

The 348<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 01<sup>st</sup> March, 2019 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Dr. Sonal Mehta, Member.
4. Shri Prashant Srivastava, Member.
5. Dr. R. Maheshwari, Member.

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

1. **Case No. - 5720/2018 M/s Arms Real Estate Developers Pvt. Ltd, G1, Arms Majestic, 34-C, Scheme No. 78, Opposite Shalimar Township, AB Road, Indore, (M.P.) – 452010. Prior Environment Clearance for Residential High Rise Project "The Empress" (Total Plot Area = 9470 sqm, Built-up Area= 42010.04 sqm) at Village - Nipaniya, Tehsil - Indore, Distt. - Indore (M.P.) Cat. - 8(a) Building and Construction Projects. Env. Con. –EQMS India Pvt. Ltd., Delhi.**

This is case of Prior Environment Clearance for Residential High Rise Project "The Empress" (Total Plot Area = 9470 sqm, Built-up Area= 42010.04 sqm) at Village - Nipaniya, Tehsil - Indore, Distt. - Indore (M.P.) Cat. - 8(a) Building and Construction Projects.

This case was scheduled in 326<sup>th</sup> SEAC meeting dated 21/08/2018, 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.

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

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

1. Project description, its importance and the benefits.
2. Project site detail (location, toposheet of the study area of 10 Km, coordinates, Google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage.
3. Land use as per the approved Master Plan of the area, permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board etc.
4. Land acquisition status, R & R details.
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 Km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
6. Baseline environmental study for ambient air (PM10, PM2.5, SO<sub>2</sub>, NO<sub>x</sub> & CO), water (both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/CPCB guidelines at minimum 5 locations in the study area of 10 Km.
7. Details on flora and fauna and socio-economic aspects in the study area
8. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.)
9. Source of water for different identified purpose with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
10. Waste water management (treatment, reuse and disposal) for the project and also the study area
11. Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.
12. Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
13. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environmental (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
14. Preparation of EMP comprising remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.

15. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.

PP has submitted the EIA report vide letter dated 11/02/2019 which was forwarded through SEIAA vide letter no. 2341 dated 21/02/2019

The case was scheduled for the EIA 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 of SEAC.

2. **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 Constuction Project. Env. Con. – Not disclosed.**

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.

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 of SEAC.

3. **Case No. 5764/2018 Shri Virendra Singh Patel, Village Chilachond, Tehsil Narsinghpur, District Narsinghpur (MP)-487001 Prior Environment Clearance for Fireclay Mine in an area of 7.4111 ha. for production capacity of 10,485 TPA at Khasra No. 483/1 Village Chilachond, Tehsil Narsinghpur, District Narsinghpur (MP).**

This is case of Fireclay Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 483/1 Village Chilachond, Tehsil Narsinghpur, District Narsinghpur (MP) 7.4111 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information of the leases within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office vide letter no. 3171 dated: 26.10.2018 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

This case was presented by PP and their consultant in 325<sup>th</sup> SEAC meeting dated 01/12/2018 after presentation PP was asked to submit following information:

- Revised Form -1 with includes all the sensitive features around the mine in chapter-9 “Environmental Sensitivity”.
- Information of the other lease’s within 500 meters radius around the mine in the prescribed format duly verified by competent authority.

PP has submitted the Revised Form-I and information of the lease within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector’s office vide letter no. 3171 dated: 26/10/2018 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

Based on the above this case was scheduled for the presentation and discussion in 338<sup>th</sup> SEAC meeting dated 02/01/2019, wherein neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

This case was scheduled for the presentation and discussion in 340<sup>th</sup> SEAC meeting dated 30/01/2019 as PP has submitted the Revised Form-I and other necessary information which were asked in 325<sup>th</sup> SEAC meeting dated 01/12/2018, which was placed before the committee and committee after perusal of the submitted document by the PP reveals that Revised Form-I is still incomplete it is exactly same as the earlier submitted Form-I and the PP still not addressed all the sensitive features within 500 meters of the mine in Chapter-9 which is related to “Environmental Sensitivity”, committee after deliberation decided to give last chance to PP for submitting Revised Form-I incorporating all the Environmental Sensitivity for further consideration of this project.

PP vide letter dated 18/02/2019 has submitted the Revised Form-I of Chilachond clay mine based on this revised submission the case was placed before the committee. Committee after deliberations decided that being it’s a case of Fireclay Mine with an area of 7.4111 ha., and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
2. Detailed study of ground vibration and fly rocks shall be done.
3. Transportation plan & traffic management plan should be discussed in the EIA report.
4. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
5. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
6. Compliance of consent conditions duly authenticated by concerned Regional Officer, MP Pollution Control Board.
7. Year wise details of minerals already excavated till date should be submitted with EIA report.
8. Commitment of PP that no production since 2006 shall also be attached with the EIA report.
9. Level of mechanization should be discussed in the EIA report.
10. Hydro geological study should be carried out if ground water intersection is proposed.
11. Top soil management plan should be addressed in EIA report.
12. Input data of modeling should be addressed in EIA along with this all back up calculation.
13. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report and monitoring should be conducted in consultation with the regional officer of the MP Pollution Control Board.
14. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
15. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
16. Water quality of all the villages within 10 Km radius should be studied and result should be incorporated in final EIA report.
17. PP would follow environmental extend rules.

**4. Case No. - 5896/2019 Shri Sudhir Yadav S/o Shri Ram Singh Yadav, R/o Maraimaliya, Dist. Sagar, MP Prior Environment Clearance for Stone Quarry in an area of 2.00 Ha. (9,738 cum per annum) (Khasra No. 125/1), Village- Madanpura, Tehsil - Sagar, Dist. Sagar (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 125/1), Village- Madanpura, Tehsil - Sagar, Dist. Sagar (MP) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office vide letter No. 615 dated: 04/01/2018 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 recorded that as per Google image that a Kachcha road is passing from the western side of the lease which is approx. 55 meters away. For the safety of road, committee recommends that the mine shall be advanced from east side and phase shall be oriented from west to east with three row plantation. It was also observed that a natural drain is in existence towards North- Eastern side of the lease approx. 20 meters away thus garland drains and settling tanks of suitable sizes shall be provided. After presentation the committee was asked to PP to submit following information:

1. Copy of Gram Sabah NOC is to be submitted by the PP.
2. Revised CSR incorporating infrastructure development, smart classes, and vocational women training in nearby villages as suggested during presentation.
3. Revised EMP by incorporating OHS, PPE's, solid waste treatment plan, shelters for labors and fire safety precautions.
4. Revised plantation as suggested by the committee.
5. Method of mining with details of machines deployed and number of workers with them.
6. Location and dimensions of garland drain and settling tank as per the contour.

**5. Case No. - 5897/2019 M/s H.P. Corporation, 81/84, Bombay Wala House, 2nd Floor, Dhankutti, Dist. Kanpur, UP – 208001 Prior Environment Clearance for Sand Quarry in an area of 3.10 Ha. (83,531 cum per annum) (Khasra No. 474/2/5/2, 474/4), Village- Singarpur, Tehsil - Gaurihar, Dist. Chhatarpur (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 474/2/5/2, 474/4), Village- Singarpur, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 3.10 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 vide letter No. 669 dated: 04/02/2019 has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of 4.454 ha including this mine.

The case was presented by the PP and their consultant. The PP stated that this is a Khodu-Bharu type sand mine and such sand deposits are accumulated in the filled due to erosion and recurrence of flood in Ken River in the long course of time. PP further stated that, this lease was obtained under temporary permit (TP) with two years validity & the method of mining will be open cast semi mechanized. After presentation the committee asked to submit following details:

- Revised EMP with budget for First Aid, fire fighting, SWM, shelters & toilet for workers.
- Plan for solid waste management.
- CSR as suggested during presentation.
- Revised Plantation species and number as suggested.

PP vide letter dated 01/03/2019, has submitted the reply which was placed before the committee. The response of the query submitted by PP and EMS and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'C':

- Production of Sand as per mine plan with quantity not exceeding 83,531 cum/year.
- Evacuation of sand should not be allowed through the roads passing through the villages and approach road from site to the main road will be maintained by the PP.
- 3000 trees shall be planted in the barrier zone, approach road and at nearby villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- The lease area should be clearly distinguished and earmarked at the site.
- A budgetary provision for Environmental Management Plan of Rs. 20.40 Lakh per year is proposed.
- 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.
- Under CSR Rs. 3.00 Lakh/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
- Being a Temporary Permit (TP) validity of EC should be only up to the validity of TP.
- It being a case of TP, PP has to ensure the execution of closure plan.

**6. Case No. - 5874/2019 Sarpanch/Sachiv, Gram Panchayat, Village - Jigani, Tehsil - Ajaygarh, Dist. Panna, MP – 488001 Prior Environment Clearance for Sand Quarry in an area of 4.90 Ha. (1,32,300 cum per annum) (Khasra No. 1 Part), Village- Jigani, Tehsil - Ajaygarh, Dist. Panna (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1 Part), Village- Jigani, Tehsil - Ajaygarh, Dist. Panna (MP) 4.90 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office vide letter No. 201 dated: 01/02/2019 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 committee observed in the Google image (December, 2018) that some part of the lease is submerged in water and since mid stream mining is not permitted, PP shall submits revised production plan leaving submerged area as non mining area. PP submitted that they have calculated the area submerged in water as according to their calculation, 3.0756 ha of ML area out of 4.90 ha is available for sand mining & Considering the depth of 03 meters as per the approved mine plan, the possible evacuation of sand from this lease will be only 92,268 cum/year. If loss due to mining is deducted @ 10 % as per the mine plan, the volume of sand that can be evacuated will be 83, 041 cum/year. PP further stated during presentation that the method of mining will be open cast & manual. After presentation the committee asked to submit following details:

- Detailed calculation for sand estimation of 83,041 cum/year.
- Revised plantation scheme for 950 plants as suggested by committee.
- Revised CSR as suggested during presentation.
- Copy of maps as the same are not attached with mine plan.



PP has submitted the reply of above query vide letter dated 01/03/2019 which was placed before the committee and same was found to be acceptable to the committee. The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

- Production of Sand as per mine plan with quantity not exceeding 83,041 cum/year.
- Evacuation of sand should not be allowed through the roads passing through the villages and approach road from site to the main road will be maintained by the PP.
- 950 trees shall be planted in the barrier zone, approach road and at nearby villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- The lease area should be clearly distinguished and earmarked at the site.
- A budgetary provision for Environmental Management Plan of Rs. 7.03 Lakh per year is proposed.
- 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.
- Under CSR Rs. 2.25 Lakh/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.

**7. Case No. - 5875/2019 Sarpanch/Sachiv, Gram Panchayat, Village - Katarra, Tehsil - Ajaygarh, Dist. Panna, MP – 488001. Prior Environment Clearance for Sand Quarry in an area of 3.90 Ha. (40,950 cum per annum) (Khasra No. 1 Part), Village- Katarra, Tehsil - Ajaygarh, Dist. Panna (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1 Part), Village- Katarra, Tehsil - Ajaygarh, Dist. Panna (MP) 3.90 Ha. The project requires prior EC before commencement of any activity at site.

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

format duly verified in the Collector Office vide letter No. 203 dated: NIL has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. During presentation committee observed in the Google image that a bridge under construction and some part of the lease is submerged in water and since mid stream mining is not permitted, PP submitted that they have calculated the area submerged in water as according to their calculation, 2.690 ha of ML area out of 3.90 ha is available for sand mining & Considering the depth of 1.5 meters as per the approved mine plan, the possible evacuation of sand from this lease will be only 40,315 cum/year. If loss due to mining is deducted @ 10 % as per the mine plan, the volume of sand that can be evacuated will be 36,315 cum/year. PP further stated during presentation that the method of mining will be open cast & manual. After presentation the committee asked to submit following details:

- Detailed calculation for sand estimation of 36,315 cum/year.
- Revised plantation scheme for 750 plants as suggested by committee.
- Revised CSR as suggested during presentation.
- Copy of maps as the same are not attached with mine plan.

PP has submitted the reply of above query vide letter dated 01/03/2019 which was placed before the committee and same was found to be acceptable to the committee. The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

- Production of Sand as per mine plan with quantity not exceeding 36,315 cum/year.
- Evacuation of sand should not be allowed through the roads passing through the villages and approach road from site to the main road will be maintained by the PP.
- 750 trees shall be planted in the barrier zone, approach road and at nearby villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- The lease area should be clearly distinguished and earmarked at the site.
- A budgetary provision for Environmental Management Plan of Rs.7.03 Lakh per year is proposed.
- 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.

- Under CSR Rs. 2.00 Lakh/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.

**8. Case No. - 5901/2019 Sarpanch/Sachiv, Gram Panchayat, Village - Bhatgawan, Tehsil - Jaisingh, Dist. Shahdol, MP Prior Environment Clearance for Sand Mine in an area of 4.80 Ha. (72,270 cum per annum) (Khasra No. 91), Village- Bhatgawan Khurd, Tehsil - Jaisingh Nagar, Dist. Shahdol (MP).**

This is case of Sand Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 91), Village- Bhatgawan Khurd, Tehsil - Jaisingh Nagar, Dist. Shahdol (MP) 4.80 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar's vide letter No. 74 dated: 12/02/2019 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 committee observed in the Google image that some part of the lease is submerged in water. Committee further observed that the demanded volume of the sand can be evacuated from the rest dried area as the area submerged in water is considered as non mining area in mine plan. After presentation the committee asked to submit following details:

- Revised EMP for Occupational Health check- up, PPE's, First Aid, Fire fighting, shelters & toilet for workers.
- Revised plantation numbers for 500 trees as suggested during presentation.
- Revised CSR (add distribution of filters, solar lights, books and smart classes in nearby schools) as suggested during presentation.

Vide letter dated 01.03.2019, PP has submitted the desired information, which was placed before the committee. After deliberations, 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':

- Production of Sand as per mine plan with quantity not exceeding 72,270 cum/year.
- Evacuation of sand should not be allowed through the roads passing through the villages and approach road from site to the main road will be maintained by the PP.
- 500 trees shall be planted in the barrier zone, approach road and at nearby villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- The lease area should be clearly distinguished and earmarked at the site.
- A budgetary provision for Environmental Management Plan of Rs.11.505 Lakh per year (capital & recurring) is proposed.
- 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.
- Under CSR Rs. 1.84 Lakh/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.

**9. Case No. - 5902/2019 Sarpanch/Sachiv, Gram Panchayat, Village - Son Tola, Tehsil - Gohparu, Dist. Shahdol, MP Prior Environment Clearance for Sand Mine in an area of 4.80 Ha. (1,00,125 cum per annum) (Khasra No. 899/982), Village- Son Tola, Tehsil - Gohparu, Dist. Shahdol (MP).**

This is case of Sand Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 899/982), Village- Son Tola, Tehsil - Gohparu, Dist. Shahdol (MP) 4.80 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar's vide letter No. 196 dated: 31/01/2019 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 committee observed in the Google image that some part of the lease is submerged in water. Committee further observed that the demanded volume of the sand can be evacuated from the rest dried area as the area submerged in water is considered as non mining area in mine plan. After presentation the committee asked to submit following details:

- Revised EMP for Occupational Health check- up, PPE's, First Aid, Fire fighting, shelters & toilet for workers.
- Revised plantation as suggested during presentation.
- Revised CSR (add distribution of filters, solar lights, books, and smart classes in nearby schools) as suggested during presentation.

Vide letter dated 01.03.2019, PP has submitted the desired information, which was placed before the committee. After deliberations, 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':

- Production of Sand as per mine plan with quantity not exceeding 1,00,125 cum/year.
- Evacuation of sand should not be allowed through the roads passing through the villages and approach road from site to the main road will be maintained by the PP.
- 500 trees shall be planted in the barrier zone, approach road and at nearby villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- The lease area should be clearly distinguished and earmarked at the site.
- A budgetary provision for Environmental Management Plan of Rs.11.615 Lakh per year (capital & recurring) is proposed.
- 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.
- Under CSR Rs. 2.20 Lakh/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.

**10. Case No. - 5903/2019 Sarpanch/Sachiv, Gram Panchayat, Village - Boddhiha, Tehsil - Beohari, Dist. Shahdol, MP Prior Environment Clearance for Sand Mine in an area of 4.50 Ha. (71,280 cum per annum) (Khasra No. 233), Village- Boddhiha, Tehsil - Beohari, Dist. Shahdol (MP).**

This is case of Sand Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 233), Village- Boddhiha, Tehsil - Beohari, Dist. Shahdol (MP) 4.50 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar's vide letter No. 744 dated: 08/02/2019 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 committee observed in the Google image that some part of the lease is submerged in water. Committee further observed that the demanded volume of the sand can be evacuated from the rest dried ML area as the area submerged in water is considered as non mining area in mine plan. After presentation the committee asked to submit following details:

- Revised EMP for Occupational Health check- up, PPE's, First Aid, Fire fighting, shelters & toilet for workers.
- Revised plantation as suggested during presentation.
- Revised CSR (add distribution of filters, solar lights, books, and smart classes in nearby schools) as suggested during presentation.

Vide letter dated 01.03.2019, PP has submitted the desired information, which was placed before the committee. After deliberations, 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':

- Production of Sand as per mine plan with quantity not exceeding 71,280 cum/year.
- Evacuation of sand should not be allowed through the roads passing through the villages and approach road from site to the main road will be maintained by the PP.

- 500 trees shall be planted in the barrier zone, approach road and at nearby villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- The lease area should be clearly distinguished and earmarked at the site.
- A budgetary provision for Environmental Management Plan of Rs.11.615 Lakh per year (capital & recurring) is proposed.
- 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.
- Under CSR Rs. 2.20 Lakh/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.

**11. Case No. - 5886/2019 M/s Shri Krishna Construction Gawar Construction Ltd (JV), 95, Golden Avenue-III, Roorki Road, Dist. Meerut, UP – 250001 Prior Environment Clearance for Stone Quarry in an area of 4.50 Ha. (2,54,300 cum per annum) (Khasra No. 89), Village- Chhapakuru, Tehsil - Deori, Dist. Sagar (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 89), Village- Chhapakuru, Tehsil - Deori, Dist. Sagar (MP) 4.50 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office vide letter No. 221 dated: 02/02/2019 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. PP further stated that, this lease was obtained under temporary permit (TP) with two years validity. During presentation it was recorded as per Google image that a Pucca road is in existence at a distance of approx. 250 mts towards North side of the lease area thus in order to protect road from fly rocks due to blasting of stone quarry, PP shall maintain necessary safety measures during mining. It was

also observed that a natural drain is in existence towards west side of the lease at a distance of approx. 350 mts thus garland drains and settling tanks of suitable sizes shall be provided. After presentation the committee asked to submit following details:

- Details of garland drain and settling tanks.
- Plantation for 2000 plants.
- Revised EMP by incorporating solid waste treatment plan, shelters for labors, and fire safety precautions.

Vide letter dated 01/03/2019, PP has submitted the desired information, which was placed before the committee. After deliberations, 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 2,54,300 cum/annum.
2. The lease area should be clearly distinguished and permanent earmarked at the site.
3. Thick plantation shall be carryout in the periphery of the lease.
4. Six monthly occupational health survey shall be carryout
5. PP should explore possibility of using solar lights in office /rest areas.
6. Overhead sprinklers arrangements with solar power driven pumps should be provided for dust suppression at the exit gate of the lease area.
7. No overcharging during blasting to avoid vibration.
8. Muffle blasting shall be adopted.
9. Mine water should not come out from the lease.
10. No explosive will be stored at mine site.
11. Kachha road from mine site to the highway shall be made pakka and maintained by PP.
12. No dump shall be stacked outside the lease area.
13. Top soil shall be simultaneously used for the plantation.
14. A crusher is also proposed within the lease area for which wind breaking wall of minimum 03 meters height of MS should be erected all around the crusher to avoid fugitive emissions. Crusher shall be installed minimum 100 meters away from the road.
15. 2000 plants shall be planted by the PP at mine's safety barrier, approach road and at village road.
16. A budgetary provision for Environmental management Plan of Rs.17.865 Lakh as capital and Rs. 6.40 Lakh/year as recurring cost.



17. Under CSR Rs. 1.84 Lakh as capital cost /years has proposed. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
18. Being a Temporary Permit (TP) validity of EC should be only up to the validity of TP.
19. It being a case of TP, PP has to ensure the execution of closure plan.

**12. Case No. - 5890/2019 Shri Prashant Jain, Village - Pathariya, Tehsil - Damoh, Dist. Damoh, MP Prior Environment Clearance for Basalt Stone Mine in an area of 4.80 Ha. (12,000 cum per annum) (Khasra No. 1498 Parts), Village- Padariya, Tehsil - Sagar, Dist. Sagar (MP)**

This is case of Basalt Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1498 Parts), Village- Padariya, Tehsil - Sagar, Dist. Sagar (MP) 4.80 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office vide letter No. 1938 dated: 04/12/2018 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. After presentation the committee asked to submit following details:

- Dimensions of garland drain and settling tanks.
- Revised EMP by incorporating solid waste treatment plan, shelters for labors, and fire safety precautions.
- Proposal for 480 plants/year.

Vide letter dated 01.03.2019, PP has submitted the desired information, which was placed before the committee. After deliberations, 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 12,000 cum/annum.
2. The lease area should be clearly distinguished and permanent earmarked at the site.
3. Thick plantation shall be carryout in the periphery of the lease.
4. Six monthly occupational health survey shall be carryout
5. PP should explore possibility of using solar lights in office /rest areas.
6. Overhead sprinklers arrangements with solar power driven pumps should be provided for dust suppression at the exit gate of the lease area.
7. No overcharging during blasting to avoid vibration.
8. Muffle blasting shall be adopted.
9. Mine water should not come out from the lease.
10. No explosive will be stored at mine site.
11. Kachha road from mine site to the highway shall be made pakka and maintained by PP.
12. No dump shall be stacked outside the lease area.
13. Top soil shall be simultaneously used for the plantation.
14. A crusher is also proposed within the lease area for which wind breaking wall of minimum 03 meters height of MS should be erected all around the crusher to avoid fugitive emissions.
15. 480 trees /year shall be planted by the PP at mine's safety barrier, approach road and at village road.
16. A budgetary provision for Environmental management Plan of Rs. 4.84 Lakh as capital and Rs. 2.35 Lakh/year as recurring cost.
17. Under CSR Rs. 40,000 as capital cost /years has proposed. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**13. Case No. - 5907/2019 Shri Devendra Singh Sendhav, R/o Village - Murmiyabada, Tehsil - Sonkatch, Dist. Dewas, MP. Prior Environment Clearance for Stone Quarry in an area of 2.00 Ha. (5,000 cum per annum) (Khasra No. 342/1/1K Parts), Village- Kajlas, Tehsil - Jawar, Dist. Sehore (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 342/1/1K Parts), Village- Kajlas, Tehsil - Jawar, Dist. Sehore (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 vide letter No. 9034 dated: 03/01/2019 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. After presentation the committee asked to submit following details:

- Revised EMP by incorporating solid waste management plan, shelters for labors, and fire safety precautions.
- Dimensions of garland drain and settling tanks.

Vide letter dated 01.03.2019, PP has submitted the desired information, which was placed before the committee. After deliberations, the EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 5,000 cum/annum.
2. The lease area should be clearly distinguished and permanent earmarked at the site.
3. Thick plantation shall be carryout in the periphery of the lease.
4. Six monthly occupational health survey shall be carryout
5. PP should explore possibility of using solar lights in office /rest areas.
6. Overhead sprinklers arrangements with solar power driven pumps should be provided for dust suppression at the exit gate of the lease area.
7. No overcharging during blasting to avoid vibration.
8. Muffle blasting shall be adopted.
9. Mine water should not come out from the lease.
10. No explosive will be stored at mine site.
11. Kachha road from mine site to the highway shall be made pakka and maintained by PP.
12. No dump shall be stacked outside the lease area.
13. Top soil shall be simultaneously used for the plantation.
14. A crusher is also proposed within the lease area for which wind breaking wall of minimum 03 meters height of MS should be erected all around the crusher to avoid fugitive emissions. Crusher shall be minimum 100 meters away from the road.

15. 200 trees /year shall be planted by the PP at mine's safety barrier, approach road and at village road.
16. A budgetary provision for Environmental management Plan of Rs. 3.80 Lakh as capital and Rs. 1.95 Lakh/year as recurring cost.
17. Under CSR Rs. 25,000 as capital cost /years has proposed. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**14. Case No. - 5911/2019 Sarpanch, Gram Panchayat, Village - Kandela, Tehsil - Gaurihar, Dist. Chhatarpur, MP – 471516 Prior Environment Clearance for Sand Mine in an area of 1.50 Ha. (42,750 cum per annum) (Khasra No. 48 Part), Village- Kandela, Tehsil - Gaurihar, Dist. Chhatarpur (MP).**

This is case of Flag Sand Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 48 Part), Village- Kandela, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 1.50 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 Assistant Mining Officer letter No. NIL dated: 24/01/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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 of SEAC.

**15. Case No. - 5916/2019 M/s Brij Gopal Construction Company Pvt. Ltd, Shri Yogesh Agarwal, Kd-54, Puranpur North West, Delhi – 464986 Prior Environment Clearance for Flag Crusher Stone Quarry in an area of 2.915 Ha. (90,630 cum per annum) (Khasra No. 186/2), Village- Champaner, Tehsil - Goharganj (Sultanpur), Dist. Raisen (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 186/2), Village- Champaner, Tehsil - Goharganj (Sultanpur), Dist. Raisen (MP) 2.915 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 vide letter No. 135 dated: 22/02/2019 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. After presentation the committee asked to submit following details:

- Copy of Gram Sabah NOC is to be submitted by the PP.
- Details of proposed method of blasting.
- Material balance chart is needed.
- Details of the crusher being installed.
- Details of mine water discharge management plan with details of garland drain and settling tank.
- Revised EMP by incorporating facilities for worker by adding PPE's, First-Aid, fire fighting arrangement)
- Revised details of plantation increasing number of plants up to 3000 as suggested during presentation.
- Revised CSR as suggested during presentation.

Vide letter dated 01.03.2019, PP has submitted the desired information, which was placed before the committee. After deliberations, 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 90,630 cum/annum.
2. The lease area should be clearly distinguished and permanent earmarked at the site.
3. Thick plantation shall be carryout in the periphery of the lease.
4. Six monthly occupational health survey shall be carryout
5. PP should explore possibility of using solar lights in office /rest areas.
6. Overhead sprinklers arrangements with solar power driven pumps should be provided for dust suppression at the exit gate of the lease area.
7. No overcharging during blasting to avoid vibration.
8. Muffle blasting shall be adopted.
9. Mine water should not come out from the lease.

10. No explosive will be stored at mine site.
11. Kachha road from mine site to the highway shall be made pakka and maintained by PP.
12. No dump shall be stacked outside the lease area.
13. Top soil shall be simultaneously used for the plantation.
14. A crusher is also proposed within the lease area for which wind breaking wall of minimum 03 meters height of MS should be erected all around the crusher to avoid fugitive emissions. The crushed shall be minimum 100 meters away from the road
15. 3000 trees shall be planted by the PP at mine's safety barrier, approach road and at village road.
16. A budgetary provision for Environmental management Plan of Rs. 10.92 Lakh as capital cost/year is proposed
17. Under CSR Rs. 1.05 Lakh as capital cost /years has proposed. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**DISCUSSION ON QUERY REPLY SUBMITTED BY PP.**

**16. Case No. - 5774/2018 Shri Suresh, CEO, Gwalior Development Authority, Vikas Bhavan, 1 Ravi Nagar Gwalior (M.P.) -474002. Prior Environment Clearance for Commercial Complex "Madhav Plaza" at Khasra No. - 756, Huzarat Road, Lashkar, Gwalior (M.P.). Proposed Area - 2459.33 Sq.mtr. (Existing Capacity – 23658.48 sq.mtr.) Category: 8(a) Building & Construction Project. Env. Con. – Kadam Environmental Consultant Vadodara (Gujrat).**

This is case of Prior Environment Clearance for Prior Environment Clearance for "Madhav Plaza" at Khasra No. - 756, Huzarat Road, Lashkar, Gwalior (M.P.). Proposed Area - 2459.33 sq.mtr. (Existing Capacity – 23658.48 sq.mtr.) Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site. The Application was forwarded by SEIAA to SEAC vide letter no. 1584 dtd 18.10.2018 for appraisal and necessary recommendations.

PP has submitted the EIA report vide letter no. 3537 dated 19/09/2018 which was forwarded through SEIAA vide letter no. 583 dated 12/10/2018.

Earlier this case was scheduled in 335<sup>th</sup> SEAC meeting dated 01/12/2018, 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.

The EIA was presented by the PP and their consultant. The salient features of the project area as:

### **About The Project**

Commercial Complex Project “Madhav Plaza” located at Huzarat Road, Lashkar, Gwalior, Madhya Pradesh being developed by Gwalior Development Authority, Vikas Bhawan, 1 Ravi Nagar, Gwalior, Madhya Pradesh falls under Building and Construction project (Category 8a) of EIA notification 2006 as amended till date.

### **Project Cost**

There is an investment of approx. INR 85.32 Crores in this project.

### **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.

Construction activity of the project was started with effect from 2009, as authority was not aware of the provision of EIA notification, 2006. But after submission of application for Environmental Clearance to SEIAA, MP, they called for presentation on the project on 20.08.2013. During the discussion with SEAC it was noticed that the construction of our building without obtaining Environmental Clearance is violation of EIA notification, 2006. After that GDA stopped construction activity.

GDA also committed and submitted details of violation of construction activities undertaken as per MoEFCC, GoI, O.M no. J-110131/41/2006-IA-II dated 12.12.2012 and OM dated 27.06.2013.

**As of now, a large part of construction work of building is almost completed** and only electrical and fitting of AC work in completed part was left. Only a small part of 10% of the building work is remaining to be completed which has been stopped now.

### **Chronology of the project:**

The case was kept on abeyance by SEIAA, MP until clarification received from MoEF, GOI as per policy decision in its 219th, 220th & 352nd SEIAA meeting. Case closed in 417 SEIAA meeting dated 20-03-17 Case closed vide letter no. 23-24/SEIAA/17 dated 01-04-17.

**MoEF & CC, GoI issued a recent Notification vide S.O. 804 (E), dated 14.03.2017, for one time opportunity for Violation matters.** Therefore, we had submitted our application for

getting Environmental Clearance of the project as per EIA Notification dated 14.09.2006 as amended on 14.03.2017.

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 MoEFCC for violation project Terms of Reference have been received from MOEFCC. 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.

### **Project Details**

<b>Particulars</b>	<b>Description</b>
Plot area (m2)	9,305
Area under road widening (m2)	161.98
Net Planned area (m2)	9143.02
Permissible FAR (m2)	16,283.75 (1.75)
Additional FAR for road widening area	283.46 (1.75)
Total permissible FAR (m2)	16567.21
Proposed FAR (m2)	13,631.2 (1.49)
Permissible Ground coverage (m2)	4,571.5 (50%)
Proposed Ground coverage (m2)	2923.5 (31.9%)
Built up area ( m2 )	26,117.81
Number of floor	B+G+3
Number of basement	1
Total Area of Basement (m2)	5,145
Total No of shops	587
Floor-wise area use	Ground, first, second floor- shops Third floor- Office, shops, bank and restaurant
Parking arrangement with its breakup	
Basement parking	147 ECS
Surface parking	32
Sanctioned Load (kVA)	3,000
Proposed capacity of DG set in KVA	2 x 1500
Total Solid Waste generation	0.4 ton/day
Total Population	5583 ( 1993 staff, 3590 visitors)



### **Constructionion break**

S. No	Building	Area/Number	Person based on	Population
1.	G.F + F.F + S.F (shops)	587	@ 3 person/shop	1761
2.	Visitors	-	Lump sum	3522
3.	T.F (Office+ bank)	2122.6 sqm	@ 10 SQM/Person	212
4.	Visitors	-	@ 10 % of staff	21
5.	Visitors (Restaurant)	187 sqm	@ 4 sqm/person	47
6.	Security & Maintenance		Lump sum	20
	Total population			5583

### **Water Supply**

During operational phase, total 147 KLD fresh water will be required which will be met from Municipal Corporation, Gwalior.

### **Waste water Generation and Treatment:**

During operation phase, it is estimated that about 117 KLD of 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 at site.

After primary treatment, 111 KLD waste water will be discharge into main sewer line (after 6 KLD loss through evaporation and sludge) of Municipal Corporation, Gwalior. Further, waste water will be treated in to STP of 60 MLD capacity of Gwalior Municipal Corporation.

The Gwalior Municipal Corporation agreed to provide sewer connection into main sewer line and for further treatment in STP.

### **Storm Water Management Plan:**

Total 45 nos. of harvesting bores along with 12 nos. of Infiltration chambers will be provided.

### **Solid waste generation/ Disposal:**

Solid waste generated in Project area will be 0.4 ton/day and mainly of domestic nature.

**Power Requirement:**

The power shall be supplied by Madhya Pradesh Madhya Kshetra Vidyut Vitran Company Limited. The sanctioned Load for the project 3000kVA.

Details of the DG sets: There is a provision of DG sets with 2 x 1500 kVA capacities.

**Parking Facilities:**

147 ECS in basement and 32 ECS on surface will be provided.

**Landscaping:**

As suggested by the Honorable SEAC, Madhya Pradesh, after site visit on 21.05.2015, we have allocated an area of 3000 m<sup>2</sup> (approximate 32.81 % of total plot area of Madhav Plaza) in our land situated at village Shatabdipuram for development of green belt as compensatory Plantation. The area will be developed as green belt by planting 600 local tree species and separate budget of Rs. 10 Lakhs has been allocated for compensatory plantation including fencing and bore well development for watering of landscape.

It is also ensured that creepers on the project site along with other plants will also be planted. At site wall creepers will be planted to cover 540 sqm of wall area.

**Fire Fighting system:**

Adequate fire protection facilities will be installed including fire detectors, fire alarm and fire fighting system to guard the building against fires. All fire protection facilities will be designed as per the National Building Code given in 2005.

After presentation and discussions following information was asked to submit by the PP:

1. NOC from DFO.
2. Photographs of site taken during various construction works/activities.
3. 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 because in the proposed plan justified details of ecological damages etc are missing.

PP vide letter no 292 dated 01/02/2019 submitted the reply of the queries that were raised in 335<sup>th</sup> SEAC Meeting dated 01/12/2018, which was placed before the committee.

The case was presented by the PP and their consultant in 345<sup>th</sup> SEAC meeting dated 21/02/2019, wherein it was observed by the committee that PP has proposed Rs. 72,45,452=00 as cost of remediation and natural community resource augmentation plan. During discussion, it was observed by the committee that some precautions/activities are taken by the PP during construction of the project but still they are covered under remediation plan. Thus committee after deliberations asked PP to revise the proposal and submit for further consideration as early as possible so that case can be taken up in the upcoming meetings of SEAC.

PP vide letter dated 01/03/2019 has submitted the revised cost estimate for remediation plan and natural community resource augmentation plan and the same was placed before the committee for discussion. During discussion it was observed by the committee that the revised plan submitted by PP is as follows:

Attrib utes	Scope of environment al benefits earned	Remediation cost		EMP Cost		Remark
		Recurring cost, per day (Rs.)	Capital cost (Rs.)	Recurring cost,per Annum (Rs.)	Capital cost (Rs.)	
AP	A.Water requirement for sprinkling (KL/day):					
	a). Construction Phase	274	-	-	-	Cost of water @Rs. 274 per KL  It is including transportation and sprinkling for dust suppression at site.  Declaration is attached at <b>Annexure 1</b>

Attrib utes	Scope of environment al benefits earned	Remediation cost		EMP Cost		Remark
		Recurring cost, per day (Rs.)	Capital cost (Rs.)	Recurring cost,per Annum (Rs.)	Capital cost (Rs.)	
						For remaining construction work water sprinkling is not required as excavation part has already been done and the remaining construction will be above ground only. Barricading will be provided for remaining construction to control dust pollution. <b>Note:</b> Cost of Barricading has been covered under Attribute NV (Noise and Vibration).
	B. Air Pollution Monitoring					
	a). Construction Phase	274	-	-	-	Based on the operation phase air pollution monitoring cost i.e. Rs.1,00,000 ( for 2 EC compliance each year). We have calculated per day cost =1,00,000/365=274 Rs/day
	b). Operation Phase	-	-	1,00,000	3,50,000	<b>Recurring cost:</b> Two six monthly environmental monitoring/EC

Attrib utes	Scope of environment al benefits earned	Remediation cost		EMP Cost		Remark
		Recurring cost, per day (Rs.)	Capital cost (Rs.)	Recurring cost,per Annum (Rs.)	Capital cost (Rs.)	
						compliance each year
						<b>Capital cost:</b> Cost of Additional Stack height of 6 meter.
WP	A. Cost of water requirement :					
	a). Construction phase:	222	-	-	-	Total water requirement for laborer during construction phase =6.15 KLD Cost of water @ Rs.36 per KL =6.15*36 =Rs.222 per day
	b). Operation phase:	-	-	19,28,032	-	Total water requirement during operation phase =146.73KLD Cost of water @ Rs.36 per KL =146.73*36 =Rs. 5282.28 per day Per Annum cost would be =Rs.5282.28 *365 =Rs.19,28,032/- Operation phase is not commenced yet. <i>Note: The given amount is not part of EMP provided in EIA report.</i>
	B. Cost of sewage treatment, reuse & disposal:					

Attrib utes	Scope of environment al benefits earned	Remediation cost		EMP Cost		Remark
		Recurring cost, per day (Rs.)	Capital cost (Rs.)	Recurring cost,per Annum (Rs.)	Capital cost (Rs.)	
	a). Construction phase:	-	-	-	-	Toilets provided for the laborers and photographs provided at <u><b>Annexure 2</b></u>
	b). Operation phase:	80	-	2,13,525	20,00,000	<p>We have provided occupation for 08 shops out of 587. Recurring costs for collection of waste generated from 8 shops @10 Rs. Per shop/ month (8*10*30= Rs.2400)</p> <p><b>Recurring costs</b> for Primary Clarifier includes manpower and electrical cost (@ Rs.5 per KLD)for operation phase (117*5*365)</p> <p>Capital costs include civil, mechanical, electrical, piping, and erection commissioning costs for Primary Clarifier. Primary treatment will be provided by installing fine screen, collection tankPrimary Settling tank &amp; sludge collection system.</p>
GW	GW abstraction	-	-	-	-	Neither we have abstracted ground water during construction nor will

Attrib utes	Scope of environment al benefits earned	Remediation cost		EMP Cost		Remark
		Recurring cost, per day (Rs.)	Capital cost (Rs.)	Recurring cost,per Annum (Rs.)	Capital cost (Rs.)	
						abstract during operation phase. Declaration is attached at <b>Annexure 1A</b> .
SHW	In case of demolition has carried out, the cost of demolition waste management plan needs to be discussed and finalized as nonrecurring cost. Cost of Solid waste Management for project					
	Construction Phase	274	<b>14,64,500</b> (12,85,500+ 179000)	-	-	<p>Recurring cost:Cost of water @Rs. 274 per KLD for demolition.</p> <p>It is including transportation and sprinkling for dust suppression at site.</p> <p>Declaration is attached at <b>Annexure 1A</b></p> <p><b>Capital cost:</b> Total quantity of soil excavated from Basement= 24,163.56 m<sup>3</sup> Topsoil: 3624.53 m<sup>3</sup> Rest excavated soil:20539.026 m<sup>3</sup> Soil transported through dumpers having capacity of 8 m<sup>3</sup></p> <p><b>Total trips of Rest excavated</b></p>

Attrib utes	Scope of environment al benefits earned	Remediation cost		EMP Cost		Remark
		Recurring cost, per day (Rs.)	Capital cost (Rs.)	Recurring cost,per Annum (Rs.)	Capital cost (Rs.)	
						<p>soilthrough dumpers =20539.026/8 =2570 Dumper trips. Per trip transportation cost=Rs.500/- Total Transportation cost of Rest excavated soil =2570 *500 =12,85,500]</p> <p>Demolition of old structure: 2861 m3 demolition waste was used in filling of our other infrastructure projects and rest material like stone, iron rods, bricks, door &amp; window frames were reused. Soil transported through dumpers having capacity of 8 m<sup>3</sup> <b>Total trips of waste material through dumpers</b> =2861/8 =358 Dumper trips. Per trip transportation cost=Rs.500/-</p>



Attrib utes	Scope of environment al benefits earned	Remediation cost		EMP Cost		Remark
		Recurring cost, per day (Rs.)	Capital cost (Rs.)	Recurring cost,per Annum (Rs.)	Capital cost (Rs.)	
						Total Transportation cost of waste material =358*500 =1,79,000
SWM	Operation Phase	-	-	36,500	20,000	<p><b>Capital cost</b> would include cost of providing storage space, bins for municipal solid waste / organic waste containers.</p> <p><b>Recurring cost</b> would include cost of collection /transportation of solid waste to municipal corporation @100 Rs per day or 0.4ton waste. 100*365= 36500/-</p>
NV	For damage due to noise pollution & vibration, the cost of barricades around the project site should be considered.[p	-	-	-	44,160	<p>For remaining construction cost of barricades is calculated as: Perimeter=29+25+14 +24=92 m =92*6*80 =44,160/- Acoustic enclosure were used in</p>

Attrib utes	Scope of environment al benefits earned	Remediation cost		EMP Cost		Remark
		Recurring cost, per day (Rs.)	Capital cost (Rs.)	Recurring cost,per Annum (Rs.)	Capital cost (Rs.)	
	erimeter (m) x height of the barricade (m) x cost of the sheet)					<p>equipments like batching plant, concrete pumps, tower cranes, Air compressors etc. Vulnerable receptors were not significantly affected. No complain regarding damage due to vibration was received from surrounding area.</p> <p>DG sets were not used during construction as we had temporary power connection of 110KW for construction phase. Bill receipts from MP Electricity Board are attached at <u><b>Annexure 3.</b></u></p> <p>For remaining construction cost of barricades is calculated as:  Perimeter=29+25+14  +24=92 m  =92*6*80  =44,160/-</p>

Attrib utes	Scope of environment al benefits earned	Remediation cost		EMP Cost		Remark
		Recurring cost, per day (Rs.)	Capital cost (Rs.)	Recurring cost,per Annum (Rs.)	Capital cost (Rs.)	
						Acoustic enclosures were used in equipments like batching plant, concrete pumps, tower cranes, Air compressors etc. Vulnerable receptors were not significantly affected No complain regarding damage due to vibration was received from surrounding area.
GB	Cost of planting & maintaining creepers/wall creepersat site	-	-	-	58,000	Creepers on the project site along with other plants are being planted. At site, creepers will be planted to cover 540 sqm of wall area also. Photographs are attached at <u><b>Annexure 4.</b></u>
	Cost of compensatory plantation	-	-	-	5,80,000	As suggested by the SEAC, Madhya Pradesh, after site visit on 21.05.2015, we have allocated an area of 3000 m <sup>2</sup> (approximate 32.81 % of total plot area

Attrib utes	Scope of environment al benefits earned	Remediation cost		EMP Cost		Remark
		Recurring cost, per day (Rs.)	Capital cost (Rs.)	Recurring cost,per Annum (Rs.)	Capital cost (Rs.)	
						<p>of Madhav Plaza) in our land situated at village Shatabdipuram for development of green belt as compensatory Plantation. The area will be developed as green belt by planting a total of 600 local tree species @ 1 tree per 5m<sup>2</sup> (2000 trees per Ha)and out of which approx. 250 trees have been planted. Details of proposed/planted tree already submitted. Separate budget of Rs. 10 Lakhs has been allocated for compensatory plantation (600 trees sps.)and maintenance. For remaining 350 trees (to be planted) amount will be : Rs. 5,80,000/- Photographs/details of plantation are</p>

Attrib utes	Scope of environment al benefits earned	Remediation cost		EMP Cost		Remark
		Recurring cost, per day (Rs.)	Capital cost (Rs.)	Recurring cost,per Annum (Rs.)	Capital cost (Rs.)	
						attached at <u><b>Annexure 5.</b></u>
HG	Cost of construction& maintenance of recharge well:					
	a).Constructi on Phase	-	-	-	-	RWH pits and storm water line has already been constructed. 45 recharge wells and 12 no of filtration chambers have been constructed. Photographs provided at <u><b>Annexure 6</b></u> & declaration regarding the same is attached at <b>Annexure 1A.</b>
	b).Operation Phase	-	-	2,00,000	-	For maintenance of RWH pits and storm water line.
SC	Cost of preservation of top soil & excavated earth to be considered. [Area (m2)x depth (m)x sp. Gravity (kg/m3)x cost per ton (Rs.)]	-	2,26,500	-	-	Topsoil and Excavated soil was used in leveling and filling for development of Parks in various schemes of GDA. Total quantity of soil excavated from Basement= 24,163.56 m3 Topsoil: 3624.53 m3 Rest excavated soil:20539.026 m3 Soil transported through dumpers

Attrib utes	Scope of environment al benefits earned	Remediation cost		EMP Cost		Remark
		Recurring cost, per day (Rs.)	Capital cost (Rs.)	Recurring cost,per Annum (Rs.)	Capital cost (Rs.)	
						<p>having capacity of 8 m<sup>3</sup></p> <p><b>Total trips of top soil through dumpers</b></p> <p>=3624.53/8</p> <p>=453 Dumper trips.</p> <p>Per trip transportation cost=Rs.500/-</p> <p>Total Transportation cost o top soil</p> <p>=453 *500</p> <p>=2,26,500]</p>
Renew able Energy	Solar Lights	-	-	-	45,00,000	<p>Solar lights will be provided in future. Solar lights will be provided @2% of connected load.</p> <p>Total load is 3000 kV. Hence, 2% of total load is 60kVA and total estimated cost will be Rs.75,000/- per kVA. Hence, total amount for 60 kVA will be Rs.45 lac.</p> <p>Calculation is based on the WO of CPWD(<b>Annexure 7</b>)</p> <p><i>It is an additional detail as asked by SEAC in its 345<sup>th</sup> meeting.</i></p>

Attrib utes	Scope of environment al benefits earned	Remediation cost		EMP Cost		Remark
		Recurring cost, per day (Rs.)	Capital cost (Rs.)	Recurring cost,per Annum (Rs.)	Capital cost (Rs.)	
Traffic Manag ement	Traffic management by provide signposts and staff training					<i>It is an additional detail as asked by SEAC in its 345<sup>th</sup> meeting.</i>
	a).Constructi on Phase	-	-	-	-	Permission from Deputy Police Suptd. Traffic for transportation of material between 10 PM to 6 AM.(Already submitted in Form 1 at Annexure 19). Attached at <u><b>Annexure 8.</b></u>
	b).Operation Phase	-	-	<b>2,50,000</b> (2,40,000+ 10,000)	50,000	<b>Recurring Cost:</b> Hiring 2 employees for traffic management (entry & Exit of complex) @ 10,000 P.M. Rs. 10,000 for maintenance of signboards. <b>Capital Cost:</b> Signage at various places.
Disast er Manag ement	Mock drills & Trainings					<i>It is an additional detail as asked by SEAC in its 345<sup>th</sup> meeting.</i>
	a).Constructi on Phase	-	32,000	-	-	Quarterly trainings @Rs. 2,000/- per

Attrib utes	Scope of environment al benefits earned	Remediation cost		EMP Cost		Remark
		Recurring cost, per day (Rs.)	Capital cost (Rs.)	Recurring cost,per Annum (Rs.)	Capital cost (Rs.)	
						training (for ~4 years of construction period)
	b).Operation Phase	-	-	20,000	-	Quarterly Training / Mock drills @ Rs.5000/- each (Including cost of Fire extinguisher and water cannon)
OH& First Aid	First Aid, Medical checkup	136	-	50,000	-	First Aid, medical Checkups were part of our agreement and have been took over by contractor. Reference Document is attached at <b><u>Annexure 9.</u></b> It is a part of tender document and agreement with Building Construction Company. <i>It is an additional detail as asked by SEAC in its 345<sup>th</sup> meeting.</i>
Fire Safety	Fire safety equipments	-	-	8,23,000 (5% of the total execution cost of firefighting for remaining	16,46,000 (10% of the total execution cost of firefighting for remaining work)	Provided full scheme of fire fighting. Details of work executive at site along with photographs are attached at <b><u>Annexure 9</u></b> for a total cost of Rs.1,64,63,562&Decla



Attrib utes	Scope of environment al benefits earned	Remediation cost		EMP Cost		Remark
		Recurring cost, per day (Rs.)	Capital cost (Rs.)	Recurring cost,per Annum (Rs.)	Capital cost (Rs.)	
				work)		ration is attached at <b>Annexure 1B</b> The document is part of BOQ. <i>It is an additional detail as asked by SEAC in its 345<sup>th</sup> meeting.</i>
Storm Water Drain	-	-	71,000	10,000	-	Work executed at site: 35% Declaration attached at <b>Annexure 1A</b> <b>Estimate is attached at Annexure 1C</b>
<b>Total</b>		<b>1260</b>	<b>17,94,000</b>	<b>36,31,057</b>	<b>88,98,160</b>	

**Cost Estimation of remediation plan and natural & community resource augmentation plan**

- Total of recurring cost = Rs. Per day x Number of days violation = Rs. 1260/- x 1246 days of violation  
= Rs. 15,69,960/-
- Total EMP cost (Remedial) = Annual Recurring + Capital cost  
= 15,69,960 + 17,94,000 = Rs.33,63,960.....(I)
- Profit earned due to the activity = 0.00 ..... (II)
- The cost of remediation plan and natural & community resource augmentation plan = Total EMP cost (I) +  
0.00 (II) = Rs.33,63,960/- + Rs. 0.00/- = Rs.33,63,960/-..... (III)

Further, PP has proposed Rs. 2,89,21,194=00 ( Rs. 2,59,35,722/- as capital cost and Rs. 29,85,472/- as recurring cost) for EMP of this project.

As per above calculations, PP Gwalior Development Authority has proposed to submit bank guarantee of INR 33,63,960/- towards Remediation Plan and Natural & Community Resource Augmentation Plan.

Committee after considering the reply recommends that PP may be asked to deposit the bank guarantee (BG) with three years validity of Rs. 33,63,960/- (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board after approval of the SEIAA as per the procedure laid down in the MoEF&CC Notification dated 08/03/2018.

The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Environment Clearance for Commercial Complex "Madhav Plaza" at Khasra No. - 756, Huzarat Road, Lashkar, Gwalior (M.P.). Proposed Area - 2459.33 Sq. meter (Existing Capacity – 23658.48 sq.mtr.) Category: 8(a) Building & Construction Project subject to the following special conditions and submission of bank guarantee (BG) with three years validity of Rs. 33,63,960/- (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board :

### **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 (2 X 1500 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 (2 X 1500 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. Total fresh water (147 KLD) use during operation phase shall not exceed the proposed requirement as provided in the project details.
- 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. 45 Recharge wells and 12 nos. of filtration chamber shall be constructed by PP.
- 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 (Capacity - 120 KLD, primary clarifier with desiltation 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 117 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. After treatment, 111 KLD waste water will be discharged into main sewer line (after 6 KLD losses through evaporation and sludge) of Municipal Corporation, Gwalior which will be ultimately treated into 60 MLD capacity of Gwalior Municipal Corporation STP.
- 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. Water Management**

- i. 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.
- ii. 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.
- iii. 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.
- iv. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.

- v. 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.
- vi. 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.
- vii. 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.
- viii. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- ix. 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. At site, creepers will be planted to cover 540 sqm of wall area also. we have allocated an area of 3000 m<sup>2</sup> (approximate 32.81 % of total plot area of Madhav Plaza) in our land situated at village Shatabdipuram for development of green belt as compensatory Plantation. The area will be developed as green belt by planting a total of 600 local tree species @ 1 tree per 5m<sup>2</sup> (2000 trees per Ha) and out of which approx. 250 trees have been planted.
- ii. No tree can be felled/transplant unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iv. 3000 sq meters of area shall be provided for green belt development as per the details provided in the project document.
- 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.

- vi. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stock piled appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

## **VIII Transport**

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.
  - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
  - b. Traffic calming measures.
  - c. Proper design of entry and exit points
  - d. Parking norms as per local regulation
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. 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 has proposed Rs. 2,89,21,194=00 ( Rs. 2,59,35,722/- as capital cost and Rs. 29,85,472/- as recurring cost) for EMP of this project
- vi. The PP Gwalior Development Authority has proposed to submit bank guarantee of INR 33,63,960/- towards Remediation Plan and Natural & Community Resource Augmentation Plan.

**XI. Miscellaneous**

- i. Total Solid Waste generated from Project will be 400.48 kg/day (223.3kg/day from Fixed & 177.15 kg/day from Floating population)
- ii. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.

- iii. 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)
- iv. 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).
- v. 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.
- vi. 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.

**17. Case No. - 5833/2019 Sarpanch, Gram Panchayat, Village - Babri, Tehsil - Seoni Malwa, Dist. Hoshangabad, MP – 461221 Prior Environment Clearance for Sand Mine in an area of 4.00 Ha. (48,600 cum per annum) (Khasra No. 137/1) at Village- Babri, Tehsil - Seoni Malwa, Dist. Hoshangabad.**

This is case of Sand Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 137/1) at Village- Babri, Tehsil - Seoni Malwa, Dist. Hoshangabad 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) vide letter No. 35 dated: 03/04/2018 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

In this meeting the case was presented by the PP and their consultant. PP stated that it is Babri Sand quarry at River Narmada and Gram Panchyart Babri possesses this lease and all mining operations will be done manually open-cast method through local labours transportation will be through trucks/ tippers. During presentation committee observed that in the Google image (October 2018) two coordinates of north side were falling in the river. Hence, after presentation and deliberation the committee asked PP to submit following information:

1. Revised production operational plan leaving 20 meter area from the co-ordinates which are falling in the stream as in stream mining is not permitted.
2. Revised estimation of the sand volume as per depth given in mine plan and area available after leaving area submerged in water.
3. Revised plantation proposal for 350 plants / year.
4. Revised EMP & CSR activity with appropriate budget.

PP has submitted the response of above quarries vide letter dated 19/02/2019 which was placed before the committee. Committee observed that as per the revised operational production plan submitted by PP, the area available for mining is 3.60 ha out of allotted 4.00 ha area. Considering the sanctioned depth of 1.5 meters as per the mine plan and 10% mining loss as submitted by the PP, the volume of sand that can be evacuated will be 48,600 cum/year. The response of other queries & EMP and other submissions made earlier by the PP earlier were also 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':

- Production of Sand as per revised operational production plan with quantity not exceeding 48,600 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- No in-stream mining shall be allowed.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- Provision of solar pump for over head water lifting.
- Disposed solid waste from labour shelter and canteen as per MSW norms.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.
- The lease area should be clearly distinguished and earmarked at the site.

- A budgetary provision for Environmental management Plan of Rs. 7.21 Lakh as capital and Rs. 6.17 Lakh/year as recurring cost. 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. Under CSR Rs. 2.60 lakh/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
- 350 trees / years shall be planted at approach road to the mining area, mines lease boundary and at village area.
- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2017 issued by the MoEF&CC.

**18. Case No. 5858/2019 Sarpanch, Gram Panchayat, Village - Putti, Tehsil - Dabra, Dist. Gwalior, MP – 475110. Prior Environment Clearance for Sand Mine in an area of 4.98 Ha. (92,777 cum per annum) (Khasra No. 552 (Part)), Village- Putti, Tehsil - Dabra, Dist. Gwalior (MP).**

This is case of Sand Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 552 (Part) Village- Putti, Tehsil - Dabra, Dist. Gwalior (MP) in an area of 4.98 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of PFR, approved Mining Plan & DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office vide letter dated: 14/01/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein during presentation it was observed by the Google image that some trees are in the lease area towards the west side, thus inventory of the trees that will uprooted with its compensatory plantation is to be submitted. After presentation, committee asked PP to submit following information:

1. Revised Plantation scheme as per the suggestion during meeting.
2. Revised EMP by incorporating cost of OHS, PPE's first-aid and solar lights as suggested during presentation.

3. Revised CSR activities with appropriate budget as suggested during meeting.
4. Inventory of the trees within the lease area.
5. Two co-ordinates are falling outside the river bank and mining on banks shall not be permitted for their protection. Thus revised corrected co-ordinates shall be submitted.

PP has submitted the response of above quarries vide letter dated 01/03/2019 which was placed before the committee. The response of queries & EMP and other submissions made earlier by the PP earlier were also 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':

- Production of Sand as per revised operational production plan with quantity not exceeding 92,777 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- No in-stream mining shall be allowed.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- Provision of solar pump for over head water lifting.
- Disposed solid waste from labour shelter and canteen as per MSW norms.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.
- The lease area should be clearly distinguished and earmarked at the site.
- A budgetary provision for Environmental management Plan of Rs. 9.95 Lakh as capital and Rs. 7.50 Lakh/year as recurring cost. 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. Under CSR Rs. 6.00 lakh/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities

by PP for financial accountability and these details should be provided in Annual Environmental Statement.

- 350 trees / years shall be planted at approach road to the mining area, mines lease boundary and at village area.
- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2017 issued by the MoEF&CC.

**(Dr. Mohd. Akram Khan)**  
**Member**

**(Dr. Sonal Mehta)**  
**Member**

**(Shri Prashant Srivastava)**  
**Member**

**(Dr. A.K. Sharma)**  
**Member**

**(Dr. R. Maheshwari)**  
**Member**

**(Mohd. Kasam Khan)**  
**Chairman**

Following standard conditions shall be applicable for the mining projects of minor mineral in addition to the specific conditions:

**Annexure- 'A'**

**Standard conditions applicable to Stone/Murram and Soil quarries:**

1. 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.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
4. Transportation of material shall be done in covered vehicles.
5. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. The proposed plantation should be carried out along with the mining @45 trees per hectare and PP would maintain the plants for five years including casualty replacement.
8. Transportation shall not be carried out through forest area.
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.
10. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
11. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
12. NOC of gram panchayat should be obtained for the water requirement.
13. PP should also maintain a log book containing annual details of tree plantation and causality replacement.
14. 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.
15. Mining should be done as per the submitted land use plan submitted by PP.

**Annexure- 'B'**

**Standard conditions applicable for the sand Mine Quarries\***

1. The amount towards reclamation of the 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.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
4. Plantation shall be carried out on the banks for stabilization of the banks.
5. The mining activity shall be done manually.
6. No heavy vehicles shall be allowed to enter the river bed and the transportation of the sand from the excavation pits of the leased area to the loading point shall be through trollies (tractor trollies) and not by heavy vehicles. Only registered tractor trollies 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.
7. NOC of gram panchayat should be obtained for the water requirement.
8. Transport vehicles will be covered with tarpauline to minimize dust/sand particle emissions.
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 depth of mining shall be restricted to 3m or water level, whichever is less.
12. No in-stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure 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.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. 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.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.
19. Mining should be done as per the submitted land use plan submitted by PP.



**Annexure- 'C'**

**Standard conditions applicable for the Khodu Bharu sand Mine Quarries\***

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
4. The amount towards reclamation of the 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.
5. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
6. Heavy vehicles shall not be allowed for removal of sand.
7. The sand shall be transported by small trolleys up to the main transport vehicle.
8. Transport vehicles will be covered with tarpauline to minimize dust/sand particle emissions.
9. No Mining shall be carried out during Monsoon season.
10. PP shall take Socio-economic activity in the region through the 'Gram Panchayat'.
11. NOC of gram panchayat should be obtained for the water requirement.
12. EC will be valid for mine lease period/mine plan subject to a ceiling of 5 years.
13. The mining shall be carried out strictly as per the approved mining plan.

**Annexure- 'D'**

**General conditions applicable for the granting of TOR**

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. 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.
3. An inventory of flora & fauna based on actual ground survey shall be presented.
4. Risk factors with their management plan should be discussed in the EIA report.
5. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
6. The EIA document shall be printed on both sides, as far as possible.
7. All documents should be properly indexed, page numbered.
8. Period/date of data collection should be clearly indicated.
9. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.

10. 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.
11. 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.
12. Grant of TOR does not mean grant of EC.
13. 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.
14. 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.
15. 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.
16. All the necessary NOC's duly verified by the competent authority should be annexed.
17. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
18. The EIA report should clearly mention activity wise EMP and CSR cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
19. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
20. 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.
21. 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.
22. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
23. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.

**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.**

24. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
25. Detailed analysis of availability and quality of the drinking water resources available in the block.
26. 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.
27. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtained.