

The 517<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 07<sup>th</sup> October, 2021 under the Chairmanship of Dr. Praveen Chandra Dubey for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing –

1. Shri Raghvendra Shrivastava, Member.
2. Prof. (Dr.) Rubina Chaudhary, Member
3. Dr. A. K. Sharma, Member.
4. Prof. Anil Prakash, Member.
5. Prof. (Dr.) Alok Mittal, Member
6. Dr. Jai Prakash Shukla, Member.
7. Dr. Ravi Bihari Srivastava, Member.
8. Shri A.A. Mishra, Member Secretary.

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

**1. Case No 8602/2021 Executive Engineers, NVDA, DEVELOPMENT DIVISION 12, Rajpur, Dist. Barwani, MP Prior Environment Clearance for Micro Lift Irrigation Scheme at Village & Tehsil - Pati, Dist. Barwani, (MP). GCA-17,154 Ha., CCA 5,940 ha. Cat. 1(c) River Valley Project. Env. Consultant- M/s. Forest Environment and Climate Change Management Consultancy (FECCM), Pvt. Ltd. Bhopal, MP.**

This is case of Prior Environment Clearance for Micro Lift Irrigation Scheme at Village & Tehsil - Pati, Dist. Barwani, (MP)

This is a Micro Lift Irrigation Scheme involving CCA 5,940 ha & GCA 17,154 of culturable command area falls under category "B" and have been mentioned at SN. 1(c) column B of Schedule of EIA Notification, hence such projects are required to obtain prior EC from the SEIAA. The application for EC was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP.

The case was presented by PP and their consultant in the 511st SEAC meeting dated 26.08.2021 M/s Forest Environment and Climate Change Management consultancy Pvt., Ltd., Bhopal wherein PP submitted following details:

- The project has a CCA area of 5940 ha; therefore as per EIA notification of September 2006 and subsequent amendment dated 14<sup>th</sup> August 2018, it is a Category B2 project (Medium irrigation project having CCA > 2000 ha and < 10000 ha)" and hence shall be appraised by SEIAA/SEAC, Madhya Pradesh.

- The supply source: Narmada River near village Amlali of Barwani district .
- Power consumption (including all types of power) :5.78 MW
- Muck requiring disposal has been estimated as 1,26,289 m<sup>3</sup>.
- Gross command area (GCA) 17,154 ha
- Culturable command area (CCA)5,940 ha

### LAND REQUIREMENT

- The rising main shall be aligned in such a way, that it traverses minimum in forest area and the total length from lifting to delivery point becomes shortest.
- The topo sheet study reveals that total Rising Main 1 (8.6 km) & Rising Main 2 (14.4 km) lay in private, Forest or Govt. Land.
- The pipe shall be laid minimum 1.00 m. below average ground level. Hence no land for pipes shall be acquired permanently, except for Pumphouses. Temporary Land acquisition for pipe line laying will be done as per prevailing acts.
- For construction of pump houses, and distribution chamber of the Scheme, private land of about 7.6 Ha will be acquired.
- Forest land requirement : 0.219. HA .Proposal for diversion has been accepted by DFO, Barwani vide letter no. क्रमांक/माचि./2021/1289 dt. 05/03/2021
- The project doesn't involve any R&R (Rehabilitation and Resettlement)
- There is no Submergence.

During presentation, PP submitted that only 0.219 ha forest land is involved in this project and they have also obtained diversion of forest land from DFO, Barwani issued vide letter 1289 dated 05/03/21. Committee further observed that there are several mistakes in the form-II submitted by PP. Since SEAC is appraising cases on the basis of documents and details uploaded online, thus all the mandatory information shall be precisely uploaded online for appraisal of case and to avoid unnecessary delay. After presentation committee asked PP to submit response on following issues and revised/updated information in Form-II, such as:

1. In point no.13.1 – Under Raw material- mentioned “water”, Justify.
2. In point no.18.1 - Under Air Quality Impact Prediction- Incremental Concentration value is “0” justify.
3. In point no.24 – when forest area involved, why “0”?
4. In point no.28 - R&R status for 7.603 ha land.
5. In point no.32- Green belt plans.
6. In point no.38- consultant certificate not uploaded.
7. All the data shall mention in EIA report and Form-II shall be inline.

8. PP's commitment that diversion of any natural drainage is not proposed in this project.
9. Leakage detection plan and plan for protection against corrosion for MS pipes.
10. Detailed muck management plan considering machinery deployment, movement of trucks and cumulative effect on nearby environment.
11. PP's commitment and proposal regarding sowing of medicinal plants (herbs & shrubs species like Ashwagandha, Kalmegh etc.) over the soil of pipelines in forest area.
12. PP's commitment that they will make a team of people who look after all labor related environmental issues.
13. Under CER scheme with physical targets:
  - ✓ Activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup, Skill development for using Bamboo as raw material, Distribution of fruit bearing species etc., in concerned village shall be proposed.
  - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to them who are residing in the nearby villages, shall be considered.
  - ✓ PP's commitment that activities proposed in the CER and plantation scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained.
14. Under Plantation Scheme with budgetary allocations:
  - ✓ Commitment that plantation comprising of local forest species including trees, herbs, shrubs and climbers shall be carried out preferably through forest department and its regular monitoring through M. P. Bio Diversity Board.

PP vide their letter dated 15/09/2021 submitted query reply on Ministry's Parivesh Portal raised in the 511<sup>st</sup> SEAC meeting dated 26-08-21. The query reply was presented by the PP and their consultant, wherein PP has submitted that -

- Under Raw material- mentioned "water", Justify: This is a lift irrigation project, it involves distribution of water for irrigation in the villages. There is no raw material or product as such. As the "Parivesh" portal required information to be

- filled up under this head, water is being filled up for all river valley projects. As an alternative, we can mention “Not Applicable” under this part.
- Under Air Quality Impact Prediction- Incremental Concentration value is “0” justify: PP submitted that The predicted value remains same as the current value of air-quality does there will be no incremental or appreciation in the air quality because it is an irrigation project and there will be no considerable impact or emissions on the air environment. This being a lift irrigation scheme, during operation phase air quality impacts are considered negligible as the water will be distributed through closed piped canals and there is no major primary source of air pollution during operation of the scheme. However, fugitive emissions during construction due to excavation and transportation has been discussed in EIA report, along with mitigation measures.. Form is corrected and Updated.
  - In point no.28 - R&R status for 7.603 ha land.- There is no R&R involved , only on temporary basis Collector has appointed SDM and the Gazette notification has been issued for the same detailed report has been enclosed.
  - Muck Management Plan - Approximately 1,26,289 m<sup>3</sup> of muck will be generated along pipeline for a period of 180 days. Almost 700m<sup>3</sup> of muck will be needed to managed on daily basis, 08 trucks and 05 Trolleys along side by side with the excavation will be sufficient to manage the muck in multiple no. of trips.
  - PP ‘s submitted an affidavit regarding following undertaking were given :-
    - I. Diversion of any natural drainage is not proposed in this project is not proposed.
    - II. Leakage detection plan and plan for protection against corrosion for MS pipes is there as per NVDA guidelines.
    - III. Detailed muck management plan considering machinery deployment, movement of trucks and cumulative effect on nearby environment has been modified as per suggestion.
    - IV. PP’s undertaking the sowing of medicinal plants (herbs & shrubs species like Ashwagandha , Kalmegh etc.) over the soil of pipelines in forest area.
    - V. We will make a team of people who look after all labor related environmental issues.
    - VI. Under CER scheme PP gave his undertaking that- no fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under “Ujjwala Yojna” to them who are residing in the nearby villages, will be implemented.

- VII. PP's gave his undertaking that activities proposed in the CER and plantation scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained.
- VIII. PP's gave his undertaking that that plantation comprising of local forest species including trees, herbs, shrubs and climbers shall be carried out preferably through forest department and its regular monitoring through M. P. Bio Diversity Board.

As above based upon the query reply committee asked PP to provide CER activities wrt physical and financial targets (as only financial targets were submitted) and commitment that monitoring of all the plantation activities undertaken under the project will be done by M. P. Bio Diversity Board. PP submitted that they are convinced and will submit these details/commitment today only. PP submitted the reply vide letter dated 07/10/21 which were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Micro Lift Irrigation Scheme at Village & Tehsil - Pati, Dist. Barwani, (MP). GCA-17,154 Ha., CCA 5,940 ha. Cat. 1(c) River Valley Project. Category: 1(c) River Valley and Hydroelectric Projects with following conditions:

**I. Statutory compliance:**

- i. 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. (if any)
- ii. The project proponent shall obtain clearance from the National Board for Wildlife. (if any)
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of any schedule-I species in the study area)
- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee
- v. NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC. (If applicable)

- vi. Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crores. (If applicable)

**II. Air quality monitoring and preservation**

- i. Regular monitoring of various environmental parameters viz., Water Quality, Ambient Air Quality and Noise levels as per the CPCB guidelines at designated locations shall be carried out on monthly basis and a detailed database of the same shall be prepared and recorded. This shall be used as a baseline data for post construction EIA / Monitoring purposes.
- ii. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed standards.
- iii. Necessary control measures such as water sprinkling arrangements, etc. are to be taken up to arrest fugitive dust at all the construction sites.

**III. Water quality monitoring and preservation**

- i. Mixed irrigation shall be practiced and necessary awareness be given to all the farmers and trained in the use of such systems. Proper crops selection shall be carried out for making irrigation facility more effective.
- ii. On Farm Development (OFD) works like landscaping, land leveling, drainage facilities, field irrigation channels and farm roads, etc. should be taken up in phased manner prior to the start of irrigation in the entire command area. The Command Area Development Plan should be strictly implemented as proposed in the EIA/EMP report.

**IV. Noise monitoring and prevention**

- i. All the equipment likely to generate high noise shall be appropriately enclosed or inbuilt noise enclosures be provided so as to meet the ambient noise standards as notified under the Noise Pollution (Regulation and Control) Rules, 2000, as amended in 2010 under the Environment Protection Act (EPA), 1986.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time .

**V. Waste Management**

- i. Approximately 1,26,289 m<sup>3</sup> of muck will be generated along the pipeline length.
- ii. Almost 700m<sup>3</sup> of muck will be needed to manage on daily basis, eight trucks and Five Trolleys along side by side with the excavation will be sufficient to manage the muck in multiple no. of trips.

- iii. Muck disposal be carried out only in the approved and earmarked sites. The dumping sites shall be located sufficiently away from the HFL of the river. Efforts be made to reuse the muck for construction and other filling purposes and balanced be disposed of at the designated disposal sites. Once the muck disposal sites are inactive, proper treatment measures like both engineering and biological measures be carried out so that sites are stabilized quickly.
- iv. Solid waste management should be planned in details. Land filling of plastic waste shall be avoided and instead be used for various purposes as envisaged in the EIA/EMP reports. Efforts be made to avoid one time use of plastics.

**VI. Green Belt,**

- i. Total of 2.0 ha. of green belt shall be developed, detailed plantation scheme will be prepared by implementing agency/ forest department and approved by competent authority.
- ii. Any plantation within the forest area shall be carried –out with the consent of local DFO.
- iii. During excavation care will be taken that top fertile soil is kept aside and will not be used for filling the excavated area after laying pipe line. This top soil will be spread on adjoining farming fields with consent of farmers or alternatively will be used for green belt development.
- iv. To enrich the habitat of the project site, plantation shall be raised as envisaged in the EIA/EMP report. Plantation to be developed along the periphery of the reservoir in multi-layers with local indigenous species in consultation with the local State Forest Department.
- v. Compensatory forestation programme shall be implemented as per the approved plan which shall be monitored by M.P. Bio Diversity Board, Bhopal.

**I. EMP & CER**

- i. A budgetary provision of Rs. 88.25 Lakh has made for Environmental Management Plan as capital cost and Rs 141.25 lakh as recurring cost for 01 Year, Rs 145.25 lakh for 02 Year, Rs 127.00 lakh for 03 Year.
- ii. Under CER with budgetary allocations of Rs. 88.00 lakhs PP has proposed various activities such as installation of solar panel (1KW at 05 locations Rs. 10.00 lakhs), sowing of medicinal plants (20,000 saplings Rs. 13.00 lakhs), skill development using bamboo as raw material (03 technical workshop Rs. 10.00 lakhs), Medical camps (20 medical camps Rs. 20.00 lakhs), with awareness for local hygiene and social activities in registered Gaushala (Devi Ahliya Mata Gaushala, Village – Pedmi, Dist.- Indore) (Rs. 15.00 lakhs) etc.

- iii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iv. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- v. 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.
- vi. Post EIA and SIA be prepared for the project through a third party and evaluation report be submitted to the Ministry after five years of commissioning of the project.
- vii. Multi Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc. to oversee implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report of the Committee shall be uploaded in the website of the Company.
- viii. Formation of Water User Association/Co-operative be made by involvement of the whole community be ensured for discipline use of available water for irrigation purposes.

## **VII. Miscellaneous**

- i. Considering the shifting of huge volume of muck, which will be generated during the construction phase, project proponent shall construct pucca transportation



- road(s), from muck generation site(s) to the dumping site(s).
- ii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
  - iii. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
  - iv. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company
  - v. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
  - vi. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
  - vii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the Expert Appraisal Committee.
  - viii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
  - ix. 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.
  - x. 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.

**2. Case No 8629/2021 Executive Engineer, Office of the Executive Engineer, Water Resources Division, Dist. Sehore, MP Prior Environment Clearance for Kanyakhedi Medium Irrigation Project at Village - Haranyagaon, Tehsil - Jawar, Dist. Sehore, (MP). Cultivable Command Area - 2400 ha. Spread over 7 villages in Jawar tehsil of Sehore District , GCA- 3500 ha , Catchment Area- 107.69 Sq km , Dam Height – 17.69 Meter, Dam length -1770 Meter. Project Category- 1(c) River Valley Project. Env. Con. M/s. R.S. Envirolink Technologies Pvt. Ltd., Gurgaon.**

This is a case of Prior Environment Clearance for Kanyakhedi Medium Irrigation Project at Village - Haranyagaon, Tehsil - Jawar, Dist. Sehore, (MP). Kanyakhedi irrigation project proposes to construct an 17.69 m high dam across Dudhi river, a tributary of Newaj river; to store water during monsoon and to serve a command area of 2,400 ha (CCA) . The application was forwarded by SEIAA to SEAC for appraisal. The project requires prior EC before commencement of any activity at site under category 1(c).

The case was presented in the 512<sup>th</sup> SEAC meeting dated 07-09-2021 by the Mr. Ravinder Bhatia, Env. Consultant from M/s. R. S. Envirolink Technologies Pvt. Ltd, Gurgaon along with PP's Shri P.K. Sharma, Chief Engineer and Ms. Priyanka Bhandari ( EE) from Water Resources Department with the following details of the project:

- The proposed Kanyakhedi Irrigation Project is planned to irrigate a total 2,400 ha of Culturable Command Area (CCA) in Jawar tehsil of Sehore District. As per Environment Impact Assessment (EIA) Notification of September 2006 and subsequent amendments, Medium irrigation projects having CCA of greater than 2000 ha and less than 10000 ha are considered as category B2 projects; to be appraised at State level for environment clearance and are required to prepare EMP only (refer MOEF&CC notification SO 3977 (E) dated August 14, 2018). Therefore, Kanyakhedi Irrigation Project, a category B2 project, is to be appraised by State Expert Appraisal Committee (SEAC) of Madhya Pradesh for Environment Clearance.
- Kanyakhedi Irrigation project has been planned to cater to the drinking and irrigation water requirement of Jawar tehsil of Sehore District, which are declared drought prone areas due to acute shortage of surface and ground water sources.
- The project proposes to construct a 17.69 m high dam across Dudhi River near Haranyagaon village to create 14.96 MCM of gross storage of water for drinking and irrigation. It will serve a command of 2,400 ha (CCA) spread over 7 villages in Jawar tehsil of Sehore District. Water will be supplied by lifting from reservoir

to distribution chamber through a 0.5 Km long Rising Main and thereafter it will be distributed in command by 2 Gravity Mains of 3 km and 1 km.

- The project will supply drinking and irrigation water to drought prone area in Jawar tehsil of Sehore District. It envisages construction of a 1770 m long and 17.69 m high dam across Dudhi river, to create live storage capacity of 11.68 MCM out of which 8.68 MCM will be utilized for irrigation scheme and 3.00 MCM for drinking water. The project will be implemented and operated by Water Resources Department, Madhya Pradesh.
- The project involves construction of a dam across Dudhi river, to create gross storage capacity of 14.96 MCM and live storage of 11.68 MCM.
- Proposed dam is 1770 m long with a maximum height of 17.69 m.
- Water will be lifted through a rising main of 0.5 km up to DC and then distributed by two gravity mains of 3 km and 1 km long.
- 8.68 MCM of water will be lifted in this scheme during Rabi season only
- Water shall be delivered upto 5.0 ha chak, beyond which cultivators shall connect their own line and sprinkler system.
- Total land requirement of 374.809 ha constitutes of: government land: 51.709 ha & private land: 323.100 ha..
- No forest land shall be required for the project.
- A total of 4 villages of Jawar tehsil will be affected, out of which one village will involve displacement of families.
- Total 81 households comprising 141 families of Keshopur village will be displaced requiring resettlement.
- Families of other 3 villages will be losing their land due to submergence.

PP further submitted that no Schedule I species was found in the project area and also no forest land is involved. Being a dam project involving submergence of private land, R&R is proposed hence provision for PAF's is being made as per "RFCT-LARR Act, 2013 and Collector Sehore has identified /demarcated land at village Keshopur for proposed R&R plan. Committee further observed that there are mistakes in the form-II submitted by PP and mismatch of data provided in PFR and Form-II (such as submergence, Land details govt/private, dam height etc). Since SEAC is appraising cases on the basis of documents and details uploaded online, thus all the mandatory information should be precisely uploaded online for appraisal of case and to avoid unnecessary delay. After presentation committee asked PP to submit response on following issues and revised/updated information in Form-II, such as:

1. In point no. 14.2 – T.S.S. maximum limit showed as "Zero", please justify.

2. In point no. 35 (7) – being proposed dam why no CAT plan is attached, please justify. The CAT plan shall be prepared in consultation with agricultural department and promote Agro forestry including katang bamboo plantation in consultation with concerned farmers.
3. Data provided in PFR and Form-II (such as submergence, Land details govt/private, dam height etc) is not matching hence correct data shall be provided.
4. Under R&R plan PAF's data has been changed; please provide correct status and details of present status of R&R activity with proposed layout and details of allotted land.
5. Name of villages with details which will be fully submerged and partially submerged.
6. Detailed muck management plan considering machinery deployment, movement of trucks and cumulative effect on nearby environment.
7. Leakage detection plan and plan for protection against corrosion for MS pipes.
8. For Biodiversity Conservation Plan, PP shall allocate optimum funds to DFO or PP shall identify local college if land available for development Biodiversity Conservation.
9. PP should refer District Forest Working Plan for conservation and protection of local flora and fauna.
10. PP shall identify land for proposed grazing land development in the nearby degraded forest area with the consultation of local DFO and provide required funds to concerned.
11. Worst case scenario w.r.t. to settlements (such as village Haranyagaon) on the downstream of dam in case of dam collapse should be submitted.
12. Under CER scheme with physical targets:
  - ✓ Explore the possibility of providing water through tube well with solar pump to Kheoni Wild Life Sanctuary in consultation with concerned DFO and commensurate budgetary allocations shall be proposed in CER.
  - ✓ Commitment with budgetary allocations that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.

- ✓ Activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup, Skill development for using Katang Bamboo as raw material, Distribution of fruit bearing species etc., in concerned village shall be proposed.
- ✓ PP's commitment that activities proposed in the CER and plantation scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained.

13. Under Plantation Scheme with budgetary allocations:

- ✓ Total 650 trees are coming under submergence in the proposed project thus PP shall submit their inventory with girth details and compensatory plantation scheme along with comprehensive Green Belt Development plan for native plant species (such as Katang Bamboo, Sagone, Khamer etc) with details such as name & number of proposed species and area allocated for plantation.
- ✓ PP's commitment and proposal regarding sowing of medicinal plants (herbs & shrubs species like Ashwagandha, Kalmegh etc.) over the soil of pipelines not passing through the agricultural field.
- ✓ Proposal for distribution of fruit bearing species for nearby villagers shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.
- ✓ Commitment for development of Biodiversity rich area comprising of local forest species including trees, herbs, shrubs and climbers shall be carried out preferably through forest department and its regular monitoring through M. P. Bio Diversity Board.

PP vide their letter dated 16/09/2021 submitted query reply on Ministry's Parivesh Portal raised in the 512<sup>th</sup> SEAC meeting dated 07-09-2021. The query reply was presented by the PP with following submissions:—

- Under R&R plan PP has submitted that PAF data has been changed from preliminary survey to detailed survey. As per preliminary surveys, 168 nuclear families from 78 households were mentioned in EMP report to be displaced, during further detailed surveys 141 nuclear families from 81 households were identified to be displaced belong to Keshopur village. Cost of R&R Plan has also reduced from 7.70 Crore to

7.12 Crore due to reduction in number of displaced families. An area of 3.945 ha has been identified at Village Keshopur, tehsil Jawar, district Sehore; with Khasra number 1/1/क. and tehsildar, Tehsil Jawar has been issued directive in this direction on 23/07/2020. Updated R&R Plan including copy of the directive issued by Tehsildar and layout plan for the resettlement colony is also enclosed.

- Name of villages with details which will be fully submerged and partially submerged: All the families of only one village i.e. Keshopur village will be displaced, however entire land of the village will not be affected. Total 81 households of 141 nuclear families of Keshopur village will be displaced requiring resettlement.
- PP has submitted Updated Muck Management Plan.
- Leakage detection plan and plan for protection against corrosion for MS pipes: For the corrosion prevention, MS pipe (Rising Main and Gravity Main) will be painted by epoxy paint internally and guniting at outside where the pipeline is underground. The pipeline exposed to the atmosphere will be painted by epoxy paint both inside and outside to prevent the corrosion. Distribution Network (Disnet) up to 2.5 ha chak is HDPE and the corrosion does not occur in the high-density polyethylene pipe (HDPE).
- Regarding for proposed grazing land development in the nearby degraded forest area with the consultation of local DFO : Grazing land will be identified in consultation with the concerned DFO and the funds required to develop the grazing land will be provided from the under CER head.
- Worst case scenario w.r.t. to settlements (such as village Haranyagaon) on the downstream of dam in case of dam collapse should be submitted- Dam break analysis has been carried out by one-dimensional modeling exercise using MIKE 11 model developed by Danish Hydraulic Institute (DHI). Flood routing has been carried out to simulate the movement of a dam break flood wave along area downstream of the dam that would flood as a result of dam failure. For dam break studies of Kanyakhedi Medium Irrigation Project, the river for a length of about 10.39 km downstream of the dam site up to confluence of Dudhi river with Newaj river has been represented in the model by numerous cross sections taken at a suitable interval. Based on the modeling study, it was assessed that the rise in water level along the river reach in dam breach condition varies 1.24 m to 2.17 m more (1.71 m on an average basis) at the centre of the river; in comparison to natural river condition. Under the worst case scenario of complete dam failure six villages will be partially affected viz. Haranyagaon, Kanyakhedi, Kalyanpura, Hajipur, Kurawar and Murawar. Water level increase has been estimated at village locations as up to 20cm at Harnyagaon, upto 15 cm at Kanyakhedi and up to 10cm at remaining villages. Once the project is implemented a

detailed Disaster Management Plan (DMP) shall be prepared A budget of Rs. 1.0 crore is proposed for the DMP.

- Under CER scheme with physical targets: The activity of providing water to Kheoni WLS through tube well with solar pump has been included in the CER plan and budget updated. The matter will be discussed with concerned DFO for location and land availability and accordingly activity will be implemented during project construction.
- Plantation in Command: Project doesn't involve diversion of forest land for any of the project components; therefore, compensatory afforestation will not be applicable. However, to improve green cover in the command, it is proposed that plantation in 6 ha in six different patches falling in 3 villages in non-forest waste land will be done with the help of forest department. Village wise details of 6 ha area identified in command for the proposed plantation under Biodiversity Conservation head.
- Green Belt Around Dam , approach roads, office and residential area : A total of 1.50 ha of green belt will be developed. Budget has been prepared for plantation and maintenance for 5 years @ Rs. 4.50 lakh per hectare (Rs. 3.00 lakh for first 2 years and Rs. 50,000.00 each for next 3 years) i.e. a total provision of Rs. 6.75 lakh has been made. Detailed plantation scheme will be prepared by implementing agency/ forest department and approved by competent authority.
- Catchment Area Treatment Plan has been prepared for the catchment of Dudhi Nala from its source till the dam site of Kanyakhedi Medium Irrigation Project (refer Annexure II). Treatment measures have been suggested under different Biological and Engineering measures. Biological measures include plantations in various patches of 35 ha. This 35 ha of area is to be undertaken for plantation under below mentioned components:
  - ❖ Normal Afforestation: 9 ha
  - ❖ Enrichment Plantation: 8 ha
  - ❖ Assisted Natural Regeneration: 15 ha
  - ❖ Energy Plantation: 3 ha
- PP also conducted a survey and submitted list of villagers who shall be benefitted by getting fruit bearing species of their choice.

Committee after deliberations and discussion asked PP to submit clarification/commitment, in the following points:

- PP's commitment that CAT plan in the forest area will be implemented only after the approval of concerned DFO.
- For implementation of CAT plan in the non- forest area consent of concerned farmers/villagers shall be obtained.

- Local/Native plant species with their numbers according to existing soil profile of project area shall be submitted.

PP submitted the reply on above issues vide letter dated 07/10/21 and same was placed before the committee. Committee evaluated the reply and found satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Kanyakhedi Medium Irrigation Project at Village - Haranyagaon, Tehsil - Jawar, Dist. Sehore, (MP). Cultivable Command Area - 2400 ha. Spread over 7 villages in Jawar tehsil of Sehore District , GCA- 3500 ha , Catchment Area- 107.69 Sq km , Dam Height – 17.69 Meter, Dam length -1770 Meter. Project Catogory-1(c) River Valley Project Category: 1(c) River Valley and Hydroelectric Projects with following conditions:

### **I. Statutory compliance:**

- i. 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 (if any ).
- ii. The project proponent shall obtain clearance from the National Board for Wildlife (if applicable).
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of any schedule-I species in the study area) .
- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee
- v. NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC (if applicable).
- vi. Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crore (if applicable).

### **II. Air quality monitoring and preservation**

- i. Regular monitoring of various environmental parameters viz., Water Quality, Ambient Air Quality and Noise levels as per the CPCB guidelines at designated locations shall be carried out on monthly basis and a detailed database of the same shall be prepared and recorded. This shall be used as a baseline data for



- post construction EIA / Monitoring purposes.
- ii. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed standards.
- iii. Necessary control measures such as water sprinkling arrangements, etc. are to be taken up to arrest fugitive dust at all the construction sites.

### **III. Water quality monitoring and preservation**

- i. Conjunctive use of surface water to be planned in the project to check water logging as well as to increase crops productivity. The field drains shall be connected with natural drainage system.
- ii. Remodeling of existing natural drains (link drains) and connecting them with irrigated land through constructed field drains, collector drains, etc. are to be ensured on priority basis.
- iii. Before impounding of the water, Cofferdams for both at the upstream and downstream are to be decommissioned as per EIA/EMP report so that once the project is commissioned; cofferdam should not create any adverse impact on water environment including the rock mass and muck used for the Cofferdam.
- iv. As the reservoir will be acting as balancing reservoir and there would be fluctuation of water level, efforts be made to reduce impact on aquatic life including impacts during spawning period both at the upstream and downstream of the project
- v. Water depth sensors shall be installed at suitable locations to monitor e-flow. Hourly data to be collected and converted to discharge data. The Gauge and Discharge data in the form of Excel Sheet be submitted to the Regional Office, MoEF & CC and to the CWC on weekly basis
- vi. Mixed irrigation shall be practiced and necessary awareness be given to all the farmers and trained in the use of such systems. Proper crops selection shall be carried out for making irrigation facility more effective.
- vii. On Farm Development (OFD) works like landscaping, land leveling, drainage facilities, field irrigation channels and farm roads, etc. should be taken up in phased manner prior to the start of irrigation in the entire command area. The Command Area Development Plan should be strictly implemented as proposed in the EIA/EMP report.

### **IV. Noise monitoring and prevention**

- i. All the equipment likely to generate high noise shall be appropriately enclosed or inbuilt noise enclosures be provided so as to meet the ambient noise standards as

notified under the Noise Pollution (Regulation and Control) Rules, 2000, as amended in 2010 under the Environment Protection Act (EPA), 1986.

- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time .

## **V. Waste Management**

- i. Total muck requiring disposal is only 21,556.56 m<sup>3</sup> will be generated along the pipeline.
- ii. Number of truck trips with 20m<sup>3</sup> per truck works out to be 1080; which is about 2 truck trips per day for 600 working days for laying of pipeline, out of 3 years of construction period. This will be achieved by engaging 1-2 dumper trips per day.
- iii. Muck will be disposed off at nearby villages with due consent of local administration/gram panchayat. As the pipeline passes along the villages, villages will fall within 1-5 Km along the route of pipeline.
- iv. Solid waste management should be planned in details. Land filling of plastic waste shall be avoided and instead be used for various purposes as envisaged in the EIA/EMP reports. Efforts be made to avoid one time use of plastics.

## **VI. Green Belt, EMP Cost, Fisheries and Wildlife Management**

- i. Under the different heads of Environment Management Plan, it has been proposed to undertake compensatory plantation in an area of total 42.5 ha. as follows:

<b>Head</b>	<b>Area (in ha)</b>
Biodiversity Conservation	6
Green Belt Development	1.5
CAT Plan	35

- ii. A total of 6 ha. of green belt will be developed. Budget has been prepared for plantation and maintenance for 5 years. Detailed plantation scheme will be prepared by implementing agency/ forest department and approved by competent authority.

<b>S. No.</b>	<b>Village</b>	<b>Survey Number</b>	<b>Land Use</b>	<b>Total Area (ha)</b>	<b>Area to be Planted (ha)</b>
1	Arniyagazi	746/2	Pathar Govt.	11.532	2.518

2	Kalyanpura	603	Govt.	0.214	0.214
		616	Govt.	0.392	0.392
		376/2	Govt.	1.419	1.419
3	Kanyakhedi	31	Govt. Other	1.149	1.149
		247	Govt. Other	0.308	0.308
Total					6.000

- iii. Plantation at the Dam site on either bank has been proposed for control of erosion and siltation of the stream and aesthetic importance.
- iv. Plantation around the residential and office complex as well as along the roadside on approach roads to dam and office area is also proposed to be done so that greenery is developed. Plantation of avenue, ornamental and fruit trees is proposed in these areas along with the periphery area around residential complex. A total of about 1.50 ha will be developed as green belt around dam, approach roads, office, residential areas etc.
- v. During excavation care will be taken that top fertile soil is kept aside and will not be used for filling the excavated area after laying pipe line. This top soil will be spread on adjoining farming fields with consent of farmers or alternatively will be used for green belt development.
- vi. Based on the recommendation of Cumulative Impact Assessment and Carrying capacity study of river basin or as per the ToR conditions or minimum 15% of the average flow of four consecutive leanest months, whichever value is higher, shall be released as environmental flow.
- vii. Detailed information on species composition particular to fish species from previous study/literature be inventoried and proper management plan shall be prepared for in-situ conservation in the streams, tributaries of river and the main river itself for which adequate budget provision be made and followed strictly.
- viii. Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented in consultation with the local State Forest Department if applicable.
- ix. To enrich the habitat of the project site, plantation shall be raised as envisaged in the EIA/EMP report. Plantation to be developed along the periphery of the reservoir in multi-layers with local indigenous species in consultation with the local State Forest Department.
- x. Compensatory forestation programme shall be implemented as per the plan approved.
- xi. Fish ladder/pass as envisaged in the EIA/EMP report shall be provided for migration of fishes. Regular monitoring of this facility be carried out to ensure its

effectiveness.

## VII. Human health issues

- i. Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt.
- ii. Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.
- iii. Preventive measures viz. fuming and spraying of mosquito control shall be done in and around the labour colonies, affected villages, stagnated pools, etc. Provisions be made to not to create any stagnated pools to avoid creation of breeding grounds of the vector borne diseases
- 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. Labour force to be engaged for construction works shall be examined thoroughly and adequately treated before issuing them work permit. Medical facilities shall be provided at the construction sites.
- vi. Early Warning Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast.
- vii. Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Dam Break Analysis.

## VIII. EMP & CER

- i. A budgetary provision of Rs. 2135.77 Lakh is made for Environmental Management Plan as capital cost and Rs 4601.27 lakh as recurring cost.
- ii. Under CER the (Rs. 85 lakhs) PP has proposed following activities which shall be completed initial 03 years-:

S.No.	Component	Amount (Rs. in lakh)
1.	Education & Medical Facilities in Village schools & primary health centers	20.00
2.	Development of Grazing land	5.00
3.	Provision of water supply to Kheoni WLS through tube-well with Solar Pump	10.00
4.	Plantation of local palatable mixture of annual and perennial grass and fodder tree species for grassland/fodder	5.00

	development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land	
5.	Solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup, Skill development for using Katang Bamboo as raw material, Distribution of fruit bearing species etc.	25.00
6.	Sowing of medicinal plants (herbs & shrubs species like Ashwagandha, Kalmegh etc.)	2.50
7.	Distribution of fruit bearing species for nearby villagers	2.50
8.	Development of Biodiversity rich area comprising of local forest species including trees, herbs, shrubs and climbers including that in willing local colleges where land is available.	15.00
	<b>TOTAL</b>	<b>Rs. 85.00 Lakhs</b>

- iii. As PP's commitment, Bio-diversity conservation plan shall be implemented through Forest Department and optimum funds shall be released. PP will also identify local college and propose development of green belt on the available land under CER.
- iv. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- v. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- vi. 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.

- vii. Post EIA and SIA be prepared for the project through a third party and evaluation report be submitted to the Ministry after five years of commissioning of the project.
- viii. Multi Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc. to oversee implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report of the Committee shall be uploaded in the website of the Company.
- ix. Formation of Water User Association/Co-operative be made by involvement of the whole community be ensured for discipline use of available water for irrigation purposes.

## **IX. Miscellaneous**

- i. Considering the shifting of huge volume of muck, which will be generated during the construction phase, project proponent shall construct pucca transportation road(s), from muck generation site(s) to the dumping site(s).
- ii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iii. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- iv. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company
- v. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- vi. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- vii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- viii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change

(MoEF&CC).

- ix. 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.
- x. 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.

**3. Case No 8382/2021 Divisional Manager, Vidisha Medical College, Sagar Road Near Bina, Bhopal Railway Line , Vidisha, Prior Environment Clearance for Construction of 750 Bedded Govt. Hospital & 150 Seated Medical College at Khasra No. 732/1, 736/1, 737/1, 738/1. 739/1, 740/1, 741/1 742/1, 743/1, 755/2, 756/2, 757/2, 758/2 | Total Plot Area – 10.969 ha, Total Built-up Area - 63520.0 sqm) at Sagar Road near Bina - Bhopal Railway Line, Dist. Vidisha (MP) Cat. - 8(a) Building Construction Project. Env. Con. - OCEAO Enviro Management Solutions (India) Pvt. Ltd., Ghaziabad (U.P.).**

This is case of Environment Clearance for Construction of 750 Badded Govt. Hospital & 150 Seated Medical College at Khasra No. 732/1, 736/1, 737/1, 738/1. 739/1, 740/1, 741/1 742/1, 743/1, 755/2, 756/2, 757/2, 758/2, [ Total Plot Area - 109690.0 sqm, Total Built-up Area - 63520.0 sqm] at Sagar Road near Bina - Bhopal Railway Line, Dist. Vidisha (MP).

**Brief Summary of the project:**

Taking into consideration the growing medical needs of the people of District, the Government of M.P. (Health Deptt.) planned to construct Atal Bihari Vajpayee Government Medical College, Vidisha, located at Vidisha, M.P. The total cost of the project is approx. 300 Crores (including Intuitional part and Hospital component). The Medical College (medical college) includes hospital, residential, institutional. Project is of Health Department and the construction is undertaken by MPRDC. MPRDC had already constructed “750 Bedded Hospital and 150 seated Medical college” project with a hospital, institutional and residential facility at Sagar Road Near Bina-Bhopal railway Line, Dist Vidisha, Madhya Pradesh.

- The total area for the Medical College with hospital is 10.969 ha i.e. 109690 sq.m as per land documents allotted by state Govt.
- The total area designated for Hospital as per T&CP is 9350 sqm.
- The total area designated for Institutional and the residential part is 1,00,340 sq.m.
- Built up area of the hospital building is 63520 SQ.M i.e. is greater than 20000 sq.m which attracts the EIA notification 2006 and its amendments thereof, therefore we are seeking an prior Environment Clearance for Hospital building only which have a built up area 63,520 sq.m including all FAR, Non FAR and other services and Medical college is attended with the sustainable features.
- As per notification 22nd December 2014 (S.O 3252 (E)) for 8(a) Building and construction projects in column 5, Note 1. states that The projects or activities shall not include industrial shed, school, college, hostel for educational institution, but such buildings shall ensure sustainable environmental management, solid and liquid waste management, rain water harvesting and may use recycled material such as fly ash bricks for EC.
- As per OM F.No. 19-2/2013-IA-III dated 9th June 2015 of MoEF&CC, in the second Para of clarification states that in case of medical universities/institutes the component of hospitals will continue to require prior Environment Clearance.
- Project Proponent had constructed the whole facility without seeking the prior environment Clearance hence the proposal for seeking Environment Clearance is post facto and tantamount to the violation of the EIA notification 14.09.2006 under EPA act 1986.
- Based upon the same the hospital was applied for the grant for TOR under the violation category proposals.
- The Layout was approved by T&CP vide letter dated 306-310 dated 12.02.2016 and the construction started after plans approval. The project was completed in 2020, i.e. 4 years of time span for construction.

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

- The proposal was submitted to MoEF&CC on 21.02.2018 for TOR as a violation case vide proposal no. IA/MP/NCP/72423/2018 which was in between the two window periods. The proposal was lying pending with MoEF&CC. During review meeting held on 18.11.2020 for these type of pending proposals, the Violation sector, secretary, MoEF&CC decided to transfer these type of proposal to respective



states. Proposal had been transferred to state i.e. SEIAA, M.P. vide letter F.No 19-90/2020-IA.III-Part(1) dated 1.03.2021 to take necessary action as per Ministry notification dated 14.03.2017. Henceforth, application has been submitted to SEIAA, MP SIA/MP/NCP/31840/2019 dated 17.03.2021 for further course of action.

- The comparative details are as follows for both the applications are mentioned below:

S.N o	Proposal No date	Proposal name	Area Statement	Remarks
1.	IA/MP/NCP /72423/2018 dated 21.02.2018	150 seats Medical College & 750 Beds Hospital at Vidisha (M.P) by MPRDC	Total Plot area – 10.967 Ha  Built-up area – 1,16,470 sq.m	
2.	SIA/MP/NC P/31840/2019 dated 17.03.2021	750 Bedded Govt Hospital and 150 Seated Medical college by MPRDC	Total Plot area – 10.969 Ha  Built-up area – 63,520.00 sq.m	The typo error of the plot area has been corrected in this application as per the land allotment by DC Vidisha. The Built up area is reduced from the earlier application , as the proposal is considered for Hospital component only as per OM dated 9.06.2015 & 22.12.2014 issued by MoEF&CC.

### **Salient Features of the Project**

S. No.	Description	Quantity	Units
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#### **AREA DETAILS**

1	Total plot area of Medical College	109690	Sq m
2	Total plot area of Hospital Building in VIDISHA Medical College	9350	Sq m
3	Total Built Up Area (BUA) for Hospital Building	63520	Sq m
4	Green Area (30.40% of the total plot Area)	32907	Sq m
5	Max. height of building (up to terrace level )	22	M

### **WATER AND WASTEWATER REQUIREMENTS**

6	Total Water Requirement	653	KLD
7	Total Fresh Water Demand	331.5	KLD
8	Total Treated Water Demand	321.5	KLD
9	Wastewater/ Sullage Generation	362	KLD
10	STP capacity + ETP capacity	400 + 100	KLD
11	No. of Rainwater Harvesting Pits Proposed	10	No's

**PARKING**

13	Parking Provided	425 ECS & 5 Ambulances dedicated parking	ECS
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**POWER**

15	Total Power Requirement	5000	kVA
16	Total Transformers proposed	6	MVA
17	Total DG Set proposed	2 x 1250	kVA
18	Power Source	MP State Electricity Board	

Earlier this case was scheduled for presentation and discussion in 493rd SEAC dated 23/03/2021 wherein ToR (violation) was recommended.

PP has submitted the EIA report vide letter No. 25924 dated 19/7/2021 which was forwarded through SEIAA vide letter no. 1514 dated 20/7/2021, which was placed before the committee.

The EIA was presented by PP and their consultant in the SEAC 506<sup>th</sup> meeting dated 09.08.2021. During presentation PP submits the following salient features of this project:

- Total plot area of VIDISHA Medical College – 10.969 Ha (27.1 acres) (medical college + hospital component). Total plot area of Hospital Building within VIDISHA Medical College - 9350 (2.31 acres).
- Location: Khasra No .732/1, 736/1, 737/1, 738/1, 739/1, 740/1, 741/1, 742/1, 743/1, 755/2, 756/2, 757/2, 758/1 at Sagar Road Near Bina-Bhopal Railway Line, District- Vidisha, Madhya Pradesh
- Built up area of the hospital building is 63520 sq.m. i.e. is greater than 20000 sq.m. which attracts the EIA notification, 2006 and its amendments thereof, therefore we

are seeking an Environment Clearance for Hospital building only which have a built up area 63,520 sq.m. Including all FAR, Non FAR and other services and Medical college is attended with the sustainable features.

- The proposal is submitted to SEIAA/SEAC, Madhya Pradesh for grant of TOR under MoEF&CC notification 14.03.2017, 18.03.2018 & 09.09.2020 as a lateral entry proposal.
- As per notification 22<sup>nd</sup> December 2014 (S.O 3252 (E)) for 8(a) Building and construction projects in column 5, Note 1. states that - the projects or activities shall not include industrial shed, school, college, hostel for educational institution, but such buildings shall ensure sustainable environmental management, solid and liquid waste management, rainwater harvesting and may use recycled material such as fly ash bricks for EC.
- As per OM F.No. 19-2/2013-IA-III dated 9<sup>th</sup> June 2015 of MoEF&CC, in the second Para of clarification states that in case of medical universities/institutes the component of hospitals will continue to require prior Environment Clearance.
- Maximum no. of proposed floors is Single Basement + G+6 with Building viz. Hospital Building, ESS & UGT, Guard room, STP & ETP, mortuary, incinerator and cancer units.
- Estimated cost of project is Rs. 200 Crores. (Hospital component only)

PP further submitted that construction of hospital has been completed and medical college is in operation, but no OPD is being carried out. During presentation there was no clarity that which part of the project is common in hospital and medical college and how the volume of proposed facilities is calculated and whether the proposed systems are sufficient or not considering cumulative load. After presentation and deliberation it was observed by the committee that the remediation's plan and natural community resource augmentation plan submitted by PP needs to be revised as follows:

1. Natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation shall be bifurcated in capital and recurring cost of both the phases (construction & operation phase). No proposals are given for community resource augmentation plan. It should also be noted that all the compliance shall be supported by documentary proofs, such as bills, order copies of machineries, completion certificates, photographs, CA audit etc. In the absence of above supporting documents the proposed Natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation could not be assessed and needs to be presented again.
2. A detailed traffic management and traffic circulation plan is to be submitted

considering traffic load of both hospital and Medical College. PP may also explore the possibility of providing vertical mechanical parking considering space constraints and battery operated carts for reducing number of individual vehicles within project boundary.

3. Dual plumbing system Plan with relevant photographs should be submitted.
4. All maps shall be submitted on bigger size sheet so that proposed plans are legible.
5. Justify, 37.5 KLD water is proposed for horticulture, where horticulture is proposed?
6. There shall be clarity in backup calculations that which part of the project is common in hospital and medical college and how the volume of proposed facilities is calculated and whether the proposed systems (ETP, STP, Laundry, OT waste, mortuary waste, MSW storage etc) are sufficient considering cumulative load. Thus revised backup calculations of all the demand such as fresh water, generated waste water etc shall be submitted considering both the medical college and hospital as one project. If medical college has separate facilities then the same shall be detailed out.
7. Justify the criteria for selection of MBBR technology for waste water treatment.
8. Details of hazardous wastes generated and their disposal plan.
9. Why classification of fauna not done? Please submit fauna classification.
10. Value of PM10 is above prescribed standards thus its mitigation plan shall be submitted.
11. Details of laundry if proposed and its management plan should be submitted.
12. Why incinerator proposed in the project when copy of agreement made with facility provider is submitted for disposal of Bio-medical wastes. Please justify?
13. Copy of CGWB NOC should be submitted as proposed water supply partially by Ground Water.
14. Copy of fire NOC and location of fire hydrants on map and fire tender circulation plan should be submitted.
15. Why classification of flora and fauna has not been done. (Peafowl is mentioned in the EIA report).
16. Revised plantation scheme as suggested by committee during presentation (adding species such as Kadamb, Molshree, Kachnar, Putranjiva, Pride of india etc) and dense plantation (wood log preferably using “Miyawaki Technique”) shall be developed.
17. Details regarding fire safety should be provided along with layout plan of uninterrupted circular movement of fire tender(s).

PP vide their letter dated 06/09/2021 submitted query reply on Ministry's Parivesh Portal as well as hard copy. Wherein PP has submitted that they have included all query and commitments made in the SEAC 506<sup>th</sup> meeting dated 09.08.2021, along with remediation plan along with natural resources and community augmentation plan with revised budget.

In 514<sup>th</sup> SEAC meeting dated 21/09/21, query reply was presented by the PP and their consultant wherein committee deliberated on natural resources and community augmentation plan with revised budgetary allocations and other queries raised in the SEAC 506<sup>th</sup> meeting dated 09.08.2021. During discussion, PP submitted that as suggested by the committee they have revised the calculations of various requirements, submitted copies of required NOC's as follows:

- Total parking provided for the Medical campus including the residents, staff and visitors and public use i.e. 444 ECS for Four wheelers and 814 Two wheeler parking.
- The breakup of the parking details along with the plan with areas of parking earmarked.
- The project is a Govt. initiative with a limited sanctioned budget for increasing the medical facility in the area. There is adequate parking provided for catering the parking needs. Hence, the proposal for the vertical parking will not be techno economic viable.
- Dual Plumbing has been implemented in the project site. Wastewater line and treated water line has been laid down.
- The recycled treated water is thus reused for the flushing purposes and Landscaping for the minimization of the fresh water requirement.
- Brief Write-up for the selection of the MBBR technology for wastewater treatment. Technology. Presently the STP of 400 KLD and ETP of 100 KLD had already been installed.
- PP has applied to CGWA vide letter dated 13.07.2015 acknowledgement attached.
- Fire NOC has been obtained vide letter no 6100000018/FNOC/COL/2021/9416 dated 29-Jan-21.
- Recommended plantation species such as Kadamb, Molshree, Kachnar, Pride of India etc. will be developed within or outside the periphery of the project site.
- The revised proposed budgetary plan is given below:

Summary of the Remediation Budgetary plan					
S. no	Particulars	Phase	Capital	Recurring	
1	Remediation plan cost	Construction phase	0	324400	INR
2		Operation Phase	406500	200000	INR
	Natural Resource and Community Augmentation cost	Natural Resource	482750	100000	INR
3		Community Augmentation			
		TOTAL Cost	889250	624400	INR
<b>TOTAL Budget Implemented (Bank Guarantee amount)</b>				<b>15,13,650</b>	<b>INR</b>

**DURING CONSTRUCTION PHASE**

S.N o.	Environment Aspects	Remediation / Mitigation Measures already adopted	Cost Analysis	Capital cost (INR)	Recurring (INR)
1	Land Use	NA	NA	0	0
2	Baseline	Not adopted any measures	<p><b><u>Total : 324400/-</u></b></p> <p><b><u>The cost will be considered for 4 years</u></b></p> <p>1. AAQ -2 samples per year 24 hourly sampling project site half Yearly= 4000/-*2 =8000/-</p> <p>2. WQ -2 samples per year Drinking water sample half yearly = 3500/-*2 = 7000/-</p> <p>3. NQ 2 samples per year day and night at the project site per half year = 1800/-*2=3600/-</p> <p>4. SQ 2 samples per year from the project site = 3500/-*2=7000/-</p>	0	324400

			<p>5. DG Stack analysis = 3500/-</p> <p>6. 12 samples in a year ETP/STP inlet and outlet sampling = 12*3500/- = 42000/-</p> <p>6. Lab equipments mobilisation &amp; TA/DA = 10000/-</p>		
3	Air Environment	<p>a. Site was enclosed with barricade along the project boundary.</p> <p>b. Water sprinkling was done.</p> <p>c. Transportation of construction material and excavated earth was done through covered trucks.</p> <p>e. Roads leading to project site were paved.</p> <p>f. Speed of the vehicles was restricted (20 kmph) within project site.</p> <p>g. Tree plantation initiated from construction phase.</p> <p>h. Proper Maintenance of construction equipment/ machineries, etc</p>	<p><b><u>Total : 6,43,000/-</u></b></p> <p>Dust Suppression 1000 Rs per tanker x 2 tankers/week x seven months x 3 years = 168000/-</p> <p>Barrication = 1500 m x 250 Rs /m = 375000/-</p> <p>temporary Pavement of Roads = 100000 /-</p>	0	0
4	Water Environment	<p>a.Site was supplied by the fresh water from nearby drinking source .</p> <p>b. STP water treating the IS standards for construction was used for curing and other construction purposes</p> <p>c. Pits were made to store the RW during construction and used for construction</p> <p>d. Storage of bituminous material on the hard paved surface so that nothing can</p>	<p><b><u>Total: 6,48,000/-</u></b></p> <p>Purchase of drinking water @ 7.5 LPCD for 300 workers x 300 days x 4 years = 540000/-</p> <p>Testing of drinking water =48000/-</p> <p>Wastewater disposal @ 6 TANKERS/YR X 2500/tanker for four years = 60000/-</p>	0	0

		form leachate e. Septic tanks with soak pits formed for the labour camps			
5	Noise Environment	a. Site was enclosed with barricade along the project boundary. b. PPEs were provided to labor exposed to high intensity noise level. c. Acoustically enclosed DG sets were used. d. Tree plantation initiated from construction phase.	<b><u>Total : 200000/-</u></b>  Noise breakers during construction phase = cost already considered above Health Checkup during Construction phase @ 50000/- per camp = 200000/-	0	0
6	Soil Environment	a. Construction yards were provided for storage of construction material within site. b. Top soil was stored at site and used for landscape development. c. Excavated soil (40000 MT) was utilized for refilling at project site. Surplus soil was backfilled. d. Erosion controls have been adopted	<b><u>Total: 50000/-</u></b>  Top Soil Management = 50000/-	0	0
7	Waste Management	Approx. .150 kg/ day of organic waste, non-biodegradable waste 70 kg & biodegradable Waste = 150 kg/day was given to Municipal authorities	<b><u>Total:100000/-</u></b>  Disposal of solid waste during construction phase = 100000/-	0	0



8	Ecological Environment	a. No forest land involved & tree cutting is involved - NOC,s obtained b. No Ecosensitive area present nearby the project site	NIL	0	0
9	Socio economic environment	1. Local 250 No labours were hired and 50 outside labours. 2. Hutments ,cooking facilities,electricity,water ,sewerage,medical and creche facilities provided 3. No accidents happened during construction of the building 4.All the labour compliances were fulfilled by the contractor	<b><u>Total: 150000/-</u></b> Labour Welfare i.e Rest shelters,camps,toilets ,canteen (Lumpsum) = 4 years	0	0
10	Topography and Natural Drainage	1. No natural water body present at the site 2. Levelling was done to maintain the gradient of the flow of the stromwater and the wastewater inline to the natural slope to minimise the energy consumption.	NIL	0	0
Total					3,24,400

**Summary of the construction phase of Remediation plan**

<b>a</b>	<b>Total cost already incurred under heads (1+3+4+5+6+7+8+9+10)</b>	<b>17,91,000/- (seventeen Lakhs Ninety One thousand only)</b>
<b>b</b>	<b>Total Cost to be incurred under heads (2)</b>	<b>3,24,400/- (Three lakhs twenty four thousand four hundred only)</b>

**During Operational Phase**

<b>S. No .</b>	<b>Environment Aspects</b>	<b>Components covered under Aspects</b>	<b>Environment Impacts</b>	<b>Remediation / Mitigation Measures to be adopted</b>	<b>Cost Analysis</b>	<b>Capital cost (INR)</b>	<b>Recurri ng (INR)</b>
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1	Air Environment	1. Emission from vehicular traffic in use. 2. Power generation by DG Set during power failure.	Air Pollution & Air quality degradation	1. Enhanced Green belt to be developed with increase in number of trees. 2. Maintenance of the extra trees to be planted 3. Grass paving the open parking surface for reducing PM10.	Cost of trees to be planted in next 5 years: Total 500 trees including maintenance; 100 per year @ 300/- per tree = 1,50,000/-	120000	30000
2	Eco-sensitive settlements , R&R issues , Land acquisition	1.R&R 2.Land Acquisition 3.Litigations 4.Ecosensitive area	No such issues identified	NA	NA	0	0
3	Water Environment	1. Discharge of sullage of Hospital and medical college to STP. 2. Treatment of hospital effluent to ETP 2. Natural resource depletion 3. Minimization of freshwater requirement. 4. Rain water harvesting 5. wastewater treatment	Water Pollution & Water quality degradation	1. Adoption of abundant 2 No. bores or well nearby to convert to artificial recharge structures	Adoption of abandon 2 No. bores or well nearby to convert to artificial recharge structures including Maintenance = 50000/- * 2 No	100000	20000

4	Ecological Environment	Flora and Fauna ,Green belt development	Ecology & Biodiversity imbalance	Additional 500 trees proposed .Refer section 1	Distribution of saplings to nearby farmers @10 sap (INR 40 per sap) per farmer to 50 farmers * 3 years		60000
5	Noise Environment	1.Noise from vehicle movements 2.Operation of DG sets	Noise Pollution	Health Checkup camp Once a year in the nearby rural area within 10 km radius	Health Checkup camps = 50000/- per year for two years	50000	50000
6	Socio economic environment	Demographic s of the local region Existing social infrastructure effect on local communities	Socio-economic status	NIL	0	0	0
7	Soil Environment	1. Municipal solid waste 2.used oil from D.G. sets	Soil Contamination	1. Additional Dustbins to be provided in the nearby rural areas 2. Distribution of Manure to Nearby agricultural farmers.	1. Distribution of Manures to nearby Farmers @ 10000/- Rs per Year for five Years = 50000/-	10000	40000
8	Aesthetics	1. Scenic views/Orientation of the project w.r.t local area	Natural beauty damage	Project had been designed beautifully to increase the aesthetic value of that area. The project includes state of art materials and its design helps to improve the scenic views	NIL	0	0

9	Energy Conservation	1. Use of Renewable and non renewable energy 2. Energy savings with different technologies 3. Other sustainable practices	Climate Change & other unsustainable conditions	1. SRI paints will be done to the fully exposed to open sky paved surfaces which do not have any partial shading to reduce the heat transmission load.	1. SRI Paints @ Rs 585 /Litre x 100 Liters = 58500/-	58500	0
10	Waste management	1. Solid waste generation 2. Solid waste management 3. Hazardous waste management	Land, Air and water pollution	1. Extra colour coded dustbins will be provided for the waste collections 2. OWC will be installed to manage the organic waste in-house 3. Used oil will be sent to the authorised recyclers 4. Battery waste and other e-waste will be considered for by back policy 5. Used oils from Kitchen will also be sent to the authorised recyclers 6. Signboards and signage's will be installed 7. It will be	1. Additional colour coded Dustbins 6 NO. in the nearby schools or other identified common place like sabji Mandi @ 3000/- per piece = 18000/-	18000	0

				handed over to authorized processor.			
11	Environmental Accident or any Disaster Management	Fire fighting and Natural Disasters	Environment, Human Life Damage	NA	1. Deliberation of Fire Fighting Trainings or Drills in the rural community in conjunction with the local Fire commissioner of the area or Deliberation of Disaster management training in case of flood/ Earhquake in conjunction with the State Disaster Management Authority. (Lumpsum fees of Trainigs)	50000	0
12	Pandemics	Oxygen Plants	Health impact due to Pandamic	NA	NA	0	0
<b>Total</b>						<b>406500</b>	<b>200000</b>

**Summary of the Operation phase of Remediation plan**

<b>a</b>	<b>Total cost under heads (1-16)</b>	<b>6,06,500/- ( Six lakhs Six thousand five hundred) INR</b>
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**Community Augmentation Plan**

<b>S.No.</b>	<b>Environment Aspects</b>	<b>Remediation / Mitigation Measures to be adopted</b>	<b>Cost Analysis</b>	<b>Capital cost (INR)</b>	<b>Recurring (INR)</b>
1	Community Augmentation	1. Maintainence of the already existing sulabh sauchalaya . 2. Construction of additional Sulabh Sauchalaya nearby the	Construction of additional Sulabh Sauchalaya nearby the railway station or any other identified public area. = 200000/-	200000	50000

		railway station or any other identified public area. 3. Arrangement of the Health check-up camps in the nearby 1 villages in the radius of 15 km and provide free preliminary doctors advice in conjunction with the CMO of the area	Maintainence of these toilets = 10000/- for five years		
2	Community Augmentation	Trainings, Audits, Policy, Planning, documents preparation etc. Trainings, campaigns and awareness programs to nearby rural areas related to	Consultant/NGO/Trainer fees	50000	50000
3	Natural Resource	Installation of 5 No of Solar Lights in the school	5 Lights @ 16550/- per light in the near by Govt. School	82750	0
4	Natural Resource	Maintenance of Neemtal through soil conservation and stabilization, greening of embankment	Labour cost/plantation cost/ stabilization cost etc.	150000	0
			<b>Total</b>	<b>482750</b>	<b>100000</b>

**Summary of the community augmentation plan**

<b>a</b>	<b>Total cost under heads (1-4)</b>	<b>5,82,750/- Five Lakhs Eighty Two thousand seven hundred fifty only/-</b>
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During presentation PP submitted that initially, municipality has denied for providing fresh water for this project and thus they have applied for CGWB permission, but recently, they have agreed to supply fresh water for this project. During presentation it was observed by the committee that inspite of so many advises and suggestions in the SEAC 506<sup>th</sup> meeting dated 09.08.2021, still the proposal needs some clarifications which reflects casual approach for the project appraisal. After presentation and discussions following information was asked to submit by PP:

1. Certificate of expenditure shall be signed and issued by Chartered Accountant in place of project coordinator.

2. Documentary evidence that fresh water will be provide by Nagar Palika Nigam.
3. Identify the location of bore well which is proposed to be recharged as the same is located outside of project boundary.
4. Specify the name of village where plantation and CER activities will be taken up.
5. Fund proposed in remediation plan for noise pollution may be diverted to other useful activities such as adopting wild animals (Tiger, Lion etc.) in Van-Vihar National Park, Bhopal and the dense plantation around Udaigiri caves at Vidisha and suitable proposal shall be submitted.
6. PP's commitment that auditorium and TLCC (Cancer Block) now will not be constructed as area marked for these utilities is now shown as additional parking area in the revised lay out.
7. Submitted revised Fauna classification is inadequate and same shall be revised in line with existing working plan of Vidisha District or Biodiversity Board published by forest department.
8. Add Neem tree in the plantation species.
9. Bifurcation of inlet sources of 100 KLD ETP and 400KLD of STP waste water.
10. Commitment that distribution of saplings to the nearby farmers will be will be completed in the first year.

PP vide their letter dated 30/09/2021 submitted query reply on Ministry's Parivesh Portal as well as hard copy. Wherein PP has submitted, that they have included all query and commitments made in the SEAC 506<sup>th</sup> & 514<sup>th</sup> meeting dated 09.08.2021 & 21.09.2021, along with remediation plan along with natural resources and community augmentation plan with revised budget. The query reply was presented in the 514<sup>th</sup> SEAC meeting dated 21-09-21. by the Mr. Krishan Chandra Panda & Mr. Akash Agarwal from M/s OCEAO-ENVIRO Management Solutions (India) Private Limited , Gaziabad U.P. along with PP , Mr. M.H. Rizvi, Divisional Manager, wherein PP showed natural resources and community augmentation plan with revised budget and other query and commitments raised in the SEAC 506<sup>th</sup> & 514<sup>th</sup> meeting dated 09.08.2021 & 21.09.2021. PP further submitted following point:

- Total parking provided for the Medical campus including the residents, staff and visitors and public use i.e. 444 ECS for Four wheelers and 814 two wheeler parking.
- The breakup of the parking details along with the plan with areas of parking earmarked.
- The project is a Govt. initiative with a limited sanctioned budget for increasing the medical facility in the area. There is adequate parking provided for catering the parking needs. Hence, the proposal for the vertical parking will not be techno economic viable.

- Dual Plumbing has been implemented in the project site. Wastewater line and treated water line has been laid down.
- The recycled treated water is thus reused for the flushing purposes and Landscaping for the minimization of the fresh water requirement.
- Brief Write-up for the selection of the MBBR technology for wastewater treatment: Presently the STP of 400 KLD and ETP of 100 KLD had already been installed.
- PP has applied to CGWA vide letter dated 13.07.2015.
- Fire NOC has been obtained vide letter no 6100000018/FNOC/COL/2021/9416 dated 29-Jan-21.
- Recommended plantation species such as Kadamb, Maulshree, Kachnar, Pride of India etc. will be developed within or outside the periphery of the project site.
- Revised and updated Natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits :

**The revised proposed budgetary plan is given below:**

<b>Summary of the Remediation Budgetary plan</b>					
<b>S. no</b>	<b>Particulars</b>	<b>Phase</b>	<b>Capital</b>	<b>Recurring</b>	
1	Remediation plan cost	Construction phase	0	324400	INR
2		Operation Phase	406500	200000	INR
	Natural Resource and Community Augmentation cost	Natural Resource	482750	100000	INR
3		Community Augmentation			
		TOTAL Cost	889250	624400	INR
<b>TOTAL Budget Implemented (Bank Guarantee amount)</b>				<b>15,13,650</b>	<b>INR</b>

**DURING CONSTRUCTION PHASE**

<b>S.N o.</b>	<b>Environment Aspects</b>	<b>Remediation / Mitigation Measures already adopted</b>	<b>Cost Analysis</b>	<b>Capital cost (INR)</b>	<b>Recurring (INR)</b>
1	Land Use	NA	NA	0	0



2	Baseline	Not adopted any measures	<p><b><u>Total : 324400/-</u></b></p> <p><b><u>The cost will be considered for 4 years</u></b></p> <p>1. AAQ -2 samples per year 24 hourly sampling project site half Yearly= 4000/-*2 =8000/-</p> <p>2. WQ -2 samples per year Drinking water sample half yearly = 3500/-*2 = 7000/-</p> <p>3. NQ 2 samples per year day and night at the project site per half year = 1800/-*2=3600/-</p> <p>4. SQ 2 samples per year from the project site = 3500/-*2=7000/-</p> <p>5. DG Stack analysis = 3500/-</p> <p>6. 12 samples in a year ETP/STP inlet and outlet sampling = 12*3500/- = 42000/-</p> <p>6. Lab equipments mobilisation &amp; TA/DA = 10000/-</p>	0	324400
3	Air Environment	<p>a. Site was enclosed with barricade along the project boundary.</p> <p>b. Water sprinkling was done.</p> <p>c. Transportation of construction material and excavated earth was done through covered trucks.</p> <p>e. Roads leading to project site were paved.</p> <p>f. Speed of the vehicles was restricted (20 kmph) within</p>	<p><b><u>Total : 6,43,000/-</u></b></p> <p>Dust Suppression 1000 Rs per tanker x 2 tankers/week x seven months x 3 yeas = 168000/-</p> <p>Barrication = 1500 m x 250 Rs /m = 375000/-</p> <p>temporary Pavement of Roads = 100000 /-</p>	0	0

		project site. g. Tree plantation initiated from construction phase. h. Proper Maintenance of construction equipment/ machineries, etc			
4	Water Environment	a.Site was supplied by the fresh water from nearby drinking source . b. STP water treating the IS standards for construction was used for curing and other construction purposes c. Pits were made to store the RW during construction and used for construction d. Storage of bituminous material on the hard paved surface so that nothing can form leachate e. Septic tanks with soak pits formed for the labour camps	<b><u>Total: 6,48,000/-</u></b>  Purchase of drinking water @ 7.5 LPCD for 300 workers x 300 days x 4 years = <b>540000/-</b> Testing of drinking water =48000/- Wastewater disposal @ 6 TANKERS/YR X 2500/tanker for four years = 60000/-	0	0
5	Noise Environment	a. Site was enclosed with barricade along the project boundary. b. PPEs were provided to labor exposed to high intensity noise level. c. Acoustically enclosed DG sets were used. d. Tree plantation initiated from construction phase.	<b><u>Total : 200000/-</u></b>  Noise breakers during construction phase = cost already considered above Health Checkup during Construction phase @ 50000/- per camp = 200000/-	0	0
6	Soil Environment	a. Construction yards were provided for storage of construction material within site. b. Top soil was stored at site and used for landscape development. c. Excavated soil (40000 MT) was utilized for refilling at project site. Surplus soil was backfilled. d.Erosion controls have been adopted	<b><u>Total: 50000/-</u></b>  Top Soil Management = 50000/-	0	0

7	Waste Management	Approx. .150 kg/ day of organic waste, non-biodegradable waste 70 kg & biodegradable Waste = 150 kg/day was given to Municipal authorities	<b><u>Total:100000/-</u></b>  Disposal of solid waste during construction phase = 100000/-	0	0
8	Ecological Environment	a. No forest land involved & tree cutting is involved - NOC,s obtained b. No Ecosensitive area present nearby the project site	NIL	0	0
9	Socio economic environment	1. Local 250 No labours were hired and 50 outside labours. 2. Hutments ,cooking facilities,electricity,water ,sewerage,medical and creche facilities provided 3. No accidents happened during construction of the building 4.All the labour compliances were fulfilled by the contractor	<b><u>Total: 150000/-</u></b>  Labour Welfare i.e Rest shelters,camps,toilets ,canteen (Lumpsum) = 4 years	0	0
10	Topography and Natural Drainage	1. No natural water body present at the site 2. Levelling was done to maintain the gradient of the flow of the stromwater and the wastewater inline to the natural slope to minimise the energy consumption.	NIL	0	0
Total					3,24,400

**Summary of the construction phase of Remediation plan**

a	Total cost already incurred under heads (1+3+4+5+6+7+8+9+10)	17,91,000/- (seventeen Lakhs Ninety One thousand only)
b	Total Cost to be incurred under heads (2)	3,24,400/- (Three lakhs twenty four thousand four hundred only)

**During Operational Phase**

S.No	Environment Aspects	Components covered under Aspects	Environment Impacts	Remediation / Mitigation Measures to be adopted	Cost Analysis	Capital cost (INR)	Recurring (INR)
1	Air Environment	1. Emission from vehicular traffic in use. 2. Power generation by DG Set during power failure.	Air Pollution & Air quality degradation	1. Enhanced Green belt to be developed with increase in number of trees. 2. Maintenance of the extra trees to be planted 3. Grass paving the open parking surface for reducing PM10.	Cost of trees to be planted in next 5 years: Total 500 trees including maintenance; 100 per year @ 300/- per tree = 1,50,000/-	120000	30000
2	Ecosensitive settlements, R&R issues, Land acquisition	1.R&R 2.Land Acquisition 3.Litigations 4.Ecosensitive area	No such issues identified	NA	NA	0	0

3	Water Environment	1. Discharge of sullage of Hospital and medical college to STP. 2. Treatment of hospital effluent to ETP 2. Natural resource depletion 3. Minimisation of freshwater requirement. 4. Rain water harvesting 5. wastewater treatment	Water Pollution & Water quality degradation	1. Adoption of abundant 2 No. bores or well nearby to convert to artificial recharge structures	Adoption of abandon 2 No. bores or well nearby to convert to artificial recharge structures including Maintanence = 50000/- * 2 No	100000	20000
4	Ecological Environment	Flora and Fauna ,Green belt development	Ecology & Biodiversity imbalance	Additional 500 trees proposed .Refer section 1	Distribution of saplings to nearby farmers @10 sap (INR 40 per sap) per farmer to 50 farmers * 3 years		60000
5	Noise Environment	1.Noise from vehicle movements 2.Operation of DG sets	Noise Pollution	Health Checkup camp Once a year in the nearby rural area within 10 km radius	Health Checkup camps = 50000/-per year for two years	50000	50000
6	Socio economic environment	Demographics of the local region Existing social infrastructure effect on local communities	Socio-economic status	NIL	0	0	0
7	Soil Environment	1. Municipal solid waste 2.used oil from D.G. sets	Soil Contaminatio n	1. Additional Dustbins to be provided in the nearby rural	1. Distribution of Manures to nearby Farmers @ 10000/- Rs per Year for five Years = 50000/-	10000	40000

				areas 2. Distribution of Manure to Nearby agricultural farmers.			
8	Aesthetics	1. Scenic views/Orientation of the project w.r.t local area	Natural beauty damage	Project had been designed beautifully to increase the aesthetic value of that area. The project includes state of art materials and its design helps to improve the scenic views	NIL	0	0
9	Energy Conservation	1. Use of Renewable and non renewable energy 2. Energy savings with different technologies 3. Other sustainable practices	Climate Change & other unsustainable conditions	1. SRI paints will be done to the fully exposed to open sky paved surfaces which do not have any partial shading to reduce the heat transmission load.	1. SRI Paints @ Rs 585 /Litre x 100 Liters = 58500/-	58500	0

10	Waste management	1.Solid waste generation 2. Solid waste management 3. Hazardous waste management	Land, Air and water pollution	1.Extra colour coded dustbins will be provided for the waste collections 2. OWC will be installed to manage the organic waste in-house 3. Used oil will be sent to the authorised recyclers 4. Battery waste and other e-waste will be considered for buy back policy 5. Used oils from Kitchen will also be sent to the authorised recyclers 6. Signboards and signage's will be installed 7.It will be handed over to authorized processor.	1. Additional colour coded Dustbins 6 No in the nearby schools or other identified common place like sabji Mandi @ 3000/- per piece = 18000/-	18000	0
11	Environmental Accident or any Disaster Management	Fire fighting and Natural Disasters	Environment, Human Life Damage	NA	1. Deliberation of Fire Fighting Trainings or Drills in the rural community in	50000	0

					conjunction with the local Fire commissioner of the area or Deliberation of Disaster management training in case of flood/Earthquake in conjunction with the State Disaster Management Authority. (Lumpsum fees of Trainings)		
12	Pandemics	Oxygen Plants	Health impact due to Pandemic	NA	NA	0	0
<b>Total</b>						<b>406500</b>	<b>200000</b>

**Summary of the Operation phase of Remediation plan**

a	Total cost under heads (1-16)	6,06,500/- ( Six lakhs Six thousand five hundred) INR
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**Community Augmentation Plan**

S.No.	Environment Aspects	Remediation / Mitigation Measures to be adopted	Cost Analysis	Capital cost (INR)	Recurring (INR)
1	Community Augmentation	1. Maintenance of the already existing sulabh sauchalaya . 2. Construction of additional Sulabh Sauchalaya nearby the railway station or any other identified public area. 3. Arrangement of the Health check-up camps in the nearby 1 villages in the radius of 15 km and provide free preliminary doctors advice in conjunction	Construction of additional Sulabh Sauchalaya nearby the railway station or any other identified public area. = 200000/- Maintainence of these toilets = 10000/- for five years	200000	50000



		with the CMO of the area			
2	Community Augmentation	Trainings, Audits, Policy, Planning, documents preparation etc. Trainings, campaigns and awareness programs to nearby rural areas related to	Consultant/NGO/Trainer fees	50000	50000
3	Natural Resource	Installation of 5 No of Solar Lights in the school	5 Lights @ 16550/- per light in the nearby Govt. School	82750	0
4	Natural Resource	Maintenance of Neemtal through soil conservation and stabilization, greening of embankment	Labour cost/plantation cost/stabilization cost etc.	150000	0
			<b>Total</b>	<b>482750</b>	<b>100000</b>

**Summary of the community augmentation plan**

<b>a</b>	<b>Total cost under heads (1-4)</b>	<b>5,82,750/- Five Lakhs Eighty Two thousand seven hundred fifty only/-</b>
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After presentation and discussions following information was asked to submit by PP:

1. PP's undertaking w.r.t. proposed plantation with their specific location and species in the outside project boundary.
2. Identify the village where bore well recharge project shall be taken up in the abandoned tube well.
3. Specify the village where plantation and other activities shall be taken up.
4. Proposal in remediation plan for divert fund from noise pollution, monitoring etc. to adopt wild animals (Tiger, Lion etc.) in Van-Vihar National Park, Bhopal and dense plantation at Udaigiri caves at Vidisha .
5. PP's commitment w.r.t. that auditorium and TLCC (Cancer Block) will be not be constructed in the parking area shown in the lay out and in future no further development or other construction shall be taken up on this place (parking area).

6. Show on lay-out map where plantation is carried –out and proposed with area and no. of trees.
7. Flora and fauna classification shall be match with identified list published by Biodiversity Board or District Forest working plan.
8. Add Neem tree in the plantation species.
9. Bifurcation of inlet sources of 100 KLD ETP and 400KLD of STP waste water.

PP vide letter dated 21.09.2021 & 01<sup>st</sup> October 2021 submitted the reply of the queries that were raised in the meeting SEAC 514<sup>th</sup> Meeting dated 21.09.21 which are given below:

- Wherein PP has diverted fund noise pollution, monitoring & submit revised Natural community resource augmentation plan and remediation plan corresponding to the ecological damage assessed and economic benefits as suggested by the SEAC committee during presentation. Now the cost of remediation plan has submitted by PP is Rs. 15,13,650/-
- PP has proposed in remediation plan for divert fund from noise pollution, monitoring etc. to adopt wild animals (Tiger, Lion etc.) in Van-Vihar National Park, Bhopal and dense plantation at Udaigiri caves at Vidisha .
- PP has proposed Village DhaknaChapna, Distt. Raisen on Bhopal – Vidisha road for adoption of 02 no. of abandon bore well.
- PP's proposed and submitted comprehensive list of plantation (flora & fauna) and with their specific location and species in the outside project boundary according to working plan of DFO Vidisha.
- PP has submitted following revised Remediation plan.

**DURING CONSTRUCTION PHASE**

S.N o.	Environment Aspects	Remediation / Mitigation Measures already adopted	Cost Analysis	Capital cost (INR)	Recurring (INR)
1	Land Use	NA	NA	0	0

2	Baseline	Not adopted any measures	<p><u>Total : 324400/-</u></p> <p><u>The cost will be considered for 4 years</u></p> <p>1. AAQ -2 samples per year 24 hourly sampling project site half Yearly= 4000/-*2 =8000/-</p> <p>2. WQ -2 samples per year Drinking water sample half yearly = 3500/-*2 = 7000/-</p> <p>3. NQ 2 samples per year day and night at the project site per half year = 1800/-*2=3600/-</p> <p>4. SQ 2 samples per year from the project site = 3500/-*2=7000/-</p> <p>5. DG Stack analysis = 3500/-</p> <p>6. 12 samples in a year ETP/STP inlet and outlet sampling = 12*3500/- = 42000/-</p> <p>6. Lab equipments mobilization &amp; TA/DA = 10000/-</p>	0	(TOTAL COST DIVERTE D TO PLANTATI ON TO FOREST DEPARTM ENT under head no 11)
3	Air Environment	<p>a. Site was enclosed with barricade along the project boundary.</p> <p>b. Water sprinkling was done.</p> <p>c. Transportation of construction material and excavated earth was done through covered trucks.</p> <p>e. Roads leading to project site were paved.</p> <p>f. Speed of the vehicles was restricted (20 kmph) within project site.</p> <p>g. Tree plantation initiated</p>	<p><u>Total : 6,46,600/-</u></p> <p>Dust Suppression 1000 Rs per tanker x 2 tankers/week x seven months x 3 yeas = 169300/-</p> <p>Barrication = 1500 m x 250 Rs /m = 375100/-</p> <p>temporary Pavement of Roads = 102200 /-</p>	0	0

		from construction phase. h. Proper Maintenance of construction equipment/ machineries, etc			
4	Water Environment	<p>a.Site was supplied by the fresh water from nearby drinking source .</p> <p>b. STP water treating the IS standards for construction was used for curing and other construction purposes</p> <p>c. Pits were made to store the RW during construction and used for construction</p> <p>d. Storage of bituminous material on the hard paved surface so that nothing can form leachate</p> <p>e. Septic tanks with soak pits formed for the labour camps</p>	<p><b><u>Total: 6,48,400/-</u></b></p> <p>Purchase of drinking water @ 7.5 LPCD for 300 workers x 300 days x 4 years = <b>540000/-</b></p> <p>Testing of drinking water =48400/-</p> <p>Wastewater disposal @ 6 TANKERS/YR X 2500/tanker for four years = 60000/-</p>	0	0
5	Noise Environment	<p>a. Site was enclosed with barricade along the project boundary.</p> <p>b. PPEs were provided to labor exposed to high intensity noise level.</p> <p>c. Acoustically enclosed DG sets were used.</p> <p>d. Tree plantation initiated from construction phase.</p>	<p><b><u>Total : 200000/-</u></b></p> <p>Noise breakers during construction phase = cost already considered above</p> <p>Health Checkup during Construction phase @ 50000/- per camp = 200000/-</p>	0	0
6	Soil Environment	<p>a. Construction yards were provided for storage of construction material within site.</p> <p>b. Top soil was stored at site and used for landscape development.</p> <p>c. Excavated soil (40000 MT) was utilized for refilling at project site. Surplus soil was backfilled.</p> <p>d.Erosion controls have been adopted</p>	<p><b><u>Total: 50000/-</u></b></p> <p>Top Soil Management = 50000/-</p>	0	0

7	Waste Management	Approx. .150 kg/ day of organic waste, non-biodegradable waste 70 kg & biodegradable Waste = 150 kg/day was given to Municipal authorities	<b><u>Total:101500/-</u></b>  Disposal of solid waste during construction phase = 101500/-	0	0
8	Ecological Environment	a. No forest land involved & tree cutting is involved - NOC,s obtained b. No Ecosensitive area present nearby the project site	NIL	0	0
9	Socio economic environment	1. Local 250 No labours were hired and 50 outside labours. 2. Hutments, cooking facilities, electricity, water, sewerage, medical and crèche facilities provided 3. No accidents happened during construction of the building 4.All the labour compliances were fulfilled by the contractor	<b><u>Total: 153700/-</u></b>  Labour Welfare i.e Rest shelters, camps, toilets ,canteen (Lump sum) = 4 years	0	0
10	Topography and Natural Drainage	1. No natural water body present at the site 2. Levelling was done to maintain the gradient of the flow of the stromwater and the wastewater inline to the natural slope to minimise the energy consumption.	NIL	0	0
11	<b>AFFORESTATION</b>		<b>Plantation is proposed to be done at world heritage site Udagiri caves in District Vidisha nearby Sanchi through DFO Vidisha.</b>	0	3,24,400/-
<b>Total</b>					<b>3,24,400/-</b>

**Summary of the construction phase of Remediation plan**

<b>a</b>	<b>Total cost already incurred under heads (1+3+4+5+6+7+8+9+10)</b>	<b>18,00,200/- (Eighteen Lakhs Two hundred only)</b>
<b>b</b>	<b>Total Cost to be incurred under heads (2-now 11)</b>	<b>3,24,400/- (Three lakhs twenty four thousand four hundred only)</b>

**During Operational Phase**

S.No .	Environment Aspects	Components covered under Aspects	Environment Impacts	Remediation / Mitigation Measures to be adopted	Cost Analysis	Capital cost (INR)	Recurring (INR)
1	Air Environment	1. Emission from vehicular traffic in use. 2. Power generation by DG Set during power failure.	Air Pollution & Air quality degradation	1. Enhanced Green belt to be developed with increase in number of trees in the ROW of the roads developed by MPRDC – Bhopal Vidisha Road nearby Saanchi Junction through DFO Raisen.  2. Maintenance of the extra trees to be planted	Cost of trees to be planted in next 5 years: Total 500 trees including maintenance; 100 per year @ 300/- per tree = 1,68,000/-	138000	30000
2	Ecosensitive settlements ,R&R issues ,Land acquisition	1.R&R 2.Land Acquisition 3.Littigations 4.Ecosensitive area	No such issues identified	NA	NA	0	0

3	Water Environment	1. Discharge of sullage of Hospital and medical college to STP. 2. Treatment of hospital effluent to ETP 2. Natural resource depletion 3. Minimisation of freshwater requirement. 4. Rain water harvesting 5. wastewater treatment	Water Pollution & Water quality degradation	1. Adoption of abandoned 2 No. bores or well in one village in <b>Vidisha Grame Dhakna Chapna (proposed villages) in &amp; Tehsil District Raisen</b> to convert to artificial recharge structures	Adoption of abandon 2 No. bores or well nearby to convert to artificial recharge structures including Maintenance = 60000/- * 2 No	100000	20000
4	Ecological Environment	Flora and Fauna ,Green belt development	Ecology & Biodiversity imbalance	<b>Distribution in Village Grame Dhakna Chapna (proposed villages) in Raisen</b>	Distribution of saplings to nearby farmers @10 sap (INR 40 per sap) per farmer to 50 farmers * 01 years	60000	0
				<b>Adoption of Wildlife in Vanvihar in consultation with field director, VanVihar Bhopal.</b>		200000	0

5	Energy Conservation	1. Use of Renewable and non renewable energy 2. Energy savings with different technologies 3. Other sustainable practices 4. Colour Coding of flushing line will be done.	Climate Change & other unsustainable conditions	1. SRI paints will be done to the fully exposed to open sky paved surfaces which do not have any partial shading to reduce the heat transmission load.	1. SRI Paints @ Rs 585 /Litre x 100 Liters = 58500/-	58500	0
<b>Total</b>						<b>5,56,500/-</b>	<b>50,000/-</b>

**Summary of the Operation phase of Remediation plan**

<b>a</b>	<b>Total cost under heads (1-16)</b>	<b>6,06,500/- ( Six lakhs Six thousand five hundred) INR</b>
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**Community Augmentation Plan**

<b>S.No.</b>	<b>Environment Aspects</b>	<b>Remediation / Mitigation Measures to be adopted</b>	<b>Cost Analysis</b>	<b>Capital cost (INR)</b>	<b>Recurring (INR)</b>
1	Community Augmentation	1. Maintenance of the already existing sulabh sauchalaya . 2. Construction of additional Sulabh Sauchalaya nearby the railway station or any other identified public area. 3. Arrangement of the Health check-up camps in the nearby 1 villages in the radius of 15 km and provide free preliminary doctors advice in conjunction	construction of additional Sulabh Sauchalaya nearby the railway station or any other identified public area. = 200000/- Maintenance of these toilets = 10000/- for five years	200000	50000



		with the CMO of the area			
2	Community Augmentation	Trainings, Audits, Policy, Planning, documents preparation etc. Trainings, campaigns and awareness programs to nearby rural areas related to	Consultant/NGO/Trainer fees	50000	50000
3	Natural Resource	Installation of 5 No of Solar Lights in the school	5 Lights @ 16550/- per light in the nearby Govt. School	82750	0
4	Natural Resource	Maintenance of Neemtal through soil conservation and stabilization, greening of embankment	Labour cost/plantation cost/ stabilization cost etc.	150000	0
			<b>Total</b>	<b>4,82,750</b>	<b>1,00000</b>

**Summary of the community augmentation plan**

<b>a</b>	<b>Total cost under heads (1-4)</b>	<b>5,82,750/- Five Lakhs Eighty Two thousand seven hundred fifty only/-</b>
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**Environmental Budgets-Operational Phase**

		<b>A. Capital Cost</b>	<b>A. Recurring Cost</b>
<b>S. No.</b>	<b>Item</b>	<b>Rs.</b>	<b>Rs/year</b>
<b>1.</b>	STP and ETP installation	10,00,00,000	600000
<b>2.</b>	Rainwater harvesting pits	1500000	25000
<b>3.</b>	Green belt development	150000	50000

4.	Acoustic enclosures	112500	0
5.	DG stack height	1256010	50000
6.	Solid waste segregation area	100000	50000
7.	Hazardous waste segregation area	100000	50000
8.	Solar Lightning	2000000	10000
9.	Liquid Oxygen plant	2000000	100000
10.	PPE	50000	10000
11.	Rain Basaira/creche	3,60,00,000	200000
	<b>Total</b>	<b>14,32,68,510</b>	<b>11,45,000</b>

### SUMMARY

Summary of the Remediation Budgetary plan					
S. no	Particulars	Phase	Capital	Recurring	
1	Remediation plan cost	Construction phase	0	3,24,400	INR
2		Operation Phase	5,56,500/-	50,000/-	INR
	Natural Resource and Community Augmentation cost	Natural Resource	4,82,750	1,00,000	INR
3		Community Augmentation			
		TOTAL Cost	10,39,250/-	4,74,400/-	INR
<b>TOTAL Budget Implemented (Bank Guarantee amount)</b>				<b>15,13,650</b>	<b>INR</b>

The all queries reply which was submitted by PP was placed before the committee. Further, PP Shri M.H. Rizvi M/s. Divisional Manager, Vidisha Medical College, Sagar Road Near Bina, Bhopal Railway Line, Vidisha, has submit EMP budget for - Operational Phase Rs. 14,44,13,510 lakhs (Rs. 14,32,68,510 lakhs as capital cost and Rs. 11,45,000 lakhs as recurring cost) for EMP of this project. As per above calculations, PP- Divisional Manager, Vidisha Medical College, Sagar Road Near Bina, Bhopal Railway Line , Vidisha, MP has proposed to submit bank guarantee of INR 15,13,650/- (Rs. 10,39,250/- as capital cost and

Rs. 4,74,400/- as recurring cost) 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. 15,13,650/- (equivalent to amount proposed in remediation and resource augmentation plan) with the M.P. 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 750 Bedded Govt. Hospital & 150 Seated Medical College at Khasra No. 732/1, 736/1, 737/1, 738/1, 739/1, 740/1, 741/1, 742/1, 743/1, 755/2, 756/2, 757/2, 758/2 [ Total Plot Area – 10.969 ha, Total Built-up Area - 63520.0 sqm) at Sagar Road near Bina - Bhopal Railway Line, Dist. Vidisha (MP) Category: 8(a) Building & Construction Project, subject to the following special conditions and submission of bank guarantee (BG) with three years validity of Rs. 15,13,650/- (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. 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. 02 Diesel power generating sets (2 X 1250 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 MP State Pollution Control Board.
- v. Construction site shall be adequately barricaded before remaining construction works (if any). 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. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution. Wet jet shall be provided for grinding and stone cutting. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.

- vi. 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.
- vii. 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.
- viii. The gaseous emission from DG set (2 X 1250 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.
- ix. For indoor air quality the ventilation provisions as per National Building Code of India.

### **III. Water quality monitoring and preservation**

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii. The total water requirement during operation phase is 790 KLD out of which 365 KLD is fresh water requirement (Water requirement for Domestic use (excluding medical use in hospital) – 290 KLD, Water requirement for Medical use in Hospital – 75 KLD), Treated Water Demand in total (Hospital & Other area) excluding the HVAC -188 KLD, Wastewater Generation (80% of Fresh Water Demand+100% of Flushing Water Demand) from Sewage -382KLD, Effluent Load -  $75 \times 0.8 + 38 = 98$  KLD, Effluent + wastewater-  $98 \text{ KLD} + 382 = 480 \text{ KLD}$ .
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be to monitor to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF& CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the

balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.

- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total fires water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. There are 10 RWH pits which are constructed at the Medical campus, out of which 4 are constructed in the Hospital component and other 6 are at the institutional part. Dimensions 4m dia, 3m depth.
- 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. Waste water and Sewage shall be treated in the ETP & STP (Capacity – 100 KLD & 400 KLD). The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening.
- xix. No sewage or untreated effluent water would be discharged through storm water drains.
- xx. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxi. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

**IV. Noise monitoring and prevention**

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

**V. Energy Conservation measures.**

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

- iv. Energy conservation measures like installation of CFLs/LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

## VI. Waste Management

- i. Total waste 2308.5 Kg/day consist all types of wastes, and these all type of waste shall be treated/ disposed off as per provision made in the MSW Rules 2016.

**The bifurcation of different type of waste is as given below:**

Sr. No.	Type of Waste	Example	Quantity of Waste	Management Options
1	Bio-degradable Waste	Wet-Waste 50% of the total waste	1088.75 kg/day	As per SWM Rules-2016 and as per conditions stipulated by MP Pollution Control Board in consent.
2	Non bio-degradable Waste	Inert dry Waste 24 % of the total waste	522.5 kg/day	As per SWM Rules-2016 and as per conditions stipulated by MP Pollution Control Board in consent.
3	Hazardous Waste	Used Oil & oil filters, ETP Sludge	2000 litre/annum, and 50 oil filters, ETP Sludge approx. (15 kg/day)	HWM Rules-2016 and as per conditions stipulated by MP Pollution Control Board in consent.



4	Bio-medical Waste	25% of the total waste	544.25 kg/day	As per BMW Rules 2016 and as per conditions stipulated by MP Pollution Control Board in consent.
5	E-Waste	1% of the total waste	21.22 kg/day	As per E-Waste management rules 2016 and as per conditions stipulated by MP Pollution Control Board in consent.
	Total Municipal Waste Generated	100%	2308.5 kg/day	

- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (2.308 ton/day) shall be segregated into wet garbage and inert materials.
- v. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity.

These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.

- viii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

**Vii. Green Cover details are as given below:-**

- i. Total 2765 trees and 5412 shrubs and ornamental plants have been planted/proposed within the 10.969 ha campus.
- ii. Approx. 12,400 sq. meters of area shall be provided for green belt development as per the details provided in the project document.
- iii. 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.
- iv. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.

**VIII Transport**

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

- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Total parking provided for the Medical campus including the residents, staff and visitors and public use i.e. 444 ECS + 05 ECS for Ambulance for Four wheelers and 814 two wheeler parking. Parking's arrangement as proposed shall be provided 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. EMP& 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: 30.9.2020, 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, Shri M. H. Rizvi, Divisional Manager, M/s. Vidisha Medical College, Sagar Road Near Bina, Bhopal Railway Line , Vidisha, has submitted EMP budget for Operational phase Rs. 14,44,13,510 lakhs (Rs. 14,32,68,510 lakhs as capital cost and Rs. 11,45,000 lakhs as recurring cost) for EMP of this project.
- vi. The PP, Shri M. H. Rizvi, Divisional Manager, Vidisha Medical College, Sagar Road Near Bina, Bhopal Railway Line , Vidisha MP has proposed to submit bank guarantee of INR 15,13,650/- (Rs. 10,39,250/- as capital cost and Rs. 4,74,400/- as recurring cost) towards Remediation Plan and Natural & Community Resource Augmentation Plan.
- vii. The PP, Shri M. H. Rizvi, Divisional Manager, M/s. Divisional Manager, Vidisha Medical College, Sagar Road Near Bina, Bhopal Railway Line, Vidisha, has proposed to submit bank guarantee of Rs. 15,13,650/- towards Remediation Plan and Natural & Community Resource Augmentation Plan.
- viii. Under Corporate Environment Responsibility (CER) as a part of remediation plan , PP shall adopt wild animals (Tiger, Lion etc.) in Van-Vihar National Park, Bhopal and carryout additional plantation in Udaigiri caves area.

## **XI. Miscellaneous**

- i. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.

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

**4. Case No 8564/2021 Shri Ram Singh Saran S/o Shri Jasaram Saran, Ramnagar, Tehsil - Luni, Dist. Jodhpur, Rajasthan - 342311 Prior Environment Clearance for Stone Quarry in an area of 2.990 ha. (235253 cum per annum) (Khasra No. 853/8, 853/9, 853/10, 853/11), Village - Nanasa, Tehsil - Kannod, Dist. Dewas (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 853/8, 853/9, 853/10, 853/11), Village - Nanasa, Tehsil - Kannod, Dist. Dewas (MP) 2.990 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by PP and their Consultant 505<sup>th</sup> SEAC meeting dated 24-07-21. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per MO letter No.1265 dated 30/6/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.990 ha., including this mine. During presentation it was observed by the committee that as per Google image based on coordinates provided by PP, that two pucca road are passing in the south –east side at a distance of about 250 m & 350 m respectively . A habitation is located at approx. 400 m north –east side of the lease. Further, agriculture activity is being seen within lease area and around the lease area

hence, committee asked PP to Soil profile study. After presentation committee asked PP to submit response on following issues including irrelevant/misleading information provided in Form-II, such as:

1. In point no.13- proposed quantity of raw material/fuel has been mentioned, why?
2. In point no.15- Details of Water Requirement (During Operation)- Tube well has mentioned .
3. In point no.17-Solid Waste Generation/Management- Zero figures (0) has mentioned.
4. Revised plantation species remove Khirni from the proposed plantation list submit revise list as suggested by the committee.
5. Tehsildar/Patwari detailed report w.r.t. Crop yield taken from last 05 years .
6. Soil profile study shall be conducted.
7. PP shall submit evacuation plan.
8. Revised plantation scheme showing proposed plantation in barrier zone, nearby village and native fruit bearing species (such as Harra, Bahera, Nimbu, Kathal, Papaya) to be distributed in nearby villagers This activity shall be carried out under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers in it.
9. Revised EMP by adding budgetary allocations for providing water saucer (10 no. @1000 Rs per piece) to the nearby forest area’s DFO.
10. Fodder development in first year and there care till project by agency concerned and accordingly budgetary provisions should be enhanced and provision of Solar light and planting fruit bearing trees for village school shall be added in proposed CER and revised EMP shall be submitted.
11. Commitment that dense plantation/ Wood Lot shall be developed (preferably using “Miyawaki Technique” in 7.5m barrier zone left for plantation with the concern CCF (R&E Circle Bhopal).
12. PP’s commitment that activities proposed in the CER and plantation scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained.
13. Proposal for CER activates should be based upon Gram Panchayat Annual Action Plan and commitment made during public hearing.

PP vide letter dated 20.09.21 submitted that query reply through on-line portal and same was presented by the RQP. Wherein PP has submitted revised Form-II, Revised plantation scheme & species as suggested by the committee, Tehsildar/Patwari detailed report wherein mentioned that due to stony land it is not favorable for agriculture work, & revised EMP/ CER. 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 for expansion subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production as per approved mine plan with quantity not exceeding for Stone 2,35,253 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs 18.21 Lakh as capital and Rs. 6.99 Lakh/year as recurring has proposed by PP.
3. As proposed, a minimum of total 3600 trees shall be planted in 3 years in the 7.5m safety zone of lease, along the approach Road and in nearby Village through Local DFO or Gram Panchayat.

**5. Case No 8572/2021 M/s. Vista Sales Pvt. Ltd, Authorized Person, Shri Mahesh Kumar Verma, Near Takshshila School, 98, Rachna Nagar, Paras Apartment, Dist. Bhopal, MP Prior Environment Clearance for Sand Quarry in an area of 1.0 ha. (10,000 cum per annum) (Khasra No. 250), Village - Bamhori, Tehsil - Dhimar Kheda, Dist. Katni (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 250), Village - Bamhori, Tehsil - Dhimar Kheda, Dist. Katni (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by PP and their Consultant in the 507<sup>th</sup> SEAC meeting dated 10-08-21. During presentation, PP showed various documents such as lease sanction order, Janpad Panchyat, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-patra) letter No. 1669 dated 27/5/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation PP stated that this is a case of river sand mining on Dalta River. As per Google image based on coordinates provided by PP, it was observed by committee that part of lease area is under submergence and mid stream mining is not permitted and on the western side of lease a HT line is also in existence. Thus after deliberations committee recommends that PP shall submit surface/production plan leaving area

occupied by river and HT line as non mining area considering safety of man and machine. Committee also suggested that recent photographs showing availability of sand with Mining Officer Statement that evacuation of sanctioned volume of sand is possible from this lease shall be submitted for further consideration of this case. During appraisal it was also observed by the committee that there are several mistakes in the form-II submitted by PP. After presentation committee asked PP to submit response on following issues including irrelevant/misleading information provided in From-II, such as:

1. In point no. such as 13 & 13.1, 15, 17, 27 details are wrongly mentioned, please revise.
2. Revised surface/production plan leaving area occupied by river and HT line as non mining area considering safety of man and machine.
3. Recent photographs showing availability of sand on the proposed lease with Mining Officer Statement that evacuation of sanctioned volume of sand is possible from this lease shall be submitted.
4. Under CER scheme with physical targets:
  - ✓ Proposal for CER activates should preferably be based upon Gram Panchayat Annual Action Plan and commitment made during public hearing (if public hearing is conducted)
  - ✓ Activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup etc. in concerned village shall be proposed.
  - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to them who are residing in the nearby villages, shall be considered.
  - ✓ PP's commitment that activities proposed in the CER and plantation scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained shall be submitted with EIA report.
5. Under Plantation Scheme with budgetary allocations:
  - ✓ Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam/Van Samiti under monitoring and guidance of Forest Range officer / Gram Panchayat / Forest Department / Agricultural department or any other suitable agency



having adequate expertise as per the budgetary allocations made in the EMP.

- ✓ Commitment that high density plantation (preferably using “Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation by CCF, Social Forestry Circle or any other competent agencies.
- ✓ Commitment that local palatable perennial grass species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose or through Gram Panchayat on suitable community land in the concerned village area.
- ✓ Species such as Khas slips, Kehwa & Nagarmotha shall be planted on the banks of river.

PP vide letter dated 20.09.21 submitted query reply through on-line portal and same was presented by the RQP wherein PP has submitted that there were some typographical errors & we are assuring that it will not happened again in future. The proposed quantity of raw material/fuel will be NIL, hence submitted Revised form II. Regarding high tension line passing through the western portion of the mine lease area 50m setback from both sides will be left as non-mining zone & no mining operation will be performed. Recent photographs showing availability of sand on the proposed lease PP stated that as per the Google satellite image, mine lease area appears to be submerged partially under water but in actual on site condition the water level starts reducing slowly from the month of October-November i.e after monsoon & till reaching the month of April most of the area becomes dry and available for mining in such a way that we can easily achieve our targeted production i.e 10,000 cum/year. PP also produced a letter issued by the mining officer, Katni (issued vide letter no. 4846 dated 28/09/21) stating that mining is possible from the month of April onwards. PP is also committed that all the activities proposed in the CER and plantation scheme will be completed within initial of 03 years of the project and in the remaining years shall plantation shall be maintained. Species such as Khas slips, Terminalic Arjuna & Nagarmotha will be planted on the banks of the river to control the soil erosion in consultation with the gram Panchayat of the Bamhori village. PP also submitted the revised EMP& CER. PP further stated that there is calculation mistake in the total of EMP budget and shall be read as 5.205 lakhs. 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 for expansion subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production as per approved mine plan with quantity not exceeding for Sand 10,000 cum per annum.
2. Mining shall be carried out only when there is no flow of river water in the allotted lease area preferably after the month of April every year.
3. A budgetary provision for Environmental management Plan of Rs. 05.20 Lakh as capital and Rs. 2.31 Lakh/year as recurring has proposed by PP.
4. PP shall left 50m setback w.r.t. high tension line from both sides as non-mining zone & no mining operation shall be carried out .
5. Minimum of 400 plants / year shall be planted and maintained within 03 years in barrier zone, river bank, evacuation road and distributed to villagers through Gram Panchayat as per the submitted plantation scheme.

**6. Case No 8573/2021 Shri Vaibhav Jain S/o Shri Vimal Jain, Ambedkar Ward No. 12, Silwani, Dist. Raisen, MP - 464551 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (8550 cum per annum) (Khasra No. 117/2 Part), Village - Ghoorpur, Tehsil - Silwani, Dist. Raisen (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 117/2 Part), Village - Ghoorpur, Tehsil - Silwani, Dist. Raisen (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Swati Namdeo on behalf of PP in the 507<sup>th</sup> SEAC meeting dated 10/08/2021. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 52 dated 24/4/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.429 ha., including this mine.

during presentation it was observed by the committee that as per Google image based on coordinates provided by PP two mines are in existence within 500 meters however, M.O. has reported only one mine. PP submitted that other mine was sanctioned as TP and now not in operation. Committee after deliberation decided that PP may obtain clarification on above issue from the mining officer clearly stating the number of mines sanctioned

within 500 meters, details of mines which are not in operation with reason for further consideration of this case.

The case was presented by RQP Smt. Swati Namdeo on behalf of PP In the SEAC 516<sup>th</sup> meeting dated 23.09.2021, wherein it was submitted that as suggested by SEAC they have obtained revised M.O. certificate issued vide letter no. 605 dated 27.08.21 wherein M.O. stated that another mine in 500 m was sanctioned during 23.11.19 to 18.07.21 on TP basis and right now it is not in operation. Thus only 01 mine within 500 m. Committee after deliberation decided that this case shall be schedule for re-appraisal in the forthcoming SEAC meeting.

PP vide letter dated 31.08.21 submitted that query reply through on-line portal and same was presented by the RQP. Wherein PP has submitted that 01 mine of 1.619 ha. is not in operation because this was a case of temporary permitted clearly stated and reported by MO. In this context PP also enclosed MO letter vide 605 dated 27.08.21.

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

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Well grown matured Trees	within lease	Sparsely distributed	PP stated that this tree occupied area shall be dealt as non- mining area.
Pucca Road	30 & 118	East & North-	20 Set back as prescribed by NGT order and Controlled blasting with arrangements of sand bags and three rows of Plantation in this side.

PP further stated that in the road observed in the east side at a distance of 30 m is not pucca road hence, committee after deliberation asked PP to submit following information:

1. Certificate from competent authority regarding status of road (whether pucca or kachha) existed in the east side at a distance of 30 m.
2. Trees in the lease area thus their inventory and management plan.
3. Corrected form-II as suggested by committee.

**7. Case No 8631/2021 Shri Devendra Singh S/o Shri Jashwant Singh, Piploda Dwarkadhish, Dist. Ujjain, MP – 456664 Prior Environment Clearance for Stone Quarry in an area of 2.460 ha. (76000 cum per annum) (Khasra No. 200, 207/1/1, 207/1/2, 197/1/2, 197/2, 207/2/2, 207/2/1, 206/2, 205/2, 205/1/2, 206/1), Village - Madhopur, Tehsil - Ujjain, Dist. Ujjain (MP) Env. Consultant Aseries Envirotek India Pvt. Ltd., Noida (U.P.)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 200, 207/1/1, 207/1/2, 197/1/2, 197/2, 207/2/2, 207/2/1, 206/2, 205/2, 205/1/2, 206/1), Village - Madhopur, Tehsil - Ujjain, Dist. Ujjain (MP) 2.460 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by PP and their Consultant Shri Amar Singh Yadav in the 513th SEAC meeting dated 08-09-21, wherein PP showed various documents such as lease sanction order, Janpad Panchyat NOC, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-Patra) letter No. 652 dated 27/07/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.37 ha., including this mine. PP further stated that this is a case of stone mining, during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction
Pucca Road	80	East
Human settlement	300	SW

During presentation the on the Google images committee observed that the query lease is located in between agriculture fields where agricultural crops is being grown thus PP was asked to submit soil profile report of 02 different locations within lease at a depth of minimum 01 m with photographs with photographic evidences for further consideration

of this case. PP was also asked to submit revised form-II making necessary corrections in point no. 14.6, 16.1, 17, 35(8), 35(9), 35(12), 35(15) etc.

PP vide letter dated 20.09.21 submitted that query reply through on-line portal and same was presented by the RQP wherein he submitted that they have revised Form-II and submitted Soil profile report and site photographs. As suggested during query reply presentation by committee, PP submitted commitment under CER activity that they will contribute Rs. 1.50 lakhs for the protection of plantation carried out by forest department on the hill of Hamukhedi village in district Ujjain through concerned DFO/Van Suraksha Samiti. 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 for expansion subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production as per approved mine plan with quantity not exceeding for Stone 76,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs 09.68 Lakh as capital and Rs. 04.92 Lakh/year as recurring has proposed by PP.
3. A minimum of total 1000 / year trees shall be planted in 3 years in the 7.5m safety zone of lease, along the approach Road and in nearby Village through Local DFO or Gram Panchayat.
4. Protection of plantation carried out by forest department on the hill of Hamukhedi village in district Ujjain through concerned DFO/Van Suraksha Samiti.

**8. Case No 8637/2021 Shri Mudit Sharma S/o Shri Prabhat Sharma, 05, Krishnapura, Ganjbasoda, Dist. Vidisha, MP Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (10,000 cum per annum) (Khasra No. 711/1, 711/2, 712/1, 712/2), Village - Mahagaur, Tehsil - Basoda, Dist. Vidisha (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 711/1, 711/2, 712/1, 712/2), Village - Mahagaur, Tehsil - Basoda, Dist. Vidisha (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Ms. Nikita Prajapati and Mr. Sishupal Verma, Env. Consultant, on behalf of PP in the SEAC 514<sup>th</sup> meeting dated 21.09.2021. During presentation, PP showed various documents such as lease sanction order, Gram Sabha,

DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 5400 dated 13.08.2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation, PP submitted that it's a case of Stone Query mine. Within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Bunch of Trees	Within centre of the lease	Sparsely distributed	PP submitted that total 08 trees are existed and no tree felling is proposed.
Pucca Road	100	East	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Railway line	650	West	

After presentation committee asked PP to submit response on following issues including irrelevant/misleading information provided in Form-II, such as:

1. In point no. 8.1 (1), 15, 19, 32- why detailed green belt plan is not attached.
2. PP's commitment that no tree felling is proposed and existing trees will be protected by leaving 1.5 times area of crown area of trees existing in the middle of the lease.
3. Soil profile study of the QL area.
4. Copy of Gram Panchayat Permission letter for water withdrawal.
5. EMP cost only 8.42%, please justify.

PP vide letter dated 30.09.21 submitted that query reply through on-line portal and same was presented by the RQP wherein they submitted that corrected copy of Form-II and with regards to trees existing in the middle of the lease. PP submitted that as 08 trees of Subabool lies within the mine lease area which are proposed to be protected by leaving the safety distance of 1.5 times of its canopy i.e. of 05 m from the edge of the canopy of trees so that they will survive more. PP's gave his commitment that no tree uprooting will be performed in the lease area & existing trees shall be remain intact. PP stated that

soil available in the lease area is lack in humus and the area is also slightly undulated due to mixing of weathered basalt, it is not suitable for the cultivation/agriculture use and the same context the Patwari letter and Soil Profile has attached by the PP. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for expansion subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 10,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.7.42 Lakh as capital and Rs. 3.83 Lakh/year.
3. As proposed, a minimum of total 2400 trees shall be planted in 3 years in the 7.5m safety zone of lease, along the approach Road and in nearby Village through Local DFO or Gram Panchayat.

**9. Case No 8639/2021 M/s S.B. Stone, Shri Neeraj Bersainya, Prop., S-6, Triveni Complex, Madan Mahal, Dist. Jabalpur, MP Prior Environment Clearance for Dimentional Stone Quarry- 1100 cum per annum & Sub Graded Mineral- 9900 cum per annum in an area of 4.40 ha (Khasra No. 257, 258, 261), Village - Ghutaina, Tehsil - Shahpura, Dist. Dindori (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 257, 258, 261), Village - Ghutaina, Tehsil - Shahpura, Dist. Dindori (MP) 4.40 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Balraj Choudhary on behalf of PP in the 515 SEAC meeting dated 22-09-21. During presentation, PP showed various documents such as lease sanction order, Gram Panchyat, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, PFR & EMP for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-patra) letter No. 191 dated 14/07/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. During presentation as per Google image based on coordinates provided by PP, it was observed that the within 500 meters following sensitive features were observed of the lease area.

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
No. of Trees	within lease	Sparsely distributed	Tree inventory and their management plans.
Road	10 & 25	North & West	Controlled blasting with arrangements of sand bags and three rows of Plantation in this side.

It was also observed in the DFO certificate vide no. 1925, dated 08.6.2020 mentioned that the lease boundary is 5.2 KM from ESZ Fossil National Park (Ghughwa) whereas extent mentioned the notified ESZ vide S.O. 3064, dated 30.11.2017 is 250 m. PP further stated that tree occupied area shall be left as non mining area then after about 2.3 ha. area shall be available for mining. After presentation committee asked PP to submit response on following information:

1. Tree inventory and their management plans.
2. Area occupied by trees shall be left as non mining area.
3. Revised plantation scheme as suggested by the committee
4. Revised CER as suggested by the committee.

PP vide letter dated 30.09.21 submitted that query reply through on-line portal and same was presented by the RQP. PP submitted that total 20 trees are existing trees within mine lease area, along with tree species and girth details and PP stated that area occupied by trees shall be left as non mining area which is on Khasra no. 261 area 1.50 ha. Committee observed that the land proposed for mining after leaving non mining area also having approx 04-05 trees which will be uprooted. Thus PP was asked to submit:

1. Tree management plans which are in existence within the proposed mining area. (Tree inventory with details of large and small tree species)
2. Revised plantation species as suggested by the committee as add species like mahua, Achar, Saja, Katang Bans, bargad, Amla and remove Jamun from the list.



**10. Case No 8647/2021 Shri Kallu Pachori S/o Shri Sitaram Pachori, Nehru Ward, Housing Board Colony, Dist. Katni, MP Prior Environment Clearance for Murrum Quarry in an area of 1.68 ha. (8458 cum per annum) (Khasra No. 842, 843, 844/2, 845), Village - Raipura, Tehsil - Rithi, Dist. Katni (MP)**

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 842, 843, 844/2, 845), Village - Raipura, Tehsil - Rithi, Dist. Katni (MP) 1.68 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Ms. Nikita Prajapati and Mr. Sishupal Verma, Env. Consultant, on behalf of PP in the 516<sup>th</sup> SEAC meeting dated 23-09-21. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 4505 dated 16/8/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine. During presentation it was observed by the committee that it's a case of Murrum thus no blasting is proposed. As per Tehsildar certificate regarding sensitive features within 500 meters, stated that approximately 08 families are residing and if consider 100 m set back distance criteria w.r.t. NGT order dated 21<sup>st</sup> July 2020, then only 0.6 ha. area available for mining. In this context PP was shown their consent to take up mining activity in such a small area, PP further stated that their demand of Murrum is just only 8,458 cum per annum, hence, this quantity shall be fulfilled from the rest of the available lease area. After presentation committee asked PP to submit response on following information –

1. Revised production plan leaving 100 meters area non- mining.
2. Revised plantation species add Amla, Reethi and as suggested by the committee.
3. Revised EMP as suggested by the committee.

PP vide letter dated 30.09.21 submitted that query reply through on-line portal and same was presented by the RQP. Wherein PP submitted, some isolated huts encroached there on government land in the eastern side of the ML area & as this is Murrum quarry so no blasting will required therefore as per the NGT order dated 21<sup>st</sup> July 2020s we are leaving the setback of 100m from the huts and therefore no mining will be performed there. Ultimately they have about 6000 Sq.mt area left for mining. Revised production plan, revised annual EMP budget incorporating change in

plantation & adding the species of the plants as suggested during SEAC meeting has also been submitted. 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 for expansion subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum 8458 cum/annum.
2. A setback of 100 meters shall be left as non mining area from the eastern side of the lease.
3. A budgetary provision for Environmental management Plan of Rs.7.31 Lakh as capital and Rs. 2.92 Lakh/year.
4. As proposed, a minimum of total 2025 trees shall be planted in 3 years in the 7.5m safety zone of lease, along the approach road and in nearby Village through Local DFO or Gram Panchayat.

**11. Case No 7522/2020 M/s J.P.Infracon, Partner, Shri Pushpendra Gupta, Nagar Nigam Complex, Hospital Road, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 7.110 ha. (3,16,951.60 cum per annum) (Khasra No. 1065, 1074, 1078, 1079, 1080, 1081, 1082, 1083, 1085, 1086, 1110, 1111, 1112, 1113/2, 1114) at Village- Dirman, Tehsil- Gohad, District- Bhind (MP). EIA Consultant: M/s. Creative Enviro Services , Bhopal .**

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

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

Earlier this case was scheduled for presentation and discussion in 457<sup>th</sup> SEAC dated 18/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 26/7/21 which was forwarded through SEIAA vide letter no. 1766 dated 30/07/2021 and the same was scheduled in the agenda.

The EIA was presented by the consultant Mr. Santosh, M/s. Creative Enviro Services, Bhopal and Ms. Swati Namdeo, RQP in the 509th SEAC Meeting Date 24/8/21. During presentation it was observed by committee that in the EIA, PP has not addressed the sensitivity issues given as additional TOR points and even the modeling details are missing in the EIA. Committee further observed that there are several mistakes in the form-II submitted by PP and even complete minutes of public hearing are not uploaded. Since SEAC is reviewing cases on the basis of documents and details uploaded online, thus all the mandatory information shall be precisely uploaded online for appraisal of case and to avoid unnecessary delay. After presentation committee asked PP to submit response on following issues and revised/updated information in Form-II, such as:

1. As per form-II point 7.1, In-complete public hearing minutes were uploaded by PP and thus members can't review the public hearing minutes.
2. As per form-II point 8.1, why project configuration/machinery details are not provided, Please justify.
3. As per form-II point 10, the project cost is mentioned as Rs. 1.0 Crore where as in the PFR it is 40.0 lakhs, Please justify.
4. As per form-II point 14.6, how the GW level of pre and post monsoon can be same as 30-35 mbgl, Please justify.
5. As per form-II point 15, source of water is ground water, permission from CGWB or copy of application made shall be submitted.
6. As per form-II point 17, the mine waste is 1126.00 MT/year while as per mining plan it is 7506 cum per annum, Please justify. Also add details of MSW generation and disposal plan.
7. As per form-II point 18.1, Justify GLC value of 0.06 for PM 2.5 and 0.09 for PM 10 for such a huge production volume. No modeling/data are given in the EIA thus please justifies the basis of these values.
8. As per form-II point 35 (03), Why Mining Officer Certificate is not uploaded.
9. As per form-II point 35 (11), GW intersection is proposed thus provide copy of CGWB permission and report of hydro-geological study.
10. All the specific TOR points shall be addressed with proposed mitigation/proper safety measures such as for canal and habitations in surrounding area.
11. Comprehensive noise mitigation plan.
12. Revised EMP as suggested by committee by adding budgetary allocations such as for fencing, grazing land, perpetual maintainence of plantation.

13. PP commitment that no crusher is proposed within lease area.
14. Under CER scheme with physical targets:
  - ✓ Proposal for CER activities based upon commitment made during public hearing and COVID-19 pandemic.
  - ✓ Activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup etc. in concerned village shall be proposed.
  - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to them who are residing in the nearby villages, shall be considered.
  - ✓ PP's commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained shall be submitted with EIA report.
15. Under Plantation Scheme with budgetary allocations:
  - ✓ Comprehensive green belt plan as suggested by committee with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Proposal for distribution of fruit bearing species for nearby villagers shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.
  - ✓ Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
  - ✓ Commitment that high density plantation (preferably using "Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation by CCF, Social Forestry Circle, Gwalior or any other competent agencies.
  - ✓ Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
  - ✓ Proposal for plantation in adjoining forest land through concerned DFO.

PP vide letter dated 30.09.21 submitted that query reply through on-line portal and same was presented by the Env. Conslt. & RQP behalf of PP. Wherein PP submitted, corrected copy of Form-II (attached), Revised production plan, revised annual EMP budget incorporating change in plantation & adding the species of the plants as suggested during SEAC meeting has also been submitted PP's commitments regarding plantation shall be carried out preferably through Govt. agency, high density plantation (preferably using "Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation by CCF, Social Forestry Circle, Gwalior or any other competent agencies, Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development. Distribution of 1000 fruit bearing Sapling namely (Mango, Kathal, Jamun, Guava, Sitafal etc.) to the villagers of Village Dimran. During presentation committee suggested that the maximum transportation shall be done by the 40 T capacity trucks to reduce the number of trips. The above quarries was placed before the committee and found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for expansion subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 3,16,951.60 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.18.55 Lakh as capital and Rs. 13.08 Lakh/year.
3. As proposed, a minimum of total 6000 trees shall be planted in 02 years in the 7.5m safety zone of lease, along the approach road and in nearby Village through Local DFO or Gram Panchayat.

**12. Case No 7953/2020 Shri Rasmeet Singh Malhotra S/o Shri Ajeet Singh Malhotra, Near Alka Talkies, Nehru Ward, Pipariya, Dist. Hoshangabad, MP - 461775, Prior Environment Clearance for Sand Quarry in an area of 5.50 ha. (25000 cum per annum) (Khasra No. 605), Village - Udla, Tehsil - Amanganj, Dist. Panna (MP) Env. Con. - In Situ Enviro Care, Bhopal M.P.**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 605), Village - Udla, Tehsil - Amanganj, Dist. Panna (MP) 5.50 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 (Ekal Praman-Patra) letter no. 1448 dated: 12/10/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 470<sup>th</sup> SEAC dated 18/12/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 11/7/21 which was forwarded through SEIAA vide letter no. 1506 dated 19/07/21, which was placed before the committee.

The case was scheduled in 507<sup>th</sup> meeting dated 10/08/2021 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation.

The case was scheduled again for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 514<sup>th</sup> SEAC meeting dated 21/9/21 & 507<sup>th</sup> meeting dated 10/08/2021. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

**13. Case No 7952/2020 Shri Rasmeet Singh Malhotra S/o Shri Ajeet Singh Malhotra, Near Alka Talkies, Nehru Ward, Pipariya, Dist. Hoshangabad, MP - 461775 Prior Environment Clearance for Sand Quarry in an area of 10.75 ha. (108000 cum per annum) (Khasra No. 1), Village - Bhina, Tehsil - Ajaygarh, Dist. Panna (MP) Env. Con. - In Situ Enviro Care, Bhopal M.P..**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1), Village - Bhina, Tehsil - Ajaygarh, Dist. Panna (MP) 10.75 ha. The project requires prior EC before commencement of any activity at site.

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

format duly verified in the Collector Office (Ekal Praman-Patra) letter no. 1460 dated: 13/10/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 470<sup>th</sup> SEAC dated 18/12/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 11/7/21 which was forwarded through SEIAA vide letter no. 1504 dated 19/07/21, which was placed before the committee.

The case was scheduled in 507<sup>th</sup> meeting dated 10/08/2021 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation.

The case was scheduled again for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 514<sup>th</sup> SEAC meeting dated 21/9/21 & 507<sup>th</sup> meeting dated 10/08/2021. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

**14. Case No 8588/2021 M/s. SP Eco Waste Management System, Smt. Pramila Sharma, Partner, 15/2, Khudiram Bose Marg, Dist. Ujjain, MP - 456010 Prior Environment Clearance for Common Bio Medical Waste Treatment Facility (CBWTF) at Village - Kaliyadeh, Tehsil - Ghattiya, Dist. Ujjain, (MP).**

This is case of Prior Environment Clearance for Common Bio Medical Waste Treatment Facility (CBWTF) at Village - Kaliyadeh, Tehsil - Ghattiya, Dist. Ujjain, (MP). The proposed project is for setting up of common bio-medical waste treatment facility and project falls under Category “B” Projects of activity 7 (da) as per EIA Notification dated 14<sup>th</sup> September, 2006 and its subsequent amendments dated 17<sup>th</sup> April 2015, under Bio- Medical Waste Treatment Facilities. Application was forwarded by SEIAA to SEAC for appraisal vide n. 1570 dated 30.07.2021.

Further, SEIAA vide letter dated 30.07.2021 wherein mentioned that.....

*“for this location already SEIAA has granted EC dated 29.01.2019 to case no. 5542/17 & one another case 7787/2020 of this location TOR issued by SEAC on 06.10.2020 valid till 29.09.2024. Further the case no. 7787/2020 M/s. Hostech Eco Management has filed a petition (WP/5133/2021) against the establishment of the unit and matter is sub – judice under H’ble High court. There are number of complaints also received in SEIAA regarding objection of public Hearing. For the case no. 5542/2017 the matter is sub – judice under H’ble NGT (O.A. No. 32/2021) (CZ). In view of above, you are requested to kindly consider the above issue during appraisal of the case.*

The case was scheduled in 509<sup>th</sup> meeting dated 24/08/2021 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation.

The case was scheduled again for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 514<sup>th</sup> SEAC meeting dated 21/9/21 & 509<sup>th</sup> meeting dated 24/08/2021. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

**15. Case No 8593/2021 Shri Bhupendra Kumar Pandey, Village - Nipniya, Ward No. 1, Dist. Rewa, MP Prior Environment Clearance for Stone Quarry in an area of 1.719 ha. (10000 cum per annum) (Khasra No. 265/1), Village - Devdaha, Tehsil - Ramnagar, Dist. Satna (MP) .**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 265/1), Village - Devdaha, Tehsil - Ramnagar, Dist. Satna (MP) 1.719 Ha. The project requires prior EC before commencement of any activity at site.

The case was scheduled in 506<sup>th</sup> meeting dated 09/08/2021 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation.

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



commitment which may be desired by the committee during the deliberation. PP was also absent in the 514<sup>th</sup> SEAC meeting dated 21/9/21 & 506<sup>th</sup> meeting dated 09/08/2021. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

**16. Case No. - 5751/2018 M/s. Macker Real Ventures, 501, 5<sup>th</sup> Floor, Ashima Corporate Zone, Ashima Mall, Hoshangabad Road, Bhopal, (M.P.) – 462026. Prior Environment Clearance for Construction of Group Housing Project "Silver Estate Vertica" (Plot Area = 16,700 sqm., Built up Area = 28,451.33 sqm) Khasra No. – 60, 61, 62, 63, 64/1, 66/1, at Village - Katara, Tehsil - Huzur & Dist. Bhopal, (M.P.) Category: 8(a) Building & Construction Project. (Violation).**

This is case of Prior Environment Clearance for Proposed Construction of Construction of Group Housing Project "Silver Estate Vertica" (Plot Area = 16700 sqm., Built up Area = 28451.33 sqm) Khasra No. – 60, 61, 62, 63, 64/1, 66/1, at Village - Katara, Tehsil - Huzur & Dist. Bhopal, (M.P.) Cat. 8(a) Building and Construction Projects. The project requires prior EC before commencement of any activity at site.

**Chronology of the project:**

Earlier this case was scheduled in 331<sup>st</sup> SEAC meeting dated 25/10/2018, wherein ToR (For Violation) has been recommended. PP has submitted the EIA report vide letter dated 15/03/2019 which was forwarded through SEIAA vide letter no. 2856 dated 30/03/2019 which was placed before the committee.

The case was scheduled for the EIA presentation and discussion in 361<sup>st</sup> SEAC meeting dated 12/04/2019 with its remediation plan and the natural and community resource augmentation plan, wherein committee asked PP to revise the remediation's plan and natural community resource augmentation plan. For more detailed information, kindly refer the minutes of 361<sup>st</sup> SEAC meeting dated 12/04/2019.

This case was scheduled for the presentation and discussion in 397<sup>th</sup> SEAC meeting dated 03/10/2019 of revised remediation's plan and natural community resource augmentation plan as suggested by committee in 361<sup>st</sup> SEAC meeting dated 12/04/2019, however, it was observed by the committee that the PP has submitted the request letter vide dated 30/09/2019 stating that due to some unavoidable condition he wouldn't able to present the case before SEAC and requested to scheduled this case in next upcoming SEAC meeting. Committee accepted the request made by PP and decided to call the PP in subsequent meetings.

In the SEAC 399<sup>th</sup> meeting dated 31.10.2019 the case was scheduled for presentation, PP has presented incorporating revised remediation plan and natural community resource augmentation plan wherein PP has proposed Rs. 121.00 Lakhs in the EMP as capital cost and recurring cost is Rs. 8.17 Lakhs /Year. Also, Rs. 13.55 Lakhs is proposed as remediation cost for this project. PP M/s. Macker Real Ventures "Silver Estate Vertica", has proposed to submit bank guarantee of INR Rs. 13.55 Lakhs towards Remediation Plan. Committee after considering the reply recommends that PP may be asked to deposit the bank gurantee (BG) with three years validity of Rs. 13.55 Lakhs (equivalent to amount proposed in Remediation Plan /Restoration Plan) with the MP Pollution control Board after approval of the SEIAA as per the procedure laid down in the MoEF&CC Notification dated 08/03/2018.

The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Environment Clearance for Construction of Group Housing Project "Silver Estate Vertica" (Plot Area = 16,700 sqm., Built up Area = 28,451.33 sqm) Khasra No. – 60, 61, 62, 63, 64/1, 66/1, at Village - Katara, Tehsil - Huzur & Dist. Bhopal, (M.P.) Category: 8(a) Building & Construction Project, subject to the prescribed special conditions and submission of bank gurantee (BG) with 03 years validity of Rs. 13.55 Lakhs (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board, with additional conditions.

Thus, as above, PP has proposed Rs. 121.00 Lakhs in the EMP as capital cost and recurring cost is Rs. 8.17 Lakhs /Year. Also, Rs. 13.55 Lakhs is proposed as remediation cost for this project. PP M/s. Macker Real Ventures "Silver Estate Vertica", has proposed to submit bank guarantee of INR Rs. 13.55 Lakhs towards Remediation Plan. Committee after considering the reply recommends that PP may be asked to deposit the bank gurantee (BG) with three years validity of Rs. 13.55 Lakhs (equivalent to amount proposed in Remediation Plan /Restoration Plan) with the MP Pollution control Board after approval of the SEIAA as per the procedure laid down in the MoEF&CC Notification dated 08/03/2018.

Vide SEIAA's letter no. 1682/SEIAA/21 dated 17.08.2021, forwarded case file to SEAC with information submitted by PP and Regional office, MoEF&CC examination in the light of MoEF&CC Notification S.O no. 1030, dated 08.03.2018.

The case was scheduled in 512<sup>th</sup> meeting dated 07/09/2021 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation.

The case was scheduled again for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 514<sup>th</sup> SEAC meeting dated 21/9/21 & 512<sup>th</sup> meeting dated 07/09/2021. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to peruse the case for release of BG. Committee also suggested that PP shall obtain recommendations of Regional Office of Ministry for release of BG as per the procedure laid down in MoEF&CC Notification dated 08/03/2018 regarding successful implementation of the remediation plan and natural and community resource augmentation plan.

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

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 46/1), Village - Sondul, Tehsil - Manawar, Dist. Dhar (MP) 2.90 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 2598 dated: 26/12/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for presentation, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in 430<sup>th</sup> SEAC meeting dated 17/3/2020 & 432<sup>th</sup> SEAC meeting dated 18/5/2020. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project. The case was discussed in 679th SEIAA meeting dtd 13/7/21 and it has been recorded that as per above observation of SEAC, it has been decided to delist the case on the condition that if PP intends to present the case in SEIAA it will then be relisted for appraisal.

PP vide letter dtd nil received in SEIAA office on 29.6/21 requested to relist the case by showing his interest to present the case. Therefore, it has been decided to relist the case and send the technical file to SEAC for appraisal.

The case was scheduled in 508<sup>th</sup> meeting dated 11/08/2021 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation.

The case was scheduled again for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 514<sup>th</sup> SEAC meeting dated 21/9/21 & 508<sup>th</sup> meeting dated 11/08/2021. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

**18. Case No 8622/2021 Shri Dulichandra Patel S/o Shri Babulal Patel, House No. 67, Village - Majhguwa, Post - Karrapur, Korwana, Dist. Sagar, MP - 470337 Prior Environment Clearance for Stone Quarry in an area of 1.238 ha. (25000 cum per annum) (Private Land, Khasra No. 1510/1/2/1/1, 1510/1/2/1/2, 1241, 1511/2, 1252/4/1/2), Village - Devpur, Tehsil - Bakaswaha, Dist. Chhatarpur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Private Land, Khasra No. 1510/1/2/1/1, 1510/1/2/1/2, 1241, 1511/2, 1252/4/1/2), Village - Devpur, Tehsil - Bakaswaha, Dist. Chhatarpur (MP) 1.238 Ha. The project requires prior EC before commencement of any activity at site.

The case was scheduled in 511<sup>th</sup> meeting dated 26/08/2021 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation.

The case was scheduled again for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the in 515<sup>th</sup> SEAC meeting dated 21/9/21 & 511<sup>th</sup> meeting dated 26/08/2021.

Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

However, committee observed that PP vide letter dated 01.10.2021 has requested that due to some unavoidable reasons they intend to withdraw this EC application. Committee after deliberations recommends that on the request of PP case may be considered for withdrawal and case file may be sent to SEIAA for onward necessary action.

**19. Case No 8654/2021 Shri Tapan Vaishnav, S/o Premnarayan Vaishnav, 52/1, Jain Colony, Nayapura, Dist. Ujjain, MP - 456006 Prior Environment Clearance for Stone Quarry in an area of 3.990 ha. (5000 cum per annum) (Khasra No. 07), Village - Umariya Jagir, Tehsil - Ujjain, Dist. Ujjain (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 07), Village - Umariya Jagir, Tehsil - Ujjain, Dist. Ujjain (MP). 3.990 Ha. The project requires prior EC before commencement of any activity at site.

The case was scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. However, committee observed that PP vide letter dated 06/09/21 has requested that due to some unavoidable reasons they intend to withdraw this application. Committee after deliberations recommends that on the request of PP case may be considered for withdrawal and case file may be sent to SEIAA for onward necessary action.

**20. Discussion w.r.t. Hon'ble NGT order dated 21.07.2020 in O.A. no. 304/2019**

Hon'ble NGT in O.A. No. 304/2019 on dated 28/02/20 directed CPCB to lay down distance criteria for permitting stone quarrying. CPCB on dated 09<sup>th</sup> July, 2020 prescribed following distance criteria may be considered for permitting stone quarrying by SPCBs:

Mining Type		Minimum Distance	Locations
A.	When blasting is not involved	100 meters	Residential/Public buildings, Inhabited sites, Protected monuments, Heritage

B.	When blasting is involved	200 meters	sites, National / State Highway, District roads, Public roads, Railway line/area, Ropeway or Ropeway trestle or station, Bridges, Dams, Reservoirs, River, Canals, Lakes or Tanks, or any other locations to be considered by States.
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**\*\*Note:** The regulations for danger zone (500 m) prescribed by Directorate General of Mines Safety also have to be complied compulsorily and necessary measures should be taken to minimize the impact on environment.

However, if any states is already having stringent criteria than the above for minor mineral mining (i.e. more prescribed distances than the above), the same shall be applicable.”

Hon’ble NGT on dated 21.07.2019 in O.A. No. 304/2019 ordered that following minimum distance criteria may be considered for permitting stone quarrying by SPCBs:

Mining Type		Minimum Distance	Locations
A.	When blasting is not involved	100 meters	Residential/Public buildings, Inhabited sites, locations to be considered by States.
B.	When blasting is involved	200 meters	

**\*\*Note:** The regulations for danger zone (500 m) prescribed by Directorate General of Mines Safety also have to be complied compulsorily and necessary measures should be taken to minimize the impact on environment.

However, if any states is already having stringent criteria than the above for minor mineral mining (i.e. more prescribed distances than the above), the same shall be applicable.”

Committee deliberated on this issue as and when it came in the notice and started imposing the minimum distance criteria as per Hon’ble NGT order dated 21.07.2019 in O.A. No. 304/2019 in all cases for any Residential/Public buildings, Inhabited sites, locations if located within 100 meters (When blasting is not involved) or within 200 meters (When blasting is involved) by prescribing setback within lease area from 503<sup>rd</sup>

SEAC meeting dated 22/07/21. If leaving minimum distance criteria as per Hon'ble NGT order dated 21.07.2019 sufficient mining area is not available such the cases are recommended to SEIAA for not considering for grant of EC. Since Hon'ble NGT in order dated 21.07.2019 (O.A. No. 304/2019) has mentioned only Residential/Public buildings, Inhabited sites, locations to be considered by States thus these restrictions are imposed only in such cases where any Residential/Public buildings, Inhabited sites are in existence. However, for locations to be considered by States provisions laid down in section 5(2) of MP MMR Rules, 1996 are being followed by the SEAC.

**(A. A. Mishra)**  
**Member Secretary**

**(Dr. Praveen Chandra Dubey)**  
**Chairman**

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

**Annexure- 'A'**

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

1. Mining should be carried out as per the submitted land use plan and approved mine plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and fenced from all around the site. Necessary safety signage & caution boards shall be displayed at mine site.
3. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
5. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
6. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
7. Crusher with inbuilt APCD & water sprinkling system shall be installed minimum 100 meters away from the road and 500 meters away from the habitations only after the permissions of MP Pollution Control Board with atleast 04 meters high wind breaking wall of suitable material to avoid fugitive emissions.
8. Working height of the loading machines shall be compatible with bench configuration.
9. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
10. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
11. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
12. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
13. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
14. To avoid vibration, no overcharging shall be carried out during blasting and muffle blasting shall be adopted. Blasting shall be carried out through certified blaster only and no explosive will be stored at mine site without permission from the competent authority.
15. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks (SS pattern) of suitable sizes shall be provided.



16. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
24. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
25. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Moreover, a separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
26. The project proponent shall follow the mitigation measures provided in MoEF&CCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
27. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
28. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
29. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)

- c. Production capacity of the project.
30. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) or concerned DFO or any other suitable agency and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
  31. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
  32. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
  33. Every year, before onset of monsoon season, minimum 25 saplings of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers on “Vayudoot app”.
  34. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

**Annexure- ‘B’**

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

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

5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4<sup>th</sup> or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
17. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights. All these facilities such as rest shelters, site office etc. Shall be removed from site after the expiry of the lease period.
18. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020 and these details should be provided in Annual Environmental Statement.
19. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.

21. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
24. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
25. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
28. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
29. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.
30. Following conditions must be implemented by PP in case of sand mining as per NGT (CZ) order dated 19/10/2020 in OA NO. 66/2020 and SEIAA's instruction vide letter No. 5084 dated 09/12/2020.
  - i. The Licensee must use minimum number of poclains and it should not be more than two in the project site.
  - ii. The District Administration should assess the site for Environmental impact at the end of first year to permit the continuation of the operation.
  - iii. The ultimate working depth shall be 01 m from the present natural river bed level and the thickness of the sand available shall be more than 03 m the proposed quarry site.
  - iv. The sand quarrying shall not be carried out blow the ground water table under any circumstances. In case, the ground water table occurs within the permitted depth at 01 meter, quarrying operation shall be stopped immediately.
  - v. The sand mining should not disturb in any way the turbidity, velocity and flow pattern of the river water.
  - vi. The mining activity shall be monitored by the Taluk level Force once in a month by conducting physical verification.
  - vii. After closure of the mining, the licensee shall immediately remove all the sheds put up in the quarry and all the equipments used for operation of sand quarry. The roads/pathways

- shall be leveled to let the river resume its normal course without any artificial obstruction to the extent possible.
- viii. The mined out pits to be backfilled where warranted and area should be suitable landscaped to prevent environmental degradation.
- ix. PP shall adhere to the norms regarding extent and depth of quarry as per approved mining plan. The boundary of the quarry shall be properly demarcated by PP.
31. Species such as Khus Slips and Nagar Motha shall be planted on the river banks for bank stabilization and to check soil erosion while on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
32. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
33. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
34. Every year, before onset of monsoon season, minimum 25 saplings of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers on “Vayudoot app”.
35. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

**Annexure- ‘C’**

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

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. The mining shall be carried out strictly as per the approved mining plan.
4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.
5. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.

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

- technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
  23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
  24. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
  25. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
  26. A display board with following details of the project is mandatory at the entry to the mine.
    - a. Lease owner's Name, Contact details etc.
    - b. Mining Lease area of the project (in ha.)
    - c. Production capacity of the project.
  27. Species such as Khus Slips and Nagar Motha shall be planted on the nearby river banks for bank stabilization and to check soil erosion while dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
  28. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) or concerned DFO or any other suitable agency and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
  29. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
  30. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. Plantation in adjoining forest land shall be carried out through concerned DFO and commensurate budget shall be transferred for plantation to DFO.

31. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
32. Every year, before onset of monsoon season, minimum 25 saplings of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers on “Vayudoot app”.
33. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

**Annexure- ‘D’**

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

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



16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
19. The EIA report should clearly mention activity wise EMP and CER cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analyzed.
26. A separate budget in EMP & CER shall be maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
28. The project proponent shall provide the mitigation measures as per MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.
29. LPG gas shall be provided for camping labour under "Ujjwala Yojna .
30. In the project where ground water is proposed as water source, the project proponent shall apply to the competent authority such as Central Ground Water Authority (CGWA) as the case may be for obtaining, No Objection Certificate (NOC).
31. Consideration of mining proposals involving violation of the EIA Notification, 2006, the project proponent shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court of India dated 02/08/2017 in WP © No. 114 of 2014 in the matter of Common Cause V/s Union of India & others before grant of TOR/EC. The

- under taking interalia includes commitment of the PP not to repeat any such violation in future as per MoEF&CC OM No. F.NO. 3-50/2017-IA.III (Pt.) dated 30/05/2018.
32. The mining project proponents involving violations of the EIA Notification, 2006 under the provisions of S.O. 804 (E) dated 14/03/2017 and subsequent amendments for TOR/EC shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2<sup>nd</sup> August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors. Before grant of TOR/EC the undertaking inter-alia include commitment of the PP not to repeat any such violation of future. In case of violation of above undertaking, the TOR/Environmental Clearance shall be liable to be terminated forthwith.
  33. Under CER scheme commitments with physical targets shall be included in EIA report for:
    - ✓ Proposal for CER activities based upon commitment made during public hearing and COVID-19 pandemic.
    - ✓ Activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup etc. in concerned village shall be proposed.
    - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to them who are residing in the nearby villages, shall be considered.
    - ✓ PP's commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained shall be submitted with EIA report.
  34. Under Plantation Scheme commitments with budgetary allocations shall be included in EIA report for :
    - ✓ Comprehensive green belt plan with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Proposal for distribution of fruit bearing species for nearby villagers shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.
    - ✓ Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
    - ✓ Commitment that high density plantation (preferably using "Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation through concern CCF (social forestry) or concerned DFO or any other suitable agency.
    - ✓ Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
    - ✓ PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.

**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.**

35. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
36. Detailed analysis of availability and quality of the drinking water resources available in the block.
37. 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.
38. The consent of Gram Sabah of the villages in the area where project is proposed shall be obtained.