore, (M.P.) Category: 8(a) Building & Construction Project.

This is case of Prior Environment Clearance for Construction of Prior Environment Clearance for Construction of Proposed "AVASA" Multi Flat Unit M/s Shri Shristi Construction Pvt. Ltd, (Total Plot Area = 20,550.0 sqm., Total Proposed Built-up Area = 40,859.04 sqm) Total no's of Villas - 334 units, at Village - Bijalpur, Tehsil - Indore & Dist. Indore, (M.P.) Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

This case was scheduled in this meeting wherein PP and their consultant were present. During discussion and perusals of the documents it was observed by the committee that the It's a case of Violation. During presentation, PP submitted following salient features of the project:

Sr. No.	Particulars	Details
1	Name of the Project	Proposed "AVASA" Multi flat Unit
	Location	at Khasra No 374,375/1,375/2part,376/1 part ,376/2 ,377/1 , 377/2part, 378/2,378/3, 378/4, 379/1, 379/2, 379/3, 379/4, 379/5,379/6, 379/7,380/1/2/5, 385/P, 385/P, 385/2, 386/1,389/1, 389/2, 390/1, 390/2, 386/2, 389/1, 390/2 Village Bijalpur Taluka Indore District Indore, MP State
2	Name of the Company	M/s. SHRI SHRISTI CONSTRUCTION PVT.LTD
	Address	E-49, Saket Nagar Indore M.P.
3	Latitude and Longitude of the project	Latitude - 22°40'16.6 "N Longitude - 75°50'27.5"E
4	If a Joint venture, the names & addresses of the JV partners including their share	NA
5	Type of Building	Residential Apartments
	Project brief: nature of proposal (new/expansion,)	New (violation)
6	Total Plot Area	Total Plot Area = 20550.0 Sq.m

Sr. No.	Particulars	Details
		Area for road = 86.0 Sq.m Net Plot area = 20464.0
7	Total Ground Coverage	Ground Coverage (30% of net plot area) = 6139.5 Sq.m
8	Total Builtup Area	40859.04 sq.m
9	Cost of the project	INR 35.0 Crores
10	Road and Internal Circulations space/Paved area	Road Area and Open Area- 8049.5 Sq. m
11	Landscape	2165 sq.m (10.6%)
12	Nos. of trees	Total nos. of trees Required: 1 tree/80 sq.m = (Total Planning area – Ground coverage)/80 (20464-6139.5)/80 =179 nos. Planning =225 Plants
13	Nos. of Floor and basements	P+10
14	Parking facilities	Total No,s of Parking – car 559 nos.
15	Power Requirement and Sources	About 1544 KW power will be required for the Project and it will be sourced from State Electricity Board.
16	Power backup	Backup power supply is planned for the project through DG Set (to be placed in acoustic chamber). Capacity – 2 x 15 KVA
17	Water requirement and Sources	Total water requirement -214 KLD Source of the water is municipal water supply.
18	Solid waste Generation	Biodegradable 476.4 kg/day Non biodegradable 317.6 kg/day
19	Connectivity	Indore Railway Station –5.5 km Indore Airport - 20.0 km

After deliberation, 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 issuing additional TOR in the 338 SEAC meeting dated 02-01-2019. as per notification dated 08th March 2018 along with standard TOR prescribed by the MoEF&CC for conducting the EIA . Accordingly, SEAC issued TOR to the PP vide no. 27 dated 17.01.2019.

PP has submitted the EIA report vide letter dated nil which was forwarded through SEIAA vide letter no. 1304 dated 25/06/2020, which was placed before the committee.

The EIA was presented by the PP and their consultant with site specific details. During presentation it was observed by committee that the site is < 10 kms from Ralamandal Abhayaran for which PP submitted that they have already made application for NBWL and presented a copy of the same before the committee. Committee observed that PP has submitted the application with proposal number FP/MP/Others/5042/2020 dated 31/12/2018 for NBWL clearance. PP further stated that “Avasa” (Residential Project) is a violation project with a total built-up area of 46839.2 Sq.m in which total water requirement will be 214 KLD, RWH pits constructed 16 No.s. A 225 KLD capacity of STP is installed at the project site. Total number of 378 ECS parking is proposed at the project. After presentation, PP was asked to provide response on following:

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.
2. Revised CER add details about activity.

PP vide their letter dated 04.07.2020 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.

Sr. No.	Environmental Factors/Attributes	Remedial Plan/Augmentation Plan	Remedial Cost		Environmental Management Plan	EMP Cost		Remarks
			Capital Cost	Recurring Cost		Capital Cost	Recurring Cost (per annum)	

STATE EXPERT APPRAISAL COMMITTEE MINUTES OF 445th MEETING

04th July 2020

1	Land use as per Approved Master Plan by TNCP, Indore	Broken land is as per master plan approved by T&CP (enclosed land use, Area break-up & Undertaking as Annexure-I,II& III). NO VIOLATION	-	-	Project cost comprising land and machinery cost.	-	-	T&CP letter No. 6235/SP /281/12/ Nagrani/ 2012 dated 16/10/12
2	Environmental Sensitive Places, Land Acquisition Status, Resettlement & Rehabilitation	Land is in possession of M/s Shri Shristi Construction Pvt. Ltd. as per enclosed land record. No R&R applicable. NO VIOLATION	-	-	Total Land area 2.055 hectare is in possession of M/S Shri Shristi Construction Pvt. Ltd.	-	-	
3	Baseline Environmental Quality	All the parameters are in the comfort zone in one month baseline study Monitoring data from 2011 to		INR 4,50,000.00 Amount may be proposed for additional plantation)		-	-	We have done EIA study. All baseline data results are found satisfactory.
		2019 is pending @ INR 28000/year						ry.
4	a) Land	Land is in possession of M/s Shri Shristi Construction Pvt. Ltd No Case or complaint is due or pending. Total land area 20550 sqm, ground coverage @ 30%= 6139.50 SqM, excavated material= 21521 cum, total quantity of topsoil have been used for the development of garden area which is 2046.50 Sqm i.e. 10% of total plot area.	-	-	land is in possession of M/s Shri Shristi Construction Pvt. Ltd	-	-	No violation.

	b) Ground Water	No ground bore well is done. NO VIOLATION There are existing 3 no. of natural active wells which are properly barricaded and developed within the premises and not being used for project activities. (Under Taking annexure V)			Not applicable, till date no bore well for groundwater tapping is proposed for construction. 3 no. of natural active wells which are properly barricaded and developed within the premises.	INR 3,20,000	INR 60,000	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.
	c) Surface Water	Not applicable No water crossing and exist within the core area.			Not Applicable	-	-	No Violation
	d) Air	Water sprinkling is done as per terms & conditions of the work order agreement (3 water			Construction period= 4 years, working day= 800 day, Per day	INR 7,68,000.	-	All bills submitted in hard copy to SEAC.
		tractors/day) enclosed with bill as (Annexure-VI) & Barricading is on site done and exist, enclosed photograph as Annexure-VII)			water requirement= 12000 KLD @ 320/ tanker			
	e) Biodiversity	NOT APPLICABLE	-	-	NOT APPLICABLE	-	-	We have not created any change in the biodiversity of the area.

	f) Noise & Vibration	Site was fully barricaded (Annexure-VIII). All modern and new machinery was used on site. NO VIOLATION		-	Construction is completed now. Project is in operational phase.	INR 1,48,000.00	-	Bills submitted in hard copies.
	g) Socio economy & Health	Local peoples were preferred during construction phase	-	-		-	-	Done in EIA study.
	h). Occupational Health checkup for 200 workers	Initial Medical Examination (IME) for 200 workers deployed on site. (@1000rs/workers)		0		INR 2,00,000	-	
	h.a.) Personal Protection Equipment	Helmets, jackets, hand gloves & boots has been provided to the workers, enclosed Bill receipt as (Annexure-IX)		0		INR 1,15,395.00	-	Photographs are attached for the reference.
	h.b). Shelter and Sanitation	Temporary shelter & toilets has been provided to workers enclosed pics as (Annexure-X)		-	Shelter have been covered under remedial cost.	INR 3,56,246.00	-	
5	Contour plan with slopes, Drainage pattern of the site and surrounding area. Any	Storm water management plan, enclosed: Contour plan with slope & Drainage pattern of site as	-	-		-	-	
	obstruction of the same by the project	(Annexure-XI & XII)						
6	Tree Felling	No Tree Felling done No Violation	-	-	No tree felling is proposed.	-	-	No tree felling is done.

	Tree Plantation	Total 300 trees planted during construction. Species wise and location wise inventory enclosed as (Annexure-XIII)	INR 1,50,000 (An additional plantation will be done as suggested by the committee members.)			INR 6,87,412.	INR 1,20,546	All remedial cost will be utilized for left over plantation & further development of additional landscaping.
7	Permission for Forest Land	NOT APPLICABLE	-	-	NOT APPLICABLE	-	-	No forest area is involved in this project.
8	Environment Policy	Policy is part of Terms & Condition of mutual Agreement, enclosed Part-J as (Annexure-XIV)	-	-		-	-	
9	Ground Water Classification	As per EIA study groundwater of nearby areas found under potable category.	-	-		-	-	For operational phase water is arranged from water tankers from Nagar Palika Nigam on daily basis.
10	Source of water, Water Requirement, Use of treated waste water	Water Demand is being fulfilled by Municipal Water Supply Sewage Water is treating in 225 KLD STP and			-	INR 4500000 (STP) + 1403243 (Dial plumbing) =		We have already obtained municipal water supply permission

		Recycled and reuse for Greenbelt, Flushing purposes. dual plumbing is done and operational.				5903243.		On which is attached for reference.
11	Rain Water Harvesting	5.0 nos of rain water harvesting has been provided. NO Violation		INR 32000 (Recurring cost for the maintenance of RWH pits.)	-	INR 34,72,000	-	-
12	Soil Characteristics & Ground Water Table	Soil characteristics are as per baseline environmental data. total land area 20550 sqm, ground coverage @ 30%= 6139.50 SqM, excavated material= 21521 cum, total quantity of topsoil have been used for the development of garden area which is 2046.50 Sqm i.e. 10% of total plot area.		-		INR 563849.00	-	2.5 m depth of rain water harvesting pit, enclosed detail as (Annexure -XVIII) -
	Top Soil Conservation	Quality of top soil & costing of its disposal for reuse enclosed calculation as (Annexure-XV)		0		INR 2,30,514.00		
	Solid Waste	Construction waste has been reused in boundary wall, stone pitching & retaining walls on site enclosed calculation as (Annexure-XVI)		0		INR 1,920,957.00		

13	Generation Treatment	House Holds & Street sweeping garbage shall be collected, segregated, transferred, and treated and disposed off by Nagar Nigam, Indore (Annexure-	Organic waste compositor machine in two numbers will be installed at the project site @ 708389.16	-				MSW NOC is attached with hard copy reply.
		XVII). Separate Garbage room has been provided						
		Provision of Solar panels and LED light has been provided.		INR1,89,634 (This amount has been incurred for the maintenance point of view.)		INR 12,56,981		
		Road width has been provided as per approved plan. Parking has been provided more than requirement.	-	-	Total 550 Nos.nos of carparking has been provided. The parking will be provided as per the national Building Code (NBC) Norms.			All adequate parking facilities have been provided as per T & CP and M.P.B.V.N norms.
		Storage hall/Service Yard (Size- 35mx25m) was provided during construction phase for materials stacking		INR 7000		INR 90,000		Photographs are annexed herewith .

		First aid kit & room provided on site, enclosed photos as (Annexure-XIX). No accident or injury is reported during this 70 days working period. First Aid kit for 200 worker's safety on site.				INR 3,50,000	INR 50,000 (Annually)	Photographs are attached for reference.
		All transporting tippers were with road worthiness certificates. Enclosed RTO fitness certificate as (Annexure XX) All loading machines, dumpers & Equipment will be deployed as per safety norms mentioned in Agreement.						

Total remedial cost proposed will be: 1,50,000 + 14,09,888.16 = 15,59,888.00.

Thus as above, PP has proposed Rs. 1,99,23,471.00 (Rs. 15,59,888.00 as Remediation Cost and Rs. 1,96,92,925.00 as EMP) for this project and PP, M/s Shri Shristi Construction Pvt. Ltd, Khasra No. 379/4, Bijalpur, opposite Phalbag, AB Road, Indore, (M.P.) – has proposed to submit bank guarantee of INR Rs. 15,59,888.00 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. 15,59,888.00 (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 grant of Prior Environment Clearance for Construction of Proposed "AVASA" Multi Flat Unit M/s. Shri Shristi Construction Pvt. Ltd, (Total Plot Area = 20,550.0 sqm., Total Proposed Built-

up Area = 40,859.04 sqm) Total no's of Villas - 334 units, at Village - Bijalpur, Tehsil - Indore & Dist. Indore, (M.P.) Category: 8(a) Building & Construction Project. subject to the following special conditions and submission of bank guarantee (BG) with 03 years validity of Rs. 15,59,888.00 Lakhs (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board , with following additional conditions:

Statutory Compliance

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The Environmental Clearance shall become operational only after receiving NBWL Clearance from MoEF&CC subsequent to the recommendations of the Standing Committee of National Board Wildlife, as PP has applied for NBWL clearance.
- iii. 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.
- iv. 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.
- v. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- 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.

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. 02 nos. of Diesel power generating sets of total capacity 125 kVA & 250kVA are 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 02 DG set 125 kVA & 250kVA 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 214 KLD out of which 123 KLD is fresh water requirement and 154 KLD will be the total treated water generated. 72 KLD treated water will be used for flushing and, while 15 KLD water will be used for horticulture.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be to monitor to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total fires water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.

- xiii. For rainwater harvesting, 16 recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits about 290.25 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 STP based on MBBR based technology (Capacity - 225 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 225 KLD capacity (based on FAB 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. Waste Management

- i. Total waste 2200 Kg/day, this consist all types of wastes (as Organic waste 476.6Kg/day and non- organic waste 238.4Kg/day), Inert waste 79.4 Kg/day, E- waste 300.6 Kg/Annum , and these all type of waste shall be treated/ disposed off as per provision made in the MSW Rules 2016.

- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (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 300 trees shall be planted in the area of 2165.0 sq. mt. (10.04 % 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 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 stack plied appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

VIII Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points
 - d. Parking norms as per local regulation
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Total proposed Parking's arrangement for 378 ECS (in which 157 ECS for Silt parking, 211 ECS for Basement Parking and 11 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. 1,99,23,471.00 (Rs. 15,59,888.00 as Remediation Cost & Rs. 1,96,92,925.00 in the EMP as capital cost and Rs. 230546/- as recurring cost) . The PP M/s. Shri Shristi Construction Pvt. Ltd, Khasra No. 379/4, Bijalpur, opposite Phalbag, AB Road, Indore, (M.P.) has proposed to submit bank guarantee of INR 15,59,888.00 towards Remediation Plan /Restoration Plan.
- vi. For this project PP has proposed Rs 70.0 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.

13. Case No 6946/2020 M/s Indore Municipal Corporation, 107, 109, First Floor, Palika Plaza, Dist. Indore, MP – 452007 Prior Environment Clearance for Development of Residential Township Comprising of EWS and LIG units at Palash Parisar Phase-II (Total Plot Area = 76650.00 sqm, Total Built up Area = 109274.182 sqm) at Village - Rau and Nihalpurmundi, Tehsil - Rau, Dist. Indore, (MP).

This is case of Prior Environment Clearance for Development of Residential Township Comprising of EWS and LIG units at Palash Parisar Phase-II (Total Plot Area = 76650.00 sqm, Total Built up Area = 109274.182 sqm) at Village - Rau and Nihalpurmundi, Tehsil - Rau, Dist. Indore, (MP).

The case was scheduled for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in 442nd meeting dated 16/6/2020 & 433th SEAC meeting dated 19/05/2020. PP vide letter no. 156 dated 04/07/20 requested for withdrawal of project. Committee after discussion recommends that the case may be withdrawn on PP's request and case file may be sent to SEIAA for onward necessary action.

14. Case No 7274/2020 Smt. Kiran Pathak W/o Shri Mahendra Kumar Pathak R/o village Bamhani, Tehsil Gopadbanas, District Sidhi (MP) -486661 Prior Environment Clearance for approval of Stone Quarry in an area of 2.350 ha. (21,756 cum per annum) (Khasra No. 1387/1/1) at Village- Bamhani, Tehsil- Gopadbanas, District- Sidhi (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1387/1/1) at Village- Bamhani, Tehsil- Gopadbanas, District- Sidhi (MP) 2.350 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. 903 dated 17/3/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Tree(2no)	Within lease	-	Inventory of trees shall be submitted.

PP stated that all mining operations will be undertaken by open cast semi-mechanized method by deploying machineries and control blasting will be done with arrangement of sand bags. Two trees of Mahua are seems to be exists within lease area, for which PP submits that they will not uprooted during mining activities. After presentation the committee asked to submit following details:

- Commitment that two trees of Mahua will not be fell during mining activities.
- Revised landuse details.
- Re-assess the quantity of top soil generated.
- Revised blasting details.
- Revised Evacuation details.

- Revised EMP by removing VT and sprinkler add water tanker and proposal for grazing land.
- Revised CER incorporate awareness/ training & activities including of distribution of masks, sanitizers in the project affected villages' w.r.t. COVID-19 pandemic and development of grazing land in first year and school infrastructure/ Community hall maintenance from second year onwards.

PP has submitted the response of above queries same date vide letter dated 04.07.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone – 21,756 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 14.23 Lakh as capital and Rs. 3.84 Lakh/year as recurring. Under CER Rs. 1.20 Lakh has proposed.

15. Case No 7165/2020 M/s Kamakhya Enterprises, Near Chak Turning, Ward No. 3, Mauganj, Dist. Rewa, MP – 486331 Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (75,468 cum per annum) (Khasra No. 574/1, 574/2, 575/1, 575/2, 576/1, 576/2), Village - Sardaman, Tehsil - Hanumana, Dist. Rewa (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 574/1, 574/2, 575/1, 575/2, 576/1, 576/2), Village - Sardaman, Tehsil - Hanumana, Dist. Rewa (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. 1239 dated: 28/5/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 4.734 ha including this mine.

The case was scheduled in 442nd meeting dated 16/06/2020 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be

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

PP vide letter dated 30.06.2020 informed SEAC committee that they have changed the consultant and submitted a new file with case no. 7257/2020 and thus their case may be withdrawn. Committee based on the PP's request decided that the case may be sent to SEIAA for onward necessary action.

16. Case No 7243/2020 Shri Hirendra Singh S/o Late Shri Ramgopal Singh, Bhagwan Sheet Bhandar, Kothi Road, Dist. Rewa, MP – 486114 Prior Environment Clearance for approval of Stone Quarry in an area of 1.00 ha. (9,804 cum per annum) (Khasra No. 1651, 1652, 1653) at Village- Pahadia, Tehsil- Raipur Karchulian, District- Rewa (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1651, 1652, 1653) at Village- Pahadia, Tehsil- Raipur Karchulian, District- Rewa (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. 623 dated 20/2/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha road	20	North	-

PP further stated that all mining operations in Lease area of 1.00 ha., will be undertaken by open cast semi-mechanized method by deploying machineries and control blasting will be done with arrangement of sand bags. After presentation the committee asked to submit following details:

- Revised CER incorporate awareness/ training & activities including of distribution of masks, sanitizers in the project affected villages' w.r.t. COVID-19 pandemic and development of grazing land in first year and school infrastructure/ Community hall maintenance from second year onwards.

PP has submitted the response of above queries same date vide letter dated 04.07.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 9,804 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 5.11 Lakh as capital and Rs. 1.74 Lakh/year as recurring. Under CER Rs. 0.30 Lakh has proposed.

17. Case No 7244/2020 Shri Rajendra Yadav S/o Govind Prasad Yadav, Village - Kuiyan, Tehsil - Huzur, Dist. Rewa, MP – 486450 Prior Environment Clearance for approval of Stone Quarry in an area of 1.00 ha. (6,883 cum per annum) (Khasra No. 5, 38, 39, 40) at Village- Sakarwat, Tehsil- Huzur, District- Rewa (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 5, 38, 39, 40) at Village- Sakarwat, Tehsil- Huzur, District- Rewa (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. 1146 dated 20/5/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine total area of 1.0728 ha., including this mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachha Road	Crossing the lease	East	Commitment for right of access shall be provided.
Seasonal Nallah	350	-	Provisions for garland drain and settling tank

PP further stated that all mining operations in Lease area of 1.00 ha., will be undertaken by open cast semi-mechanized method by deploying machineries and control blasting will be done with arrangement of sand bags. After presentation the committee asked to submit following details:

- Revised plan showing access road in East side of lease.
- Revised CER incorporate awareness/ training & activities including of distribution of masks, sanitizers in the project affected villages' w.r.t. COVID-19 pandemic and development of grazing land in first year and school infrastructure/ Community hall maintenance from second year onwards.

PP has submitted the response of above queries same date vide letter dated 04.07.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 6,883 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 4.16 Lakh as capital and Rs. 1.69 Lakh/year as recurring. Under CER Rs. 0.30 Lakh has proposed.

18. Case No 7285/2020 Smt. Geeta Dubey W/o Shri J.L. Sharma r/o Mangalam Palace, post - Waidhan, District Singrauli (MP)-486886 Prior Environment Clearance for approval of Stone Quarry in an area of 4.00 ha. (90,488 cum per annum) (Khasra No. 268/10) at Village- Phulwari, Tehsil- Singrauli, District- Singrauli (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 268/10) at Village- Phulwari, Tehsil- Singrauli, District- Singrauli (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. 290 dated 13/3/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Trees	Within lease	-	Inventory of the trees.
Natural Drain	50	West	Provision of Garland drain & settling tanks.

PP further submits that method of mining will be opencast manual/semi-mechanized and ultimate depth of mining will be 6m. After presentation the committee asked to submit following details:

- Revised EMP by adding sprinkler for water spraying to as suggested by the committee during presentation.
- Revised CER incorporate awareness/ training & activities including of distribution of masks, sanitizers in the project affected villages' w.r.t. COVID-19 pandemic and development of grazing land in first year and school infrastructure/ Community hall maintenance from second year onwards.

PP has submitted the response of above quarries same date vide letter dated 04.07.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 90,488 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 9.241 Lakh as capital and Rs. 2.24 Lakh/year as recurring. Under CER Rs0.80 Lakh/ year has proposed.

19. Case No 7286/2020 M/s Alpha Minerals, Authorized Person Shri Sanjay Rajendra Hirawat, Ganj Chowk, Tehsil Katangi, District balaghat (MP)-481445 Prior Environment Clearance for approval of Dolomite Mine in an area of 3.58 ha. (7930 TPA) (Khasra No. 138/2 & 138/5) at Village- Agri, Tehsil- Kurai, District- Seoni (MP).

This is case of Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 138/2 & 138/5) at Village- Agri, Tehsil- Kurai, District- Seoni (MP) 3.58 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. 930 dated 22/12/2019 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 it was observed that mine is in operation since 1999 with CTO from MPPCB for 1500 TPA production capacity. No mining has been done since year 2015 Lease extended in 2019 and now PP has applied for EC @ 7930TPA. PP stated that 249 trees present in lease area for which PP further submits that these trees are existing in the non-mining area and they will not be uprooted during mining activity. Method of mining shall be opencast Semi-Mechanised, blasting shall be carried-out occasionally and only rock braker will be used. After presentation the committee asked to submit following details:

- Commitment from PP that no tree cutting is proposed during mining activities.
- Blasting frequency.
- Revised EMP includes PUC as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 04.07.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Dolomite 7930 TPA
2. A budgetary provision for Environmental management Plan of Rs.12.34 Lakh as capital and Rs. 6.61 Lakh/year as recurring. Under CER Rs. 02.00 Lakh has proposed.

20. Case No 7288/2020 M/s Girja trading Company, Authorized Person Shri Kameshwar Singh R/o House No. 102 B, Patel Nagar Raisen Road Bhopal (MP) Prior Environment Clearance for approval of Sand Quarry in an area of 4.00 ha. (5,000 cum per annum) (Khasra No. 239) at Village- Berad, Tehsil- Biaora, District- Rajgarh (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 239) at Village- Berad, Tehsil- Biaora, District- Rajgarh (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 588 dated 04/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining on Parbati River. During presentation as per Google image based on coordinates provided by PP, it was observed that entire lease area is submerged in water for which PP submitted that they will not excavate sand from the submerged water bed and this area will be remains as non – mining area and water stream will also not be disturbed. The sanctioned depth of the sand is 0.30 meters. After presentation the committee asked to submit following details:

1. Revised surface map showing non– mining area which is occupied by water body.
2. Revised EMP by adding budget for grazing land, caution board and life saving jackets (02) as suggested by the committee during presentation.
3. Revised CER incorporate awareness/ training & activities including of distribution of masks, sanitizers in the project affected villages' w.r.t. COVID-19 pandemic and development of grazing land in first year and school infrastructure/ Community hall maintenance from second year onwards.

PP has submitted the response of above queries same date vide letter dated 04.07.2020, which was placed before the committee. Committee observed that even after deducting the volume of sand in the submerged area, the sanctioned volume of sand can be evacuated from the available dry area as per the revised plan submitted by PP. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 5000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 9.65 Lakh as capital and Rs 3.44 Lakh as recurring and under CER Rs. 0.60 Lakh/year is proposed.

21. Case No 7294/2020 M/s Siddha Sai Stone Crusher, Partner Shri Santosh Kumar Manglani R/o Ward No. 1, Dhanpuri, District Shahdol (MP) Prior Environment Clearance for approval of Stone Quarry in an area of 4.00 ha. (50,000 cum per annum) (Khasra No. 14/1) at Village- Pakariya, Tehsil- Burhar, District- Shahdol (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 14/1) at Village- Pakariya, Tehsil- Burhar, District- Shahdol (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1712 dated 31/7/2015 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine total area of 4.80 ha., including this mine.

The case was presented by PP and their consultant, wherein during presentation and discussion it was observed that this is the case of expansion in production capacity as previously PP has obtained EC for 5,000 cum/year from SEIAA as case no. 3741/2015. Now PP applied as new case for 50,000 cum/year capacity and thus it's a case of expansion. Committee after deliberation decided that case file may be sent back to SEIAA as PP during presentation was advised to apply a fresh for expansion as per the procedure laid down in EIA Notification, 2006 with compliance of earlier EC conditions duly verified by the competent authority.

22. Case No 7295/2020 Shri Ashok Singh Yadav R/o village Kisroli, Tehsil Kailaras, District Morena (MP). Prior Environment Clearance for approval of Stone Quarry in an area of 2.50 ha. (20,000 cum per annum) (Khasra No. 863) at Village- Kisroli, Tehsil- Kailaras, District- Morena (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 863) at Village- Kisroli, Tehsil- Kailaras, District- Morena (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. 301 dated 06/3/2020 has reported that there is 01 more mine operating or proposed within 500 meters around the said mine total area of 4.50 ha., including this mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	>60	South-West	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Human settlement	>250	NE	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Kachcha Road	>100	North	-

After presentation the committee asked to submit following details:

- Revised mine Orientation.
- Revised CER incorporate awareness/ training & activities including of distribution of masks, sanitizers in the project affected villages' w.r.t. COVID-19 pandemic and development of grazing land in first year and Panchayat infrastructure/ Community hall maintenance from second year onwards.

PP has submitted the response of above quarries same date vide letter dated 04.07.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 20,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 12.81 Lakh as capital and Rs. 2.31 Lakh/year as recurring. Under CER Rs. 1.0 Lakh/ year is proposed.

23. Case No 6951/2020 Mohd. Salman Khan, Ward No. 9, Talab Muhalla, Dist. Raisen, MP - 464551 Prior Environment Clearance for Murrum Quarry in an area of 2.00 ha. (7,700 cum per annum) (Khasra No. 223, 225), Village - Parsoura, 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. 223, 225), Village - Parsoura, Tehsil - Raisen, Dist. Raisen (MP) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Mining Inspector letter dated: 10/10/2019 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 appraisal of the case it was observed that in the mining plan coordinates were not provided thus, unable to locate the lease on Google map as well as assess the sensitive features. Hence committee asked PP to submit coordinates duly verified by the competent authority.

The case was presented by PP and their consultant, wherein PP has shown the verified co-ordinates on Google Map. PP further stated that no blasting is proposed and depth restriction is up to 3 meters. After presentation the committee asked to submit following details:

- Revised plantation species.
- Revised method of mining.
- Revised EMP by replacing overhead water sprinkler to water tanker, add budget for grazing land and remove Vocational training.
- Revised CER incorporate awareness/ training & activities including of distribution of masks, sanitizers in the project affected villages' w.r.t. COVID-19 pandemic and development of grazing land in first year and school infrastructure/ Community hall maintenance from second year onwards.

PP has submitted the response of above quarries same date vide letter dated 04.07.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee

decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum 7,700 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 4.12 Lakh as capital and Rs. 2.03 Lakh/year as recurring. Under CER Rs. 0.75 Lakh is proposed.

(Dr. Anil Sharma)
Member

(Dr. Mohd. Akram Khan)
Member

(Dr. Sonal Mehta)
Member

(Dr. R. Maheshwari)
Member

(Dr. Rubina Chaudhary)
Member

(Dr. Jai Prakash Shukla)
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.

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

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

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.
 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.

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.

28. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
29. Detailed analysis of availability and quality of the drinking water resources available in the block.
30. 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.
31. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtain.