

The 465th meeting of the State Expert Appraisal Committee (SEAC) was held on 7th November, 2020 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing -

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

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

1. Case No 7894/2020 Executive Engineer, Water Resources Division No. II, Office of the Executive Engineer, Dist. Betul , MP, Prior Environment Clearance for Mendha Irrigation Project at Village - Mendha, Tehsil Bhaidehi, , Dist. Betul (MP). CCA- 5800 ha., GCA7250 ha., Env. Con.- R. S. Envirolink Technologies. Pvt. Ltd. Gurgaon. Category: 1(c) River Valley Project

This is case of Prior Environment Clearance for Mendha Irrigation Project at Village - Mendha, Sadar, Dist., Betul (MP). The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Village - Mendha, Tehsil Bhaidehi, Dist. Betul (MP). The project requires prior EC before commencement of any activity at site.

The case was presented by PP and their consultant wherein PP resented following details:

- Mendha Irrigation project has been conceived by Water Resources Department, Madhya Pradesh. The Project is proposed on Tapti River near Village Mendha, Tehsil Betul of District Betul.
- The project has a command area of 5,800 ha; therefore as per EIA notification of September 2006 and subsequent amendment dated 14th 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.
- Mendha Medium Irrigation project has been planned to cater to the drinking and irrigation water requirement of Athner tehsil of Betul District, which are declared drought prone areas due to acute shortage of surface and ground water sources.
- The project proposes to construct a 36.40 m (maximum) high dam across Tapti River near Mendha village to create 36.46 MCM of gross storage of water for drinking and irrigation. It will serve a command of 5800 ha (CCA) spread over 19 villages in Athner tehsil of

Betul District. Water from reservoir will be lifted by using Pump House 1 and supplied to existing Khodri Tank through 7.7 km long Rising Main 1. Further from Khodri Tank water will be lifted by Pump.

- Total land requirement for the project is 384.753 ha out of which 19.451 ha is required for approach road, staff quarters, office, store, rising main, distribution chamber etc. and 365.302 ha comes under submergence.
- Total land requirement of 384.753 ha. constitutes of -
 - government land: 141.311 ha
 - private land: 223.302 ha
 - forest land: 20.140 ha
- Proposals for diversion has been submitted vide reference no. FP/MP/IRRIG/37074/2018 dated July 11, 2019.
- A total 7 villages of Betul and Bhainsdehi tehsil will be affected, out of which 3 villages (Menda, Khapa and Borikas) will involve displacement of families also.
- 205 houses (540 nuclear families) of 3 villages will be displaced and resettled.
- Catchment Area: The total catchment area up to the dam site of proposed Mendha irrigation project is 1380 sq km.
- Command Area: The command area lies on left bank of Tapti river and covers 19 villages of Athner tehsil of district Betul.

After detail discussion, committee has asked the PP to submit the following information:

1. Forest area comprises 20.14 ha., hence copy of proposals submitted for diversion of forest land to be submitted.
2. 540 nos. of PAFs are proposed for R&R involved in this project, copy of gazette notification of concerned sections in this context, as section 11&19 to be submitted.
3. Tree felling are proposed, inventory of the trees shall be submitted.
4. Cross section of proposed dam shall be provided.

PP vide letter dated 07.11.2020 has submitted reply of the above query. The query reply was presented by the PP and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Mendha Irrigation Project at Village - Mendha, Tehsil Bhaisdehi, Dist. Betul (MP). CCA- 5800 ha., GCA 7250 ha., 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
- 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.
- vi. Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crore.

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 during peaking period, 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. Catchment Area Treatment Plan

- i. Catchment Area Treatment (CAT) Plan as proposed in the EIA/EMP report shall be implemented in consultation with the State Forest Department and shall be implemented in synchronization with the construction of the project.

VI. Waste Management

- i. Muck disposal (113408.60 cum.) 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.

- ii. 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.

VII. Green Belt, EMP Cost, Fisheries and Wildlife Management

- i. 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.
- ii. 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.
- iii. Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented in consultation with the local State Forest Department.
- 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 plan approved.
- vi. 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.

VIII. Public hearing and 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.

IX. EMP

A budgetary provision of Rs. 3614.695 Lakh is made for Environmental Management Plan wherein following activities has been proposed by PP:

Sl. No	Activities	Capital Cost (Rs. In lakh)	Recurring Cost (Rs. In lakh)					Total Cost (Rs. In lakh)
			Year 1	Year 2	Year 3	Year 4	Year 5	
1	Air Pollution Control	--	10.000	10.000	10.000	5.000	--	35.000
2	Noise Pollution Control	--	2.000	1.500	1.500	1.000	--	6.000
3	Water Pollution Control	--	12.000	12.000	12.000	6.000	--	42.000
4	Fisheries Development	25.925	--	--	--	--	--	25.925
5	Muck Management		30.000	30.000	25.000	15.000	--	100.000
6	Sanitation and Solid Waste Management	25.000	4.000	4.000	4.000	2.000	--	39.000
7	Facilities in Labour Camp/ Amenities for Workers/PPEs	31.000	8.500	9.500	9.500	4.750	--	63.250
8	Public Health	35.000	6.500	6.500	6.500	3.250	--	57.750
9	Energy Conservation Measures	16.000	7.000	7.000	7.000	3.500	--	40.500
10	Biodiversity Conservation Plan	--	21.750	21.750	7.250	7.250	7.250	65.250
11	Compensatory Afforestation	347.620	--	--	--	--	--	347.620
12	Green Belt Development Plan	--	18.000	18.000	6.000	6.000	6.000	54.000
13	Reservoir Rim Treatment	37.560		--	--	--	--	37.560
14	Restoration of Construction sites	--	--	14.250	14.250	--	--	28.500
15	COVID 19 Consideration	--	4.000	3.000	3.000	--	--	10.000

16	Awareness and Training of Farmers	--	2.500	2.500	2.500	2.500	2.500	12.500
17	Rehabilitation & Resettlement Plan	2186	--	--	--	--	--	2186.000
18	Catchment Area Treatment Plan	268.890	--	--	--	--	--	268.890
19	Disaster Management Plan	--	--	--	--	50.000	50.000	100.000
20	Tribal Development Plan	25.000	--	--	--	--	--	25.000
21	Environment Quality Monitoring	1.000	19.700	19.700	19.700	9.850	--	69.950
	TOTAL (Rs. In Lakh)	2999.00	145.950	159.700	128.200	116.100	65.750	3614.695

- i. Skill mapping be undertaken for the youths of the affected project area and based on the skill mapping, necessary trainings to the youths be provided for their long time livelihood generation
- ii. 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.
- iii. 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.
- 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. 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.
- vi. 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.

- vii. 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.

X. Miscellaneous

- i. 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.
- ii. 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.
- iii. 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
- iv. 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.
- v. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- vi. 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.
- vii. 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).
- viii. 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.
- ix. 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 7891/2020 Executive Engineer, Water Resources Division No. II, Office of the Executive Engineer, Dist. Betul , MP, Prior Environment Clearance for Garha Irrigation Project at Village - Garha, Tehsil Betul, Dist. Betul (MP) GCA- 11500 ha., CCA – 8500 ha., GCA 11,500ha., Cat. 1(c) River Valley Projects. Env. Con.- R. S. Envirolink Technologies. Pvt. Ltd. Gurgaon.

This is case of Prior Environment Clearance for Garha Irrigation Project at Village - Kodaroti, Sadar, Dist. Betul (MP).

The case was presented by PP and their consultant wherein PP resented following details:

- The project has a command area of 8500 ha; therefore as per EIA notification of September 2006 and subsequent amendment dated 14th 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.
- This being B2 project; Scoping Clearance and EIA report Preparation is not required; Only Environment Management Plan needs to be prepared for appraisal.
- The project is planned by WRD,MP to provide irrigation & drinking water to Betul, Chicholi and Ghodadongri blocks of Betul district.
- The project is planned to cater irrigation water to 8500 ha of CCA in 31 villages of Betul, Chicholi and Ghodadongri blocks of Betul district.
- The project involves construction of a dam across Machna river, to create gross storage capacity of 39.62 MCM out of which 31.885 MCM will be utilized for lift irrigation scheme and 2.00 MCM for drinking water.
- This will be a 1185 m long Dam (971 m earthen and 214 m concrete/masonry) with a maximum height of 19.86 m from deepest riverbed level.
- Dam will create a Gross storage 39.62 MCM and live storage of 31.885 MCM.
- Water will be lifted through a rising main of 4.5 km up to DC and then distributed by two gravity mains of 10.5 km and 7.5 km long.
- 3.06 cumec of water will be lifted in this scheme during Rabi season only
- Water shall be delivered upto 5 ha chak, beyond which cultivators shall connect their own line and sprinkler system.
- Total 31 villages will be benefitted, 25 villages of Betul CD Block, 5 villages of Chicholi CD Block and 1 village of Ghodadongri CD Block
- Total land requirement for the project is 966.13 ha out of which 12 ha is required for approach road, staff quarters, office, store, rising main, distribution chamber etc. and 954.13 ha comes under submergence.
- Total land requirement of 966.13 ha constitutes of:

- government land: 113.47 ha
- private land: 852.66 ha
- No forest land shall be required for the project.
- A total of 10 villages of Betul CD Block will be affected, out of which 2 villages will involve displacement of families.
- 17 houses (36 nuclear families) will get displaced and resettled; from 2 villages viz. Kodaroti and Padhar Khurd. They will be settled near the same villages on available government land.

After detail discussion, committee has asked the PP to submit the following information:

1. The 36 nuclear families from 17 households will be displaced belong to 2 villages viz. Kodaroti and Padhar Khurd are proposed for R&R involved in this project, status of private land acquisition and copy of action regarding handing over of government land to the WRD .
2. In the proposed project intensive trees failing are proposed, submit inventory of the tree failing proposed.
3. Cross section of proposed dam shall be provided.

PP vide letter dated 07.11.2020 has submitted reply of the above query. The query reply was presented by the PP and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Garha Irrigation Project at Village - Garha, Dist. Betul (MP) GCA- 11500 ha., CCA – 8500 ha., 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 applicable)
- 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. (incase 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.
 - vi. Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crore.

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. 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 during peaking period, 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

- iii. 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.
- iv. 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. Catchment Area Treatment Plan

- ii. Catchment Area Treatment (CAT) Plan as proposed in the EIA/EMP report shall be implemented in consultation with the State Forest Department and shall be implemented in synchronization with the construction of the project.

VI. Waste Management

- i. Muck disposal (120237.00 cum.) 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.
- ii. 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.

VII. Green Belt, EMP Cost, Fisheries and Wildlife Management

- vii. 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.
- viii. Detailed information on species composition particular to fish species from previous study/literature be inventorised 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.
 - ix. Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented in consultation with the local State Forest Department.
 - x. 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.
 - xi. Compensatory afforestation programme shall be implemented as per the plan approved.
 - xii. 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.

VIII. Public hearing and Human health issues

- i. Resettlement & Rehabilitation (R&R) involved in this project hence, Gazette notification of concerned sections under 11&19 shall be obtained and carried out as and when approved by the district administration.
- ii. Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt.
- iii. Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.
- iv. 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
- v. 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.
- vi. 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.
- vii. Early Warning Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast.
- viii. Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Dam Break Analysis.

IX. EMP

A budgetary provision of Rs. 990.09 Lakh is made Environmental Management Plan wherein following activities has been proposed by PP:

Sr. no.	Activities	Capital Cost (Rs. In lakh)	Recurring Cost (Rs. In lakh)					Total Cost (Rs. In lakh)
			Year 1	Year 2	Year 3	Year 4	Year 5	
1	Air Pollution Control	--	12.00	12.00	12.00	--	--	36.00
2	Noise Pollution Control	--	2.00	1.50	1.50	--	--	5.00
3	Water Pollution Control	--	15.00	15.00	15.00	--	--	45.00
4	Fisheries Development	23.55				--	--	23.55
5	Muck Management	--	35.00	35.00	30.00	--	--	100.00
6	Sanitation and Solid Waste Management	30.00	6.00	6.00	6.00	--	--	48.00
7	Facilities in Labour Camp/ Amenities for Workers and PPEs	38.00	9.50	10.50	10.50	--	--	68.50
8	Public Health	35.00	8.00	8.00	8.00	--	--	59.00
9	Energy Conservation Measures	16.00	8.00	8.00	8.00	--	--	40.00
10	Biodiversity Conservation Plan	--	31.88	31.88	10.63	10.63	10.63	95.65
11	Green Belt Development Plan	--	12.75	12.75	4.25	4.25	4.25	38.25
12	Reservoir Rim Treatment	28.28				--	--	28.28
13	Restoration of Construction sites	--		10.00	10.00	--	--	20.00
14	COVID 19 Consideration	--	4.00	3.00	3.00	--	--	10.00
15	Awareness and Training of	--	2.50	2.50	2.50	2.50	2.50	12.50

	Farmers							
16	Rehabilitation & Resettlement Plan	199	--	--	--	--	--	199.00
17	Disaster Management Plan	--	--	--	--	50.00	50.00	100.00
18	Environment Quality Monitoring	1.00	20.12	20.12	20.12	--	--	61.36
	TOTAL (Rs. In Lakh)	370.83	166.75	176.25	141.5	67.38	67.38	990.09

- i. Skill mapping be undertaken for the youths of the affected project area and based on the skill mapping, necessary trainings to the youths be provided for their long time livelihood generation
- ii. 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.
- iii. 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.
- 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. 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.
- vi. 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.

- vii. 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.

X. Miscellaneous

- i. 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.
- ii. 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.
- iii. 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
- iv. 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.
- v. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- vi. 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.
- vii. 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).
- viii. 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.
- ix. 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 7880/2020 Executive Engineer, M/s O.S.P.Canal Division, Office of the Executive Engineer, Dhamnod, Dist. Dhar, MP, Prior Environment Clearance for Badnawar Micro Lift Irrigation Project at Village - Nimbola, Tehsil - Dharampuri, Dist. Dhar, (MP) CCA- 50000 ha. Env. Con.- R. S. Envirolink Technologies. Pvt. Ltd. Gurgaon.

This is case of Badnawar Micro Lift Irrigation Project at Village - Nimbola, Tehsil - Dharampuri, Dist. Dhar, (M.P.). CCA- 50000 ha. Category: 1(c) River Valley Project. The project requires prior EC before commencement of any activity at site.

The case was presented by PP and their consultant wherein the PP stated that as per MOEF notification Part II Section – 3(II) dated 1.12.2009 SO 3067 (E) page no 18 under V, Irrigation projects not involving submergence or inter-state domain shall be appraised by SEIAA as Category B project; therefore Badnawar Micro Lift Irrigation Scheme (CCA 50,000) shall be appraised by SEIAA/SEAC, Madhya Pradesh. Env. Consultant/ PP to submit the following information:

- In Badnawar Micro Lift Irrigation Scheme, water will be lifted from River Narmada near village Mahapura, and distributed by pipeline to meet irrigation water requirement for 50,000 ha (CCA).
- 125 villages of Dhar and Badnawar tehsils of Dhar district will be benefitted.
- All project components and entire command is spread across Dhar district of Madhya Pradesh.
- Project is designed for a discharge of 16.02 cumec.
- **LAND REQUIREMENT: Permanent:**
 - The entire micro irrigation system has been aligned in such a way, that it passes through minimum forest area. However, for laying of Rising main, Electrical lines and Establishing Pump Houses in forest area of about **18 Ha** will be diverted.
 - For construction of pump houses and private land enroute rising main has been estimated as 6 ha.
- **LAND REQUIREMENT: Temporary:**
 - In private or Govt. land the pipe shall be laid 1.00 m below average ground level hence no land for pipes shall be acquired permanently and temporary land acquisition will be done as per the applicable act. Temporary land requirement is estimated as 400 Ha.

Committee after deliberations recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's as annexed as annexure "D":-

- Since project involves 14.13 ha., forest area, F.C. clearance has to be obtained by PP and copy of the same should be submitted with EIA report.
- Bifurcation of RF and PF details, if any.
- The total temporary land requirement is worked out as 26.0 ha.(forest area-18ha.+ 06 ha. construction of pump houses) and 400 ha. private land if any issue involved to R&R, to be elaborated in EIA with proper provisions issued by various State /central Government orders/ notification.
- Muck management plan shall be submitted with EIA report.
- Inventory of the proposed tree felling with compensatory afforestation plan.
- Incorporate awareness/ training activities including of distribution of masks, sanitizers, mass sanitization programme in the project affected villages w.r.t. COVID-19 pandemic.

4. Case No 7879/2020 M/s. Vishwatmak Om Gurudev Engineering Enterprises Pvt. Ltd, Shri Dilip Moradia, Director, 401, Safal View, Sec 20, Plot No. 41/41B, Koperkhairne, Navi Mumbai, Mah., Prior Environment Clearance for Manufacturing of Bulk Drug, Intermediates & API at Plot No. 61, AKVN Industrial Area, Maksi, Dist. Shajapur, (MP) Capacity-74MT/month, Category- 5(f). Synthetic Organic Chemicals Industry (Bulk Drug) Project.

This is case of Prior Environment Clearance for Manufacturing of Bulk Drug, Intermediates & API at Plot No. 61, AKVN Industrial Area, Maksi, Dist. Shajapur, (MP).

The case was presented by the PP and their consultant wherein stated that this is case of Environment Clearance for Manufacturing of Bulk Drug, Intermediates & API at Plot No. 61, AKVN Industrial Area, Maksi, Dist. - Shajapur, (M.P.). Capacity – 74 MT/Month. The proposed project falls under item no 5(f) i.e. Synthetic organic chemicals hence requires prior EC from SEIAA before initiation of activity at site.

During presentation PP has submitted that in the context of pandemic COVID -19, GoI's MoEF&CC issued a OM vide dated 13.04.2020, for considering the API & Bulk drug Projects will be considered as B-2 category. PP has submitted following project details:

- Project site is located at plot no. 61, Industrial area of Maksi in Dist.- Shajapur (M.P.)

- Presently having consent to establishment (CTE) of solvent distillation and already applied for consent to operate (CTO) for the same.
- Now as diversification, company has proposed to manufacture various intermediates which are used as bulk drug intermediates and API (Active Pharmaceutical Industries) intermediates.
- Due to recent outbreak of covid-19 pandemic, the demand for life saving and essential drugs is very high eventually causing high demand for bulk drug intermediates.

Project Details:

Required details	Project Details
Site Address	Plot No. 61, AKVN, Industrial Area, Maksi. Dist. Shajapur-(M.P.) 465106
Name of Product	Chlorhexidine Base, PHMB 20 % in water, , Para chloro meta xylenole, Para chloro phenol N-Propyl Bromide , 5-chloro-1-methyl-4-nitro-1Himidazole, Sodium marcapirone, Chlorhexidine gluconate 20 %, 4,7 dichloro quinolone
Production Capacity	74 MT/Month (Proposed)
Product type	Active Pharmaceutical Ingredients(API)
Boiler capacity	1 TPH(wood,coal)
Power Requirement	80 HP
Land Area	2050 Sq.mt.
Water Requirement & Source	3600 Liter per Day by Tanker/Borewell
Manpower Requirement	25 Nos.
Green belt Area	676.5 Sq.mt.
ETP	3 KLD ETP followed by RO and followed by Evaporator (ZLD based)
DG set	35 KVA -01 no
Scrubber	1000 Ltrs 1 no.
Cost of Project	1 Cr
EMP Cost (Capital)	15.65 Lacs
EMP cost (recurring)	4.91 lacs
CER	1 Lacs
Consent to Establishment for Solvent distillation	Valid till 31/08/2024
Consent to Operate for Solvent distillation	Already applied

Raw Materials:

Sr No	Raw Materials	Max Storage Capacity (kg)	Mode of Storage (Drums/Bags/Containers/Tank)	Source (Local/within MP/Outside MP/Imported)
1	Hexamethylenediamine	7500	Drums	Imported
2	Butanol	15000	Tank/Drums/IBC	Outside MP
3	Hydrochloric acid	2000	Drums	Within MP
4	Sodiumdicynamide	10000	Bags	Imported
5	Parachloroaniline HCl	5000	Bags	Outside MP
6	Sodium hydroxide	2800	Bags	Within MP
7	Methanol	10000	Tank/Drums	Outside MP
8	Triethyl amine	2000	Drums	Outside MP
9	Meta Xylenol	4000	Drums	Outside MP
10	Sulfuric chloride	5000	Drums	Outside MP
11	Phenol	4000	Drums	Outside MP
12	N- Propyl alcohol	5000	Drums	Outside MP
13	Liquid paraffin	2000	Drums	Outside MP
14	Bromine	2000	3 kg Bottel	Outside MP
15	5-chloro 1methyl 1 H imidazole	800	Bags	Outside MP
16	Sulfuric acid	300	Carbo HDP	Within MP
17	Nitric acid	400	Carbo HDP	Within MP
18	Hypoxanthine	600	Bags	Imported

19	Phosphorus penta sulfide	200	Drums	Outside MP
20	Pyridine	400	Drums	Outside MP
21	Chlorhexidine base	2000	Bags	In House
22	Deltaglucono lactone	2000	Bags	Imported
23	m-chloroaniline	1480	Drums	Outside MP
24	Ethyl ethoxymethylenemalonate	282	Drums	Outside MP
25	Skellysolve	1000	Drums	Outside MP
26	Phosphorus oxychloride	500	Carbo HDP	Outside MP

Equipment List – Existing & Proposed

Sr. No.	Equipment	Existing Quantity	Proposed Quantity	Total Quantity
1	6.3 KL Glass Lined Reactor	1	0	1
2	4 KL Glass Lined Reactor	1	1	2
3	3 KL Glass Lined Reactor	0	1	1
4	5 KL Stainless Steel Reactor	0	1	1
5	4 KL Stainless Steel Reactor	2	0	2
6	0.8 KL Stainless Steel Mixer	1	0	1
7	5 KL Reboiler	0	1	1
8	Centrifuge 48"	2	0	2
9	Agitated Notch cum Filter Dryer 3 KL	0	1	1
10	Tray Dryer 96 Trey	1	1	2
11	Scrubber	0	1	1
12	Ejector	1	0	1
13	Steam Boiler	1	0	1
14	Cooling tower	1	0	1
15	Chilling plant	1	0	1
16	RO Plant	0	1	1
17	Solvent transfer pump	2	0	2
18	Storage tank	2	0	2

After presentation, PP was asked to submit of following details:

1. Details of by-product during manufacturing and their management plan.
2. Ash management plan.
3. Volume of C& D waste generation and its management plan.
4. Justification for high & low COD value in the water quality analysis.
5. Details of Hazardous waste during process.
6. Revised details of plantation.
7. Revised EMP incorporating CER activities, as suggested by the committee during presentation.

PP vide letter dated 07/11/2020 submitted reply of the above query. The query reply was placed before the committee, after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Manufacturing of Bulk Drug, Intermediates & API at Plot No. 61, AKVN Industrial Area, Maksi, Dist. Shajapur, (MP) Capacity-74MT/month, Category-Synthetic Organic Chemicals Industry (Bulk Drug) Project, subject to the following special conditions:

List of Proposed EC Product

Sr. No.	Product Name	Proposed (MT/PM)	Quantity
1.	Chlorhexidine Base	20	
2.	PHMB 20 % in water	05	
3.	Pera chloro meta xlenol	05	
4.	Para chloro phenol	05	
5.	N-Propyl Bromide	05	
6.	5-chloro-1-methyl-4-nitro-1H-imidazole	1	
7.	Sodium marcapirone	1	

8.	Chlorhexidine gluconate 20 %	30
9.	4,7 dichloro quinolone	02
	Total (MT/PM)	74

(A) Statutory compliance:

1. 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 Madhya Pradesh Pollution Control Board (MPPCB).
2. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time & permission of competent authority if ant tree falling is to be carried out.
3. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.
4. The existing solvent refining plant (for which CTE is obtained from the MP Pollution Control Board) will be used as captive solvent extraction unit for refining of waste solvents of this API unit.

(B) Air quality monitoring and preservation

1. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
2. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions from the boiler, DG set and scrubber shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
3. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

4. The DG sets (35 KVA shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
5. DG exhaust will be discharged at height stipulated by CPCB.
6. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
7. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

(C) Water quality monitoring and preservation

1. As already committed by the project proponent Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
2. The net fresh water requirement shall be 3.6 KLD. The rejected water will be reused for floor washing and gardening/green belt. The treated water will be used for cooling towers, floor washing and gardening/green belt.
3. The waste water generation shall be segregated as high COD/high TDS, Low COD, Low TDS and domestic effluents. The HCOD/HTDS shall be neutralized and sent to stripper followed by MEE and ATFD. LCOD/LTDS effluent shall be treated in ETP with domestic effluent followed by RO system. The treated effluent shall be entirely reused and recycled in cooling tower make-up.
4. The industrial water requirement for the existing and proposed project is 3.6 KLD per day sourced from surface water supply. Total cumulative waste water generation from existing and proposed unit will be 1.8 KLD and treated in ETP of 01.5 KLD .
5. Adhere to 'Zero Liquid Discharge and No industrial effluent from the unit shall be discharged outside the plant premises. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
6. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the Madhya Pradesh Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
7. Total fresh water requirement shall not exceed 3.6 KLD.

8. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
9. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
10. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

(C) Noise monitoring and prevention

1. Acoustic enclosure shall be provided to proposed 35 KVA DG sets for controlling the noise pollution.
2. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
3. 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.

(E) Energy Conservation measures

1. The energy sources for lighting purposes shall preferably be LED based.
2. The total power requirements for project will be 80HP. The power will be supplied by Power Generator i.e. Grid power.

(F) Waste management

1. PP will explore the possibility of using cleaner fuel option like gas in place of coal in future.
2. The generated fly ash will be given to the bricks manufacture.
3. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
4. As proposed, 95% solvent recovery shall be achieved and recovered solvent shall be reused in the process.
5. Hazardous wastes such as spent solvents, organic incinerable wastes/residues, used filter bags, packaging materials, rejected/expired raw materials and off specification/ rejected finished products from the manufacturing plants shall be directly sent to CTSDf, Dhar.

6. The Fly ash generated from boilers shall be stored in silos and disposed of through cement manufacturers by bulkers / closed containers and should comply with Fly Ash Utilization Notification, 1999 and as amended subsequently.
7. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
8. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
9. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.
10. Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.
11. The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
12. Storage areas should be provided with adequate number of spill kits at suitable locations. The spill kits should be provided with compatible sorbent material in adequate quantity.
13. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
14. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
15. All the storage tanks of raw materials/products shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls of suitable height shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.
16. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
17. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
18. The company shall undertake waste minimization measures as below:
 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - c. Use of automated filling to minimize spillage.

- d.** Use of Close Feed system into batch reactors.
- e.** Venting equipment through vapour recovery system.
- f.** Use of high pressure hoses for equipment clearing to reduce wastewater generation.

(G) Green Belt

1. 676.5 sq. meter area will be covered with the good green belt .The green belt of 5-10 m width will be developed mainly along the periphery and road side. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department.
2. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
3. PP shall also develop green belt along the road with 100 numbers of trees. Further PP shall develop green belt over community places in consultation with DIC or IMC.

(H) Safety, Public hearing and Human health issues

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
3. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
4. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
5. 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

6. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
7. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

(I) EMP

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. 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.
3. 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.
4. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
5. The proposed EMP cost is Rs. 16.65 Lakh as capital and 4.91 Lakh /year as recurring cost. In Environmental Management Plan following activities has been proposed by PP:

S.No.	Activities	Proposed Investment	Recurring Cost/ year (Rs)
	ENVIRONMENT MANAGEMENT PLAN		
1	Wastewater Management Zero Discharge Facility		
1.1	Installation of New Effluent Treatment	11,00,000	1,50,000
2	Installation of process gaseous pollutants scrubber and Maintenance	1,00,000	10,000
3	Plantation activities		

3.1	Civil activities for plantation	50,000	30,000
3.2	Labor Charges	70,000	1,26,000
4	Pollution Monitoring Facility Development		
4.1	Cost of pH meter /TDS meter, DO meter /COD analyzer	1,50,000	5,000
4.2	LAB Setup	15,000	5,000
4.3	Chemicals Cost	5,000	5,000
4.4	Outsource monitoring cost	-	50,000
5	Training and Awareness		
5.1	Participation into various environment health and safety related workshop, seminars, and training programmes.	5,000	5,000
5.2	Conduction in-house training for supervisors, operators and contractual workers	5,000	40,000
5.3	Celebration of World environment day, national safety week etc.	5,000	5,000
6	Personal Protective Equipment and Medical Checkups (Helmet, Safety Shoes, Nose masks, Aprons, Respiratory and Breathing Masks)	60,000	60,000
7	PPE kits, Hand sanitizer etc for Covid-19 awareness	1,00,000	--
	TOTAL	16,65,000	4,91,000

6. 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.
7. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

J. Miscellaneous

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
2. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.
3. 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.
4. 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).
5. 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.

5. Case No 7892/2020 M/s D.P.Wellness Pvt. Ltd, Shri Hemant Kantilal Katariya, Director, 39-44, Industrial Area, Dist. Ratlam, MP - 457001, Prior Environment Clearance for Manufacturing of Bulk Drug, Intermediates & API at Plot No. 61, AKVN Industrial Area, Maksi, Dist. - Shajapur, (M.P.). Capacity – 1600 TPA. Env. Con.- Creative Enviro Services, Bhopal (M.P.)

This is case of Prior Environment Clearance for Manufacturing of Bulk Drug, Intermediates & API at Plot No. 61, AKVN Industrial Area, Maksi, Dist. - Shajapur, (M.P.). Capacity – 1600 TPA.

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

6. Case No 7893/2020 M/s Sagar Stone Industries, 765/1, Napier Town, Dist. Jabalpur, MP Prior Environment Clearance for Capacity Expansion of Existing Benefication Plant from 90000 TPA to 480000 TPA at Village - Dhamki, Tehsil - Sihora, Dist. Jabalpur (MP), Category:2(b).

This is case of Prior Environment Clearance for Capacity Expansion of Existing Benefication Plant from 90,000 TPA to 4,80,000 TPA at Village - Dhamki, Tehsil - Sihora, Dist. Jabalpur (MP).

This is an ore beneficiation project comprising beneficiation of Iron Ore. The project is covered under the provisions of EIA notification as item no. 2 (b), hence requires prior EC from SEIAA. Application submitted by the PP was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP.

After deliberations committee recommended the Standard TOR as stipulated by the MoEF&Cc with inclusion of following additional TOR and as per Annexure-D to be addressed in the EIA / EMP report may be issued:

1. Capacity expansion of existing beneficiation plant from 90,000 TPA to 4,80,000 TPA hence, compliance of earlier issued EC with the EIA report.
2. Present scenario of tailing disposal with photographs and other documentary proofs.
3. Copy of last six monthly compliance reports submitted with the EIA report.
4. Ground-water study w.r.t to heavy metals concentration to be furnished.
5. Lechate study should also be carried out on suitable locations
6. Complete ore analyses to be furnished.
7. Canal protection plan shall be submitted.
8. Water balance with source of water to be furnished along with the consent / permission for supply of requisite quantum of water from the competent authority.
9. Proposal for 'Zero Liquid Discharge'.
10. Environmentally sustainable disposal of the Tailing residue to be addressed in the EIA report.
11. Mass balance for the solid waste (tailings residue) for entire plant to be presented in the EIA Report.
12. Health survey report of the workers is to be submitted by the PP.
13. Inventory of all the trees planted by the PP after first EC.
14. Photographs of the existing plantation are to be submitted in the EIA report.
15. Complete details of the Tailing Pond including the lining, dimensions, capacity and proposed locations of peizometers etc.

7. Case No 7194/2020 M/s Glowide Infrastructure Pvt. Ltd, "Artefact Towers", 54/3, Chhatrapati Square, Wardha Road, Dist. Nagpur, Mah. - 440015 Prior Environment Clearance for Expansion of Manganese Ore Mine in an area of 6.159 ha. (3000 TPA to 12821 TPA) (Khasra No. 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 102), Village - Jarah Mohgaon, Tehsil - Katangi, Dist. Balaghat (MP).

This is case of Expansion of Manganese Ore Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 102), Village - Jarah Mohgaon, Tehsil - Katangi, Dist. Balaghat (MP) 6.159 Ha. The project requires prior EC before commencement of any activity at site.

The case was scheduled for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in 443th meeting dated 02/07/2020 & 441th SEAC meeting dated 15/06/2020. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was scheduled for presentation, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in 441th SEAC meeting dated 15/06/2020 & 443th meeting dated 02/07/2020. 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

PP vide letter dated 08/09/20 which was forwarded by the SEIAA vide no. 4094 dated 22/10/2020 has requested to relist the case as due to serious pandemic situation in Nagpur and identification of 3-4 covid positive cases in his office, document preparation activity got hindered which caused unable to PP to attended the meeting at scheduled time period but now PP is ready to present their case in SEAC. Considering the request of PP, it was decided to relist the case.

The case was presented by the PP and their consultant wherein it was recorded that being it's a case of major mineral, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Capacity expansion of existing beneficiation plant from 3,000 TPA to 12,821 TPA hence, compliance of earlier issued EC with the EIA report.
 2. Copy of last six monthly compliance reports submitted with the EIA report.
 3. Hydro-geological study w.r.t. as Ground-water intersection is proposed.
 4. A canal is existing in the about >300 meters in the west side of the lease, pucca road >45 meters and a school < 400 meters hence, in the EIA report detailed- out proposed blasting parameters with peak particles velocity, spacing between two holes, depth of charging, explosive used for per hole, powder factor , quantity of explosive per blasting etc. Give such details in an integrated protection measures to avoid fly rocks projectile due to blasting.
 5. Compliance of consent conditions of M. P. Pollution Control Board from concerned Regional Office.
 6. Some trees are in existence in the lease area thus PP should submit inventory of all the existing trees and if tree falling is proposed same should be discussed in EIA report.
8. **Case No 7868/2020 M/s Maa Bhagwati Construction, Shri Govind Singh S/o Shri Dule Singh, Proprietor, 23, Tilgari, Tehsil - Shamgarh, Dist. Shamgarh, UP, Prior Environment Clearance for Sand Quarry in an area of 2.0 ha. (45000 cum per annum) (Khasra No. 803), Village - Guradiyagond, Tehsil - Sitamau, Dist. Mandsaur (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at) (Khasra No. 803), Village - Guradiyagond, Tehsil - Sitamau, Dist. Mandsaur (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Praman-Patr) letter no. 1641 dated: 23.5.20 has reported that there are no more mines operating or proposed within 500 meters around the said mine .

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

9. Case No 7870/2020 M/s Maa Bhagwati Construction, Shri Govind Singh S/o Shri Dule Singh, Proprietor, 23, Tilgari, Tehsil - Shamgarh, Dist. Shamgarh, UP, Prior Environment Clearance for Sand Quarry in an area of 3.68 ha. (29700 cum per annum) (Khasra No. 40, 105, 210), Village - Shakkarkhedi, Tehsil - Sitamau, Dist. Mandsaur (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at) (Khasra No. 40, 105, 210), Village - Shakkarkhedi, Tehsil - Sitamau, Dist. Mandsaur (MP) 3.68 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 (Praman-Patr) letter no. 1640 dated: 23.5.20 has reported that there are no more mines operating or proposed within 500 meters around the said mine .

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

10. Case No 7871/2020 M/s Maa Bhagwati Construction, Shri Govind Singh S/o Shri Dule Singh, Proprietor, 23, Tilgari, Tehsil - Shamgarh, Dist. Shamgarh, UP, Prior Environment Clearance for Sand Quarry in an area of 4.50 ha. (30000 cum per annum) (Khasra No. 57), Village - Khaikheda, Tehsil - Sitamau, Dist. Mandsaur (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at) (Khasra No. 57), Village - Khaikheda, Tehsil - Sitamau, Dist. Mandsaur (MP) 4.50 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Praman-Patr) letter no. 1633 dated: 23.5.20 has reported that there are no more mines operating or proposed within 500 meters around the said mine .

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

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

11. Case No 7872/2020 M/s Maa Bhagwati Construction, Shri Govind Singh S/o Shri Dule Singh, Proprietor, 23, Tilgari, Tehsil - Shamgarh, Dist. Shamgarh, UP, Prior Environment Clearance for Sand Quarry in an area of 4.50 ha. (30000 cum per annum) (Khasra No. 4), Village - Ranayara, Tehsil - Sitamau, Dist. Mandsaur (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at) (Khasra No. 4), Village - Ranayara, Tehsil - Sitamau, Dist. Mandsaur (MP) 4.50 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Praman-Patr) letter no. 1642 dated: 23.5.20 has reported that there are no more mines operating or proposed within 500 meters around the said mine .

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

12. Case No 7873/2020 M/s Maa Bhagwati Construction, Shri Govind Singh S/o Shri Dule Singh, Proprietor, 23, Tilgari, Tehsil - Shamgarh, Dist. Shamgarh, UP, Prior Environment Clearance for Sand Quarry in an area of 4.0 ha. (30600 cum per annum) (Khasra No. 243), Village - Shakkarkhedi Jagir, Tehsil - Sitamau, Dist. Mandsaur (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 243, Village - Shakkarkhedi Jagir, Tehsil - Sitamau, Dist. Mandsaur (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

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

duly verified in the Collector Office (Praman-Patr) letter no. 1638 dated: 23.5.20 has reported that there are no more mines operating or proposed within 500 meters around the said mine .

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

13. Case No 7874/2020 M/s Maa Bhagwati Construction, Shri Govind Singh S/o Shri Dule Singh, Proprietor, 23, Tilgari, Tehsil - Shamgarh, Dist. Shamgarh, UP, Prior Environment Clearance for Sand Quarry in an area of 4.0 ha. (30600 cum per annum) (Khasra No. 1), Village - Aranyagond, Tehsil - Sitamau, Dist. Mandsaur (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 1, Village - Aranyagond, Tehsil - Sitamau, Dist. Mandsaur (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Praman-Patr) letter no. 1639 dated: 23.5.20 has reported that there are no more mines operating or proposed within 500 meters around the said mine .

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

14. Case No 7869/2020 Shri Ashish Kumar Tiwari S/o Shri Rajendra Prasad Tiwari, Village - Chamaridol, Tehsil - Sarai, Dist. Singrauli, MP - 486886, Prior Environment Clearance for Stone Quarry in an area of 1.250 ha. (13235 cum per annum) (Khasra No. 3081/1), Village - Jhara, Tehsil - Sarai, Dist. Singrauli (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 3081/1, Village - Jhara, Tehsil - Sarai, Dist. Singrauli (MP) 1.250 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Praman-Patr) letter no. 3959 dated: 11.11.2019 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 in the south- west corner of the lease 02 sets of High Tension lines are passing and considering the safety, PP have to left out 50 meters area as non- mining zone as safety point of view. PP stated that no blasting is proposed for proposed mining only rock barker shall be deployed for mining also, some trees are existing within lease and they shall be kept intact and no tree failing is proposed. After presentation the committee asked to submit following details:

- Revised surface map showing 50 meters area as non- mining zone from the HT line to the lease.
- Revised plantation details as suggested during presentation (@1500 trees per hactare).
- Revised EMP with appropriate additional budget plantation as suggested during presentation by the committee.

PP has submitted the response of above quarries same date vide letter dated 07.11.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 13,235 cum per annum.
2. Following provisions are made by PP in proposed EMP:

S NO.	Particulars	Budget Provisions (Rs)	
		Capital	Recurrin g
1	A. Hiring of water tanker (3,500L) for sprinkling facility for outgoing & incoming vehicle with pipeline @Rs 80/day (PP owned tanker) for 300 days – Rs 30,000/-	10000	20,000

2	Garland Drain (1.5 m Wide & 1 m Deep & 100m Long) 1. Settling Tank is of 4 m wide, 10m long & 2.5 m deep. 2. Settling Tank is of 4 m wide, 10 m long & 2.5 m deep. All settling tanks will be of double “S” pattern.	25,000	5,000
3	A. Sowing of the Prosobis seeds along the excavated garland drain. B. Development of the grassland on the suitable available land in the ML area at the end of mine life	8,000	1,500
4	Contribution in already existing W.B.M. Road widening and Maintenance (Road length approx 500m, Width 3.0m - (edge to edge excluding shoulders) (approx @ Rs 100/meter.)	40,000	8,000
5	Monitoring twice a year AAQM @20000/yr, Water@10000/yr, Noise@10000/yr, Soil @10000/yr	NIL	50,000
6	Plantation (750plants/year will be planted)		
	A. With in Lease Area (In Barrier Zone) @ 250rs./tree (100nos)	15,000	10,000
	B.Outside the Lease Area(along approach road and village area) @500rs./tree (840nos)	2,52,000	1,68,000
	C. Cost of fertile soil to be brought from outside @ Rs 100 per cubic meter . Each tree to take approx 0.091 cubic meter , therefore approx 60 cubic meters to be utilized in the plantation of 750 trees/year		8000
7	Wire fence (150m long) (@Rs 30/m)	5000	1000
8.	PUC certification of vehicles (5 tractor-trolley@ Rs 300 per tractor-trolley)	-	1,500
Labor Welfare			
9	Drinking Water Facility and rest shelter (20x 15 ft.) with solar light	50,000	8,000
10	Toilets 2 nos (Male & Female) 12500 x 2	25,000	5,000
11	Occupational health checkup for 20 workers (@twice/year)@ 1000 x 2 x20	Nil	40,000
12	Provision of PPEs (helmets, safety shoes, safety glasses, gloves - (20x	40,000	5000

	Rs2000)		
Emergency Rescue Plan			
13	Fire Fighting Equipments (1 Nos) @ 20000 / fire fighting and first aid @ 2000 per kit	22,000	5,000
14	Safety signage and warning boards like red flags, cones & reflector etc.	5000	2000
Solid Waste Management			
15	a) Bins 2Nos @ Rs 1000 each	2000	3,000
	b) Pit and Composting	3000	
	c) Transport of Dry Waste	2,000	
16	PPE kits, Hand sanitizer etc for Covid-19 awareness		30,000
	Total	5,06,000	3,70,500

15. Case No 7867/2020 M/s Ambey Suppliers Pvt. Ltd, Authorized Person, Shri Jitendra Singh Bhadoriya, B-3, 1st Floor Floor, Saket, New Delhi - 110017, Prior Environment Clearance for Sand Quarry in an area of 4.665 ha. (7000 cum per annum) (Khasra No. 2/14, 2/16, 2/17), Village - Rehancode, Tehsil - Thikri, Dist. Barwani (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 2/14, 2/16, 2/17, Village - Rehancode, Tehsil - Thikri, Dist. Barwani (MP) 4.665 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 (Praman-Patr) letter no. 1286 dated: 22.09.2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine .

The case was presented by the PP and their consultant during presentation as Google image based on coordinates provided by PP, it was observed that this is a Khodu-Bharu type sand mine and such sand deposits are accumulated in the filled due to erosion and recurrence flood

by river in the long course of time. After presentation the committee asked to submit following details:

- Justification regarding why lease area in three parts.
- Revised plantation details as suggested during presentation (@1500 trees per hectare).
- Revised EMP with appropriate additional budget plantation as suggested during presentation by the committee.

PP has submitted the response of above quarries same date vide letter dated 07.11.2020, which was placed before the committee and the same found satisfactory. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence Committee after deliberation found that the EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'C':

1. Production of Sand as per mine plan with quantity not exceeding 7,000 cum/year.
2. Following provisions are made by PP in proposed EMP:

S. No.	Particulars	Budget Provisions (Rs)	
		Capital	Recurring
1.	Hiring of water tanker (3,500L) @Rs 100/day (PP owned tanker) for 240 days – Rs 24,000/-	-	24,000
2.	Contribution in W.B.M. Road Maintenance (Road length approx 900 m, Width 4m - (excluding shoulders) (Approx @Rs 300/meter) with provision of two rumble steps locations on approach road and a curve (minimum dia of 10m) at T junction	2,50,000	8,000
3.	Monitoring twice a year AAQM @20000/yr, Water@10000/yr, Noise@10000/yr, Soil@10000/yr	NIL	50,000
4.	A. Development of the grassland near the river bank in order to protect bank erosion-	5,000	2,000
5.	Plantation (2340 plants/year will be planted)		

	A) Outside the Lease Area(along approach road and village area) @500rs./tree (2340nos/year)	7,02,000	4,68,000
	B. Cost of fertile soil to be brought from outside @ Rs 250 per cubic meter . Each tree to take approx 0.091 cubic meter , therefore approx 170 cubic meters to be utilized in the plantation of 1870trees	-	53,000
6.	PUC certification of vehicles (3 tractor/small dumpers @ Rs 500 per dumper)	-	1500
Labor Welfare			
7.	Drinking Water Facility, rest shelter (20 x15 ft.) with solar light-	50,000	5,000
8.	Toilets 1 nos (Male & Female) 12500 x 1	12,500	2,000
9.	Occupational health checkup for 8 workers (@twice/year)@ 1000 x 2 x8	Nil	16,000
10.	Provision of PPEs (helmets, safety shoes, safety glasses, gloves) @ (10x Rs 2000)	20,000	2,000
11	Provision of life Jacket for workers 1nos @Rs 2000/ jacket	2,000	2,000
Emergency Rescue Plan			
12.	Fire Fighting Equipments (1 Nos) @ 20000 / fire fighting and first aid @ 2000 per kit-	22,000	8,000
13.	Safety signage and warning boards like cones, Reflectors etc.	8,000	3,000
Solid Waste Management			
14.	a) Bins 2 Nos @ Rs 1500 each	3,000	5,000
	b) Pit and Composting	4000	
	c) Transport of Dry Waste	4000	
15.	PPE kits, Hand sanitizer etc for Covid-19 awareness		75,000
	Total	10,82,500	7,20,000

16. Case No 7878/2020 Shri Shishir Khandar, Samashish Bhavan, 18, Malik Complex, Tenament Hotel, Airport Center Plient, Somalwada, Wardha Road, Dist. Nagpur, Mah. 440025, Prior Environment Clearance for Sand Quarry in an area of 2.0 ha. (5000 cum per annum) (Khasra No. 01), Village - Phutera, Tehsil - Parasia, Dist. Chhindwara (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 01, Village - Phutera, Tehsil - Parasia, Dist. Chhindwara (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Praman-Patr) letter no. 3523 dated: 23.09.2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine .

The case was presented by the PP and their consultant during presentation as Google image based on coordinates provided by PP, it was observed that this is a Khodu-Bharu type sand mine and such sand deposits are accumulated in the filled due to erosion and recurrence flood by river in the long course of time. After presentation the committee asked to submit following details:

- Revised plantation details as suggested during presentation (@1500 trees per hectare).
- Revised EMP with appropriate additional budget plantation as suggested during presentation by the committee.

PP has submitted the response of above quarries same date vide letter dated 07.11.2020, which was placed before the committee and the same found satisfactory. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence Committee after deliberation found that the EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'C':

1. Production of Sand as per mine plan with quantity not exceeding 5,000 cum/year.
2. Following provisions are made by PP in proposed EMP:

S .no.	Particulars	Budget Provisions (Rs)	
		Capital	Recurring
1	water sprinkle facility by Water Tanker for outgoing and incoming transportation vehicles for haul and transportation- 400rs/Tanker, 1 Tanker per day, 200 tankers in 200 working days = 80000	-	80,000
2	Contribution in Maintenance of W.B.M. Road (800m), Speed Breaker, Sign Boards, T Point.	4,00,000	50,000
3	Monitoring twice a year AAQM @20000/yr, Water@10000/yr, Noise@10000/yr	NIL	40,000
4	Plantation (1500 saplings) per year Approach Road and village area - 150 saplings, 1500@200rs. /tree	1,60,000	40,000
5	PUC certification of vehicles and maintenance (1 Vehicles @ Rs 2500)	-	2500
6	Drinking Water Facility and rest shelter (10X20 m) with solar light	50,000	10,000
7	Separate Toilets nearby the Mine area (2 *15000)	30,000	5,000
8	Occupational health checkup in a year for 08 workers (@twice/year) @ 500 x 2 x 08	Nil	8,000
9	Provision of PPEs (helmets, safety shoes, Life Saving Jacket, safety glasses, gloves etc. (08 x 2000)	16,000	2,000
10	Fire Fighting Equipments (2 Nos) @ 20000 / firefighting and first aid @ 2000 per kit	42,000	10,000
11	Development of Grazing Land		10,000
12	PPE kits, Hand sanitizer etc for Covid-19 awareness	1,00,000	
	Total	9,08,000	2,57,500

17. Case No 7876/2020 M/s R.K.Gupta Contractors and Engineers Pvt. Ltd, Authorized Person, Shri Rajendra Kumar Gupta, B-72, Shahpura, Dist. Bhopal, MP - 451115, Prior Environment Clearance for Sand Quarry in an area of 4.0 ha. (10,000 cum per annum) (Khasra No. 54/3), Village - Dehriya, Tehsil - Barwah, Dist. Khargone (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 54/3, Village - Dehriya, Tehsil - Barwah, Dist. Khargone (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Praman-Patr) letter no. 2617 dated: 18.09.2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine .

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining on Narmada River. During presentation as per Google image based on coordinates provided by PP, it was observed that the part of the lease is submerged in the water for which PP submitted that they will left submerged as non – mining area . The mining shall be carried out by manually. After presentation the committee asked to submit following details:

1. Revised surface map showing non– mining area as part of the lease is submerged in the water.
2. Revised plantation details as suggested during presentation (@1500 trees per hactare).
3. Revised EMP with appropriate additional budget plantation as suggested during presentation by the committee.

PP has submitted the response of above queries same date vide letter dated 07.11.2020, which was placed before the committee. Committee observed that even after deducting the volume of sand in the non– mining area, the sanctioned volume of sand can be evacuated from the available dry area as per the revised plan submitted by PP. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case

for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 10,000 cum/year.
2. Following provisions are made by PP in proposed EMP:

Sr. No.	Particular		Capital Cost in Rupees	Recurring Cost in Rupees
1(a)	Water Sprinkling through sprinkling tankers on both haul road and transportation road for all the incoming and outgoing trucks		Nil	20,000
1(b)	Cost of water of 5KLD @400/3KLD		NIL	1,80,000
2.	Approach Road Maintenance (Length Approx. 1.0km & width Approx. 7.5m)		6,00,000	20,000
3.	Plantation 6000 plants	6000 plants on approach road & along the river bank	30,00,000	20,000
4.	Drinking Water Facility for labour and staff (30)		NIL	30,000
5.	Separate Toilets for Male and Female@15000*2		30,000	5,000
6.	Occupational Medical Check-up of workers@500*30*2(twice in a year)		NIL	30000
7.	Fire fighting equipments@25000*2		50,000	5,000
8.	PPES(helmet, boots, masks & safety belts) – 30workers @1500 per person		45,000	5000
9.	Shelter rooms For labours(30*30)=900Square feet		50,000	5000
10.	Two dustbins & solid waste managements		10,000	5000

11.	Yearly PUC certification for trucks @2000*6	NIL	12000
12.	Solar lights use at site office	40,000	5000
13.	First Aid kit & life jackets (5)	15000	5000
14.	Caution boards for warning	5000	-
15.	Development of grazing land along river banks	NIL	10000
	Total	38,45,000	3,57,000
16.	PPE kits, Hand sanitizer etc for Covid-19 awareness	60,000	

18. Case No 7882/2020 M/s R.K.Transport and Construction Ltd, Shri Sachin Agrawal, Prop., 65-A, Transport Nagar, Dist. Korba, CG - 486889 Prior Environment Clearance for Sand Quarry in an area of 4.95 ha. (130530 cum per annum) (Khasra No. 01), Village - Thatara, Tehsil - Chitrangi, Dist. Singrauli (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 01, Village - Thatara, Tehsil - Chitrangi, Dist. Singrauli (MP) 4.95 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 (Praman-Patr) letter no. 4236 dated: 03.09.2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine .

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining on Sone River. Moreover, in the Ekal Pramana Patra mentioned that the proposed site is located 1138 meters from ESZ of Sone Ghariyal Wildlife Sanctuary. In this context vide notification S.O. 4030 (E), December 14, 2016, Son Ghariyal Wildlife Sanctuary (ESZ) also confirmed extent of the ESZ that is 1.0KM around the boundary of Sone Ghariyal Wildlife Sanctuary. During presentation it was observed that part of lease is submerged in river water for which PP submitted that after rainy season the lease becomes dry and that will

not mine sand from the submerged area. After presentation the committee asked to submit following details:

1. PP's commitment that no in- stream mining shall be carried out.
2. Revised plantation details as suggested during presentation (@1500 trees per hectare).
3. Revised EMP with appropriate additional budget plantation as suggested during presentation by the committee.

PP has submitted the response of above queries same date vide letter dated 07.11.2020, which was placed before the committee. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 1,30,530 cum/year.
2. Following provisions are made by PP in proposed EMP:

Particular	Capital	Recurring
Dust Suppression through tanker over Transport road, 1.50 km road * 7.50m (15Rs/km) Approx running per day 20.00 km (12 trip per day) @200 day = 4000Km	-	0.60
Sub Total	-	0.60
Plantation (Capital cost) in village area (7400@355rs)	26.27	-
Maintenance of Plantation (village area & lease area) 6000 @ Rs 45 /- per plant	-	3.38
Plantation (Capital cost) along the river bank 100no. @145	0.145	-
Sub Total	26.42	3.38
Roads repair and maintenance (1.50 km X 7.5mW@2.0 lakh per Km)	-	3.00
Construction of WBM Road (1.50km X 7.5mW@9.0 lakh per Km)	13.50	
Sub Total	13.50	3.00
Personal Protective Equipments (Mask, Gloves, Goggles) for 60 labours @1000	0.60	0.60

Medical Checkup facility, first aid and other welfare activities for 60 labours @1500	0.90	0.90
Fire fighting arrangement 6kg fire extinguisher @2no @ 2000/-, Caution board,	0.04	0.01
PUC Certification of vehicles @500 per vehicles	-	0.05
Provision of life jacket, mask for workers 10No.@1500	0.15	-
Sub Total	1.69	1.56
MSW Waste Management 04 no. dusts bin capacity @2kg each @1000.00	0.04	0.10
Sub Total	0.04	0.10
Environmental Monitoring cost	8.50	6.50
Sub Total	8.50	6.50
Total EMP cost	44.82	14.46
For social upliftment of nearby area.	2.50	0.00
Sub Total	2.50	0.00
Grand Total	52.65	15.14

19. Case No 7875/2020 Shri Trilok Patel S/o Shri Madhusudan Patel, Village - Maharajkhedi Balkhad, Tehsil - Kasrawad, Dist. Khargone, MP - 451228 Prior Environment Clearance for Murrum Quarry in an area of 2.0 ha. (5000 cum per annum) (Khasra No. 253), Village - Balkhad, Tehsil - Kasrawad, Dist. Khargone (MP)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 253, Village - Balkhad, Tehsil - Kasrawad, Dist. Khargone (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Praman-Patr) letter no. 3374 dated: 01.10.2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 04 ha. including this mine.

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

20. Case No 7881/2020 Shri Santosh Kumar Jain S/o Shri Rajendra Kumar Jain, R/o Shastri Ward, Tehsil & Dist. Sagar, MP, Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (5226 cum per annum) (Khasra No. 285/1), Village - Guda, Tehsil - Sagar, Dist. Sagar (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 285/1, Village - Guda, Tehsil - Sagar, Dist. Sagar (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Praman-Patr) letter no. 176 dated: 05.03.2020 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 4.15 ha., including this mine.

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

21. Case No. – 6055/2019 Shri Narayan Dodwe, Village - Bilda, Tehsil - Gandhawani, Dist. Dhar, MP – 454446 Prior Environment Clearance for Stone Quarry in an area of 1.50 ha. (9,700 cum per annum) (Khasra No. 245/1), Village - Blida, Tehsil - Gandhwani, 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. 245/1, Village - Blida, Tehsil - Gandhwani, Dist. Dhar (MP) 1.50 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office vide letter no. 2381 dated: 29/09/2018 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant in 359th SEAC meeting dated 10/04/2019. PP stated that crusher is proposed within the lease. During presentation as per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remark
Pakka Road	>200	West	--
Settlement/habitation	>130	West	Three row plantation towards village side.
Natural drain	Originating from the lease	within the lease	Setback of 50 meters with garland drain & settling tanks

After presentation the committee asked to submit following details:

- Commitment from PP to leave setback of 50 meters either side of the natural drain within the ML area.
- Revised EMP includes cost of garland drain, settling tanks & wire fencing.
- Revised CER include proposal for water filter, Book Library and sports kit for the school in the affected village.

This case was discussed before committee as PP was informed to submit above information vide letter no 457 dated 30/07/2019 and reminder was also sent to the PP vide letter no. 633 dated 11/09/2019. PP so far has not submitted the desired information thus committee after deliberations decided that the case is recommended for delisting in the light of MoEF&CC OM file No. J-11013-5-2009-IA-II (part) dated 30/10/2012.

PP vide letter dated 22/9/20 which was forwarded by the SEIAA vide no. 3940 dated 19/10/2020 has requested to relist the case as due to some unavoidable circumstances he could not able to present the case SEIAA considered the request of PP and decided to relist the case.

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

22. **Case No. – 6663/2019 Smt. Kalpana Jain W/o Shri Sharad Kumar, Village - Salaiya, Tehsil - Badwara, Dist. Katni, MP Prior Environment Clearance for Dolomite Mine in an area of 3.92 ha. (20,170 tonne per annum) (Khasra No. 402, 412, 413), Village - Salaiya, Tehsil - Barwara, Dist. Katni, (MP).**

This is case of Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 402, 412, 413, Village - Salaiya, Tehsil - Barwara, Dist. Katni, (MP) 3.92 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. 1477 dated: 08/04/19 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine total area of 20.93 ha., including this 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 415th SEAC meeting dated 07/01/2020 and in 409th SEAC meeting dated 28/11/2019. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

PP vide letter dated 27/8/20 which was forwarded by the SEIAA vide no. 3706 dated 16/10/20 has requested to relist the case as due to some unavoidable circumstances he could not able to present the case SEIAA considered the request of PP and decided to relist the case.

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

23. **Case No 7640/2020 Shri Amit Mishra S/o Shri Ramesh Mishra, R/o Krishnaganj Ward, Tehsil & Dist. Sagar, MP Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (9300 cum per annum) (Khasra No. 115), Village - Arjuni, Tehsil - Sagar, Dist. Sagar (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 115, Village - Arjuni, Tehsil - Sagar, Dist. Sagar (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 269 dated: 02/07/20 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during appraisal of case it was observed by the committee that the mine plan attached with the case file is not approved by the competent authority and not even signed by the RQP thus in the absence of approved mine plan case cannot be appraised. Committee after deliberations decided that PP may be asked to submit duly approved mine plan through SEIAA and case file may be sent to SEIAA for onward necessary action.

PP vide letter dated nil , submitted query reply asked by SEAC 460th meeting dated 24.09.2020, which was received at SEIAA on dated 01.10.2020, the same forwarded by the SEIAA vide no. 4194 dated 24/10/20 for further consideration.

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

(Dr. Anil Sharma)
Member

(Dr. Mohd. Akram Khan)
Member

(Dr. Rubina Chaudhary)
Member

(Dr. R. Maheshwari)
Member

(Dr. Jai Prakash Shukla)
Member

(A.A. Mishra)
Secretary

(Mohd. Kasam Khan)
Chairman

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

Annexure- 'A'

Standard conditions applicable to Stone/Murram and Soil quarries:

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

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

Annexure- 'B'

Standard conditions applicable for the Sand Mine Quarries*

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Only registered vehicles/tractor trolleys which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.

6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be $\frac{1}{4}$ th of river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
17. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
18. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
19. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.

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

Annexure- 'C'

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

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

and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.

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

Annexure- 'D'

General conditions applicable for the granting of TOR

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

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

28. The project proponent shall provide the mitigation measures as per MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled “Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area” with EIA report.

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

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