

The 470<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 18<sup>th</sup> December, 2020 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing -

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

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

**1. Case No 6942/2020 Executive Engineers, Shri Sunil Kumar Singod, N.D.Div. No. 16, Jobat Colony / Gayatri Colony, Kukshi Dist. Dhar, MP - 454331 Prior Environment Clearance for Dahi Micro Lift Irrigation Scheme about 47,000 ha of CCA, near village - Katarkhedi and Dahi, Tehsil - Dahi, Dist. Dhar (MP).**

This is case of Prior Environment Clearance for Dahi Micro Lift Irrigation Scheme near village - Katarkhedi and Dahi, Tehsil - Dahi, Dist. Dhar (MP). As per EIA Notification of September 2006 and subsequent amendments, Irrigation Projects, listed at item 1(c) of Schedule, having culturable command area (CCA) greater than or equal to 10,000 ha and less than 50,000 ha are considered as category B1 project; and are therefore be appraised by the SEIAA. Dahi Micro Lift Irrigation Scheme with CCA of 47000 ha, therefore, is B1 and hence shall be appraised by SEIAA/SEAC, Madhya Pradesh.

Earlier this case was scheduled for presentation and discussion in 431<sup>st</sup> SEAC meeting dated 18/03/20 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 04/11/2020 which was forwarded through SEIAA vide letter no. 4874 dated 17/11/2020, which was placed before the committee.

The case was presented by the PP and their consultants with the salient features of the project, TOR compliance and other details of the project, which reveals following:

- Terms of Reference (ToR) was issued by SEAC vide letter No. 198/PS-MS/MPPCB/SEAC/431/2020 dated 13/05/2020.
- As per EIA notification dated 14.8.2018, all irrigation projects with CCA > 10000 ha and <50000 ha shall be treated as 'B1' and shall be apprised by the SEIAA.
- Public Hearings were conducted in Dhar & Alirajpur districts on 7<sup>th</sup> & 9<sup>th</sup> November 2020 respectively.

### **PURPOSE & LOCATION OF PROJECT**

- In Dahi Micro Lift Irrigation scheme, 16.06 cumec of water from Narmada river will be lifted by using 5 pumps through various combinations of rising mains and gravity mains up to Distribution network to irrigate 47,000 ha CCA.
- Water will be supplied during Rabi season upto 2.5 ha chak size under adequate pressure (minimum 23m head) for drip/sprinkler system to be installed by cultivators.
- 126 villages of Dhar & Alirajpur districts will be benefitted

### **BASIC INFORMATION**

- It is a green field project and shall be developed as Lift Irrigation Scheme where water of Narmada river will be lifted for irrigation.
- Permanent land would be required for the construction of pump-houses, sub-stations, valve chambers, and laying of pipeline/transmission line in forest area.
- Permanent land requirement has been worked out as 5.039 ha private land and 37.45 ha of forest land, which will be diverted for the project.
- No National Park, Sanctuary, Defense Establishments, Archeological Monuments, Notified Eco-sensitive areas or protected area under Wildlife (Protection) Act exists within the project area or within 10 km distance from it.

### **Project Details:**

The Project consists of following Components:

- Pump Houses (5)
- Rising mains (5) /Gravity Main
- Break Pressure Tank
- Distribution Network (DI/HDPE)
- Flow & Pressure Control Valves

- Power Transmission Line
- Total cost of project INR 1127.82 crores with B.C. Ratio: 2.15

**Environmental Sensitivity and other Relevant Features**

- No National Park, Sanctuary, Defense Establishments, Archaeological Monuments, Notified Eco-sensitive areas exist within the project area or within 15 km distance from it. No major occurrence of economic deposit (major mineral) has been found in the project area. No diversion of forest land is required for project.

During presentation, it was submitted by PP that the Permanent land requirement has been worked out as 5.039 ha private land and 37.45 ha of forest land, which will be diverted for the project. Proposals for diversion has been submitted vide reference no. FP/MP/IRRIG/51667/2020.24 land owners have been identified for 5.039 ha of private land. Consent of most of the land owners have been obtained and process of land purchase has been initiated.

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

1. Copy of application and acknowledgement with respect to diversion of forest land
2. Details of land owners and copies of consents.
3. To address the issue raised in the Public Hearing meeting regarding maintenance of the village road near Vasnali village

PP vide letter dated 18.12.2020 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 Dahi Micro Lift Irrigation Scheme near Village Katarkhedi and Dahi, Tehsil Dahi, District Dhar, MP 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 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

## **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. Lift irrigation shall be practiced and necessary awareness be given to all the farmers and trained in the use of micro irrigation and sprinkler systems. Proper crops selection shall be carried out for making irrigation facility more effective.
- ii. Conservation of water should be implemented at construction sites to minimize the generation of wastewater.
- iii. Adequate care should be taken so that excess suspended solids in the wastewater are removed before these are disposed into water body or over land.

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

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

**V. Waste management**

- i. Muck disposal(6.14 lakh cum) be carried out only in the approved and earmarked sites.
- ii. The material dug out from the land of private cultivators will be spread on the cultivator's field after their consent.
- iii. Surplus Muck will be utilised for construction of approach roads, village roads and bunds etc.
- iv. The extra muck shall be laid in the undulating area of the connected villages with the consent of concerning Gram-panchayat or Janpad Panchayat.
- v. Solid waste management should be planned in details. Land filling of plastic waste shall be avoided and instead be used for various purposes as envisaged in the EIA/EMP reports. Efforts be made to avoid one time use of plastics.

**VI. Green Belt, EMP Cost**

- i. 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.
- ii. Compensatory afforestation programme shall be implemented as per the plan approved.

**VII. Public hearing and Human health issues**

- i. Private land purchase to 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 tribal development 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.
- iv. 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.

**VIII. Local Area development**

- i. Village road to be maintained as committed in response to query raised in Public Hearing Meeting.
- ii. 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.
- iii. 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.
- iv. 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.
- v. 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.
- vi. Formation of Water User Association/Co-operative be made by involvement of the whole community be ensured for discipline use of available water for irrigation purposes.

**IX. Environmental Management Plan (EMP)**

- vii. A budgetary provision of Rs. 818.014 Lakh is made for Environmental Management Plan as capital cost and Rs 1148.75 lakh as recurring cost.
- viii. 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.
- ix. For this project PP has proposed following physical targets under as Corporate Environment Responsibility (CER) for remaining project period.
  - COVID- 19: to ensure required, testing, training and awareness, masks, etc. as per the requirement at the time of implementation.
  - The Dhar district is a home of different tribal communities with part of the Kukshi tehsil which is a declared Schedule V areas falling within the periphery

- of the proposed project area.
  - To improve the quality of life of the tribal population at the same time maintaining their cultural heritage; tribal development plan is proposed for the tribal areas/villages of the project area.
  - To narrow the gap between the levels of development in the tribal area and other parts of the project area.
  - To ensure that the project benefits and investments are equally accessible to the tribal communities inhabiting in the project area.
  - To improve the quality of life of the tribal people & communities living in the area.
  - Protection of Social, Economic and Cultural Interests of tribal communities in the project area.
- x. 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
- xi. 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.
- xii. 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.
- xiii. 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.
- xiv. 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.
- xv. 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.

- xvi. 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 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.
- ii. 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
- iii. 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.
- iv. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- v. 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.
- vi. 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).
- vii. 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.
- viii. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- 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 7951/2020 Executive Engineer, Water Resources Division No. II, Office of the Executive Engineer, Dist. Betul, MP, 460001. Prior Environment Clearance for Ghogri Medium Lift Irrigation Project at Village - Ghogri, Tehsil & Dist. Betul, MP, CCA- 9990 ha. GCA- 12490 ha. Catchment Area – 858.75 sq.mt. Hight of Dam – 34.50 M. FoR- B2 Case. Category – 1(c) River Valley Project. Env. Con. – EQMS, Delhi.**

This is case of Prior Environment Clearance for Ghogri Medium Lift Irrigation Project at Village - Ghogri, Tehsil & Dist.- Betul, MP , CCA- 9990 ha. GCA- 12490 ha., Catchment Area – 858.75 sq.mt., Hight of Dam – 34.50 M. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultants wherein PP stated that as per EIA notification dated 14.8.2018, the project, falls in category 'B2', and shall be appraised on the basis of EMP and is exempt from public hearing.

The Salient features of the project are as given below:

- Ghogri Medium Lift Irrigation project (CCA 9990 ha) is proposed on River Tapti, near Ghogri village in Block and District Betul, for Rabi Irrigation (Wheat:6590 ha & Gram: 3400 ha)
- As per EIA notification dated 14.8.2018, the project, falls in category 'B2', and shall be appraised on the basis of EMP and is exempt from public hearing.
- Total land requirement is 321.85 ha of which the forest, private and Revenue land shall be 0.00, 105.034 and 216.816 ha respectively. Total private land acquired.
- Five villages shall be partially affected (301 PAF) of which none shall be displaced .
- No National Park, Sanctuary, Defense Establishments, Archeological Monuments, Notified Eco-sensitive areas exists within 10 km distance from it.
- Geologically area is occupied mainly by Deccan traps and located in Seismic zone- III .
- The mean daily maximum and minimum temperature recorded is 31.8°C and 17.9°C respectively. The total annual rainfall is 1191 mm. Av. RH at 8:30 & 17:30 hr

is 70% and 50% respectively. The average annual wind velocity is 3.3km/h. Predominant wind blows from NW, W and S in the morning and NW, NE and W in the evening.

- 37.3 m high and 173.00 m long Zonal earthen dam
- 178.40 m long ogee type central spillway with 11 gates (12.4m x12m).
- Non-overflow sections 55.00 & 16.20 m long on left and right of spillway.
- Dam designed for gross storage of 39.01 MCM of water to provide Rabi irrigation in 9990 ha (Wheat-6590 ha and Gram-3400 ha) in 41 villages.
- A rising main of 6.0 km and 1.80m diameter (discharge 3.8 cumec) shall take off from the pumphouse to take pressurized flow upto BPT from where a gravity main of 3.0 km and 1.80 m diameter shall take off to irrigate command area through gravity minors.
- For lifting 3.8 cumecs approx. 7.5MW electrical power is required which shall be met from Selgaon Power Station
- The total cost of the project is Rs. 318.86 crores (B.C. Ratio-1.93: 1.) and is planned to be completed in three years' time frame under turnkey basis.
- About 400 workers would be engaged during peak construction period.

PP stated that no forest land involved in the project total land requirement is 321.85 ha., of which the forest, private and Revenue land shall be 0.00, 105.034 and 216.816 ha respectively. Total private land has been acquired and there is no issue of R&R involvement in the project.

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

1. Details of private land acquisition of 105.034 ha. coming under sub-mergence.
2. Physical targets of activities under CER.

PP vide letter dated 18.12.2020 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 Ghogri Medium Lift Irrigation Project at Village - Ghogri, Tehsil & Dist. Betul, MP, CCA- 9990 ha. GCA-

12490 ha. Catchment Area – 858.75 sq.mt. Hight of Dam – 34.50 M. FoR- B2 Case.  
Category – 1(c) River Valley Project, 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 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

**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. Lift irrigation shall be practiced and necessary awareness be given to all the farmers and trained in the use of micro irrigation and sprinkler systems. Proper crops selection shall be carried out for making irrigation facility more effective.
- ii. Conservation of water should be implemented at construction sites to minimize the generation of wastewater.
- iii. Adequate care should be taken so that excess suspended solids in the wastewater are removed before these are disposed into water body or over land.

**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.

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

**V. Waste management**

- i. Muck disposal be carried out only in the approved and earmarked sites.
- ii. From excavation 1.35 lakh cum muck shall be generated of which 0.48 lakh cum muck shall be consumed on works.
- iii. The material dug out from the land of private cultivators will be spread on the cultivator's field after their consent.
- iv. Surplus Muck will be utilised for construction of approach roads, village roads and bunds etc.
- v. The extra muck shall be laid in the undulating area of the connected villages with the consent of concerning Gram-panchayat or Janpad Panchayat.
- vi. Solid waste management should be planned in details. Land filling of plastic waste shall be avoided and instead be used for various purposes as envisaged in the EIA/EMP reports. Efforts be made to avoid one time use of plastics.

**VI. Green Belt, EMP Cost**

- i. Increased Green cover (28 ha. and 250 saplings in avenue plantation).
- ii. 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.
- iii. Compensatory afforestation programme shall be implemented as per the plan approved.

**VII. Public hearing and Human health issues**

- i. Private land purchase to 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 tribal development 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.
- iv. 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.

**VIII. Local Area development**

- i. Village road to be maintained as committed in response to query raised in Public Hearing Meeting.
- ii. 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.
- iii. 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.
- iv. 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.
- v. 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.
- vi. Formation of Water User Association/Co-operative be made by involvement of the whole community be ensured for discipline use of available water for irrigation purposes.

**IX. Environmental Management Plan (EMP)**

- i. A budgetary provision of Rs. 2130.20 Lakh is made for Environmental Management Plan as capital cost and Rs 76.60 Lakh as recurring cost.

- ii. 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.
- iii. For this project PP has proposed following physical targets under as Corporate Environment Responsibility (CER) for remaining project period.

S. No.	Description	Quantity	Unit
1	Health Care		
(i)	Supply of hospital equipment, machines to District Hospital	1	Job
2	Infrastructure Development		
(i)	Construction of Ghogri-Tipnapur road	3.0	km
(ii)	Construction of Tipnapur – Khadgar road	1.0	km
(iii)	Upgradation of Selgaon-Ghogri road	2.0	km
(iv)	Providing 15 Watts Solar Street Light	150	No.
(v)	Construction of market shed	3	Job
(vi)	Construction of training center for farmers	225	Sq km
3	Sanitations and drinking water facilities		
(i)	Renovation of storm water drainage system in villages	5000	m
4	Skill Development and Training		
(i)	Farmers training for farm development for operation of pressurized irrigation system, monitoring, evaluation, demonstration on micro irrigation, water use efficiency	9900	ha

- iv. 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
- v. 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.

- vi. 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.
- vii. 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.
- viii. 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.
- ix. 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.
- x. 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**

- x. 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.
- xi. 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
- xii. 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.

- xiii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- xiv. 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.
- xv. 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).
- xvi. 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.
- xvii. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xviii. 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. – 7661/2019 M/s Government Opium and Alkaloid Works, Ministry of Finance Department of Revenue, Shri Harinarayan Meena, General Manager, Bungalow No. 57, Besides Ashish Bhavan Church, Station Road, Dist. Neemuch, MP - 458441 Prior Environment Clearance for Expansion in Processing of Opium & Manufacturing of Alkaloids at Bungalow No. 57, Besides Ashish Bhavan Church, Station Road, Dist. Neemuch (MP).**

This is case Prior Environment Clearance for Expansion in Processing of Opium & Manufacturing of Alkaloids at Bungalow No. 57, Besides Ashish Bhavan Church, Station Road, Dist. Neemuch (MP)

The case was scheduled in 460<sup>th</sup> meeting dated 24/09/2020 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which



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

The PP and their consultant presented the EIA before the committee the salient features of this project are as:

- Proposed expansion of opium processing and alkaloids manufacturing plant is located at bungalow No. 57, Beside Ashish Bhawan Church, Station Road, Neemuch-458441, District Neemuch, Madhya Pradesh
- Total Capacity of Project after Expansion will be 30.0 Tons/Annum
- As per EIA Notification 2006; proposed expansion project fall under Category 5 (f) “Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates) as per EIA Notification, 2006.
- As per EIA Notification 2006; earlier the project categories as Category “A” project hence application for ToR approval was accepted by EAC, MoEFCC dated 23<sup>rd</sup> April 2018
- Standard ToR for Environmental Impact Assessment for the project was issued from EAC Industry-2 dated 24<sup>th</sup> May 2018 as per ToR Letter No. No.IA-J-11011/90/2018-IA-II(I). Proposal number is IA/MP/IND2/73419/2018
- Baseline Environmental Studies was conducted from 1<sup>st</sup> March 2018 to 31<sup>st</sup> May, 2018 considering one Non Monsoon season
- Considering the recent MoEFCC, SO No. 1223 (E) dated 27<sup>th</sup> March, 2020; “All proposals for projects or activities in respect of Active Pharmaceutical Ingredients (API), received up to the 30th September 2020, shall be appraised, as Category ‘B2’ projects hence Application for project for Environmental Clearance is submitted under B2 Category.

#### **Chronology of Project:**

<b>S. No.</b>	<b>Particulars</b>	<b>Date</b>
1	Online Application Submitted to MoEF&CC Online Portal	10th March 2018
2	Query/EDS by EAC regarding inter-state boundary distance certificate	14th March 2018

3	Resubmission of Application along with distance Certificate	18th April 2018
4	The case Accepted by EAC	23rd April 2018
5	Form-I, PFR and supporting documents hard copy submitted to MoEF&CC New Delhi	02nd May 2018
6	Standard ToR Granted	24th May 2018
7	Public Hearing	8th December, 2019
8	Final EC Document Submission	08th August 2020

The case was presented by PP and their consultant wherein during scrutiny of document it was observed by committee that there are several discrepancies in the report submitted by PP. Some of them are following:

- During presentation PP informed that public hearing was conducted 08.10.2019 but no details were given in the submitted EIA report.
- Justify- Capacity of existing DG set is 475.5 kVA in the MPPCB consent form where as in the EIA report PP mentioned existing DG set capacity of 435kVA.
- How high COD waste of > 30,000 will be treated. Being API, separation of high COD and low COD stream shall be treated separately to achieve zero liquid discharge.
- Details given in PFR and EIA shall be same wherein in the submitted EIA and PFR there is mismatch in details.
- Reason for high TDS and hardness are not justified in the EIA report.
- In the attached analysis reports the sample collection date is 09/05/2018 while the date of analysis is mentioned as 11/05/2019 please justify.
- The period of monitoring is mentioned as 1<sup>st</sup> March 2018 to 31<sup>st</sup> march 2018 why only one month monitoring was carried out, justify.
- Many enclosures attached with the EIA report are not legible and even attached photocopies are not as per their serial numbers.

- Study of fauna is not classified as per the schedule. Please justify if there is any schedule- I species found in the study area. If yes, their wild life management plan made in consultation with Chief Wildlife Warden.
- Details of any risk assessment study carried out.

After presentation PP/consultant was asked to submit revised EIA report incorporating all the above details/ document in legible form for further consideration of the project.

Earlier case was discussed in 463<sup>rd</sup> SEAC Meeting dated 01/10/2020 and the case was recommended for delisting. PP requested vide letter no. PM/R&D/MPPCB/2017 dated 03/11/2020 for relisting and SEIAA relisted the case and same was forwarded to SEIAA letter no. 5093 dated 07/12/2020.

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.

4. **Case No. - 7963/2020 Director, Shri Anupam Chouksey, J.K. Hospital L.N. Medical College, Huzur, Dist. - Bhopal, (M.P.) – 462042. Prior Environment Clearance for Proposed Manufacturing of Molasses/Syrup based Fuel Ethanol Plant of 45 KLD located at Villages - Sankhini, Tehsil- Bhitwar, District.- Gwalior (M.P.) Total Project Area: 8.0048 Acres, Total available land of 20.144 ha. By M/s Parwati Sweettners & Power Ltd. Env. Con. –Creative Enviro Service, Bhopal (M.P.)**

This is a case of Proposed Manufacturing of Molasses/Syrup based Fuel Ethanol Plant of 45 KLD located at Villages - Sankhini, Tehsil- Bhitwar, District.- Gwalior (M.P.) Total Project Area: 8.0048 Acres, Total available land of 20.144 ha. By M/s Parwati Sweettners & Power Ltd. Category: 5(g) Distilleries Project in the schedule of EIA notification hence, requires prior EC from SEIAA before commencement of any activity at site. The application for grant of prior the case was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

The case was presented by PP and their consultant in 469<sup>th</sup> SEAC meeting dated 17.12.2020. The following were the salient features of the project: The submissions and the presentation made by the PP and his consultant revealed following:

**Salient features of the project:**

M/s PSPL is operating Sugar plant with capacity of 2500 TCD along with 3.75 MW Co-gen power plant at Village- Sankhini, Tehsil- Bhitwar & Dist Gwalior (MP). Keeping in view of the future requirements of Fuel Ethanol, M/s PSPL are proposing to set up a 45 KLD fuel ethanol plant (Molasses based) in same premises. It will employ fermentation, multi pressure distillation system, etc. The spent wash will be taken to Bio-methanization Plant from where bio-methanated spent wash ( BMSW) will be taken for evaporation and condensate will be treated in PCTP. The concentrate will be taken to ATFD where concentrated spent wash will be converted into powder having rich potash value and is ideal for agricultural Purposes				
Sr.	Details	Sugar	Co-gen	Distillery
1	Status	Existing	Existing	Proposed
2	Location	Village- Sankhini, Tehsil- Bhitwar & Dist Gwalior (MP)		
3	Khasara No	52, 55/1		
4	Capacity	2500 TCD	3.75 MW	45 KLD
5	Working days	120	160	330
6	Raw material	Sugarcane	Bagasse	Molasses
7	Required quantity of raw material	2500 TCD of sugar cane	0.5 TPH of Bagasse	C Molasses : 191-192 TPD B Heavy Molasses : 147-148 TPD Cane Syrup : 162-163 PD
8	Source of Water Supply	Ground Water/ Existing Water Storage Reservoir	Ground Water/ Existing Water Storage Reservoir	Ground Water/ Existing Water Storage Reservoir
9	Water Requirement	150 M3/day (only recycled water is used)	125 M3/day ( recycled water )	315M3/day

- No ecologically protected area or archeologically protected site or other environmental sensitivity has been reported within 10 km radius of the site.
- No interstate boundary is lying within 10 km radius from the site.

**Details of Fuel Ethanol Unit**

Name of the proponent	M/s Parvati Sweetnesr & Powers Limited
Project capacity	45 KLPD Molasses & Syrup Based Ethanol Plant
Khasara No. & Location of the project	Khasara No. 52, 55/1, Village- Shankhini, Tahsil Bhitarwar, Dist. Gwalior MP.
Geographic Location	250 47' 05.4"N 780 10' 45.7"E
Land requirement	Total land 8.0048 acres for proposed Distillery Unit Total Available Land : 20.144 acres
Product	Fuel Ethanol :45 KLPD
Operation days	330 days
Molasses required	C Molasses : 191-192 TPD B Heavy Molasses : 147-148 TPD Cane Syrup : 162-162-163 PD
Total water requirement	315 KLD (After recycling)
Source of water	River Parvati
Electricity	Operational: 970 kWh Connected load: 1530 kWh
Electricity	Operational: 970 kWh Connected load: 1530 kWh
Turbine generator	2.00MW (Proposed)
Steam	20 TPH (Proposed)
Fuel	Bio Gas : 113 TPD Bagasse- 250 TPD
Source	Captive & Nearby Market
Boiler	50 TPH for existing sugar unit
Effluent treatment System	Condensate Polishing Unit (CPU) will treat spent lees, cooling tower blow down, boiler blow down and process condensate. Spent wash will be treated by Biomethnizatn followed by BMSW evaporation and AFTD.
Man-power	80 skilled and unskilled
Total project cost	5110 Lakhs
Land acquired	20.144 acres
Land required for proposed plant	8.0048 acres
Proposed area for plantation	7 acres

Existing area of plantation	1 acres with 190 no
Capital Cost for Environmental measures (proposed )	Rs 1895 Lacs
Recurring cost for environmental monitoring etc (Proposed)	Rs 41 Lacs

Sr. No.	Particulars	“C-Molasses” Operation Basis	“B-Heavy Molasses” Operation Basis	Cane Syrup Operation Basis
1)	Raw Material	191- 192 MT/day Molasses minimum 42 % w/w fermentable sugars content & 80 % w/w total solids, VA 5000 PPM Max.	147-148 MT/day Molasses minimum 54 % w/w fermentable sugars content & 85 % w/w total solids, VA 3000 PPM Max.	162 - 163 MT/day Molasses minimum 49 % w/w fermentable sugars content & 60 % w/w total solids, VA 2000 PPM Max.
2)	Alcohol concentration in Fermented Wash	9 % v/v min.	12.0 % v/v min.	14.0 % v/v min.
3)	Plant Capacity	48 KLPD TS Total Spirit	48 KLPD TS Total Spirit	48 KLPD TS Total Spirit
4)	Product	45,000 LPD of Absolute Alcohol with max strength of 99.8 % v/v	45,000 LPD of Absolute Alcohol with max strength of 99.8 % v/v	45,000 LPD of Absolute Alcohol with max strength of 99.8 % v/v
5)	Impure spirit cuts	3 % of TS (Wash to AA Case)	3 % of TS (Wash to AA Case)	3 % of TS (Wash to AA Case)
6)	Yield Of Total Spirit Basis @ 95% v/v/MT	251 Liter of alcohol (95%v/v) per ton of cane molasses containing 42 % w/w fermentable sugars	326 Liter of alcohol (95%v/v) per ton of cane molasses containing 54 % w/w fermentable sugars	296 Liter of alcohol (95%v/v) per ton of cane molasses containing 49 % w/w fermentable sugars

**Land break Up:**

<b>Land use Break-Up for Existing and proposed unit</b>		
	<b>Area in Sq Mt</b>	
<b>Particular</b>	<b>Existing Sugar Unit</b>	<b>Proposed Distillery unit</b>
Built up Area of main plant and machineries	20245	8049
Road area	2024	2024
Raw Material storage area	8098	100
Fuel Storage Area	4049	2024
Roof Area	2025	N A
Parking area	2025	Common
Green Belt	4046	8098
Open Land	55434	12097
Total area	97946 Sq. Mtr. (20.144 Acre)	32392

PP submitted that this proposed ethanol unit would be ZLD based with provision of Biomethanization, evaporation and ATFD. The spent wash will be taken to Biomethanization Plant from where bio-methanated spent wash (BMSW) will be taken for evaporation and condensate will be treated in PCTP. The concentrate will be taken to ATFD where it will be spent wash will be converted into power having rich potash value and is ideal for agricultural purposes. The bio gas generated from biomethanization plant shall be used in the boiler as clean fuel. Condensate Polishing Unit (CPU) will treat spent lees, cooling tower blow down, boiler blow down and process condensate. The fresh water consumption has been estimated as 7 KL per KL for 45 KLD plant. The spent wash will be taken to Bio-methanization Plant from where bio-methanated spent wash (BMSW) will be taken for evaporation and condensate will be treated in PCTP. The concentrate will be taken to ATFD where spent wash will be converted into powder having rich potash value and is ideal for agricultural purpose. The system has been given to maintain the zero discharge condition. CPU and RO are also proposed for unit of 45 KLD plant.

After presentation and discussion PP was asked to submit following revised details:

- Revised plantation programme

PP vide letter dated 18.12.2020 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 Proposed Manufacturing of Molasses/Syrup based Fuel Ethanol Plant of 45 KLD located at Villages - Sankhini, Tehsil- Bhitwar, District.- Gwalior (M.P.) Total Project Area: 8.0048 Acres, Total available land Of 20.144 ha. By M/s. Parwati Sweettners & Power Ltd. subject to the special conditions:

**(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.

**(B) Air quality monitoring and preservation**

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to MPPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. 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.
3. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS.
4. The DG sets 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. CO<sub>2</sub> generated from the process shall be bottled/made solid ice and sold to authorized vendors.
7. 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.
8. 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. Total fresh water requirement shall not exceed 315 cum/day proposed to be met from ground water source. Prior permission shall be obtained from the concerned regulatory authority/CGWA ( If applicable) in this regard.
2. The spent wash will be taken to Bio-methanization Plant from where bio-methanated spent wash ( BMSW) will be taken for evaporation and condensate will be treated in PCTP. The concentrate will be taken to ATFD where spent wash will be converted into powder which will be used as fertilizer
3. Number of working/operating days for the distillery shall be 330 days as proposed.
4. The project proponent shall provide online continuous monitoring of effluent ( if applicable) , the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
5. As already committed by the project proponent Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises, for which PP shall provide Bio-methanization Plant, Evaporator, ATFD and CPU unit for making system zero discharge
6. 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.
7. 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.
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.

**(D) Noise monitoring and prevention**

1. Acoustic enclosure shall be provided to 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. Possibility of installation of solar power system may be explored.

**(F) Waste management**

1. 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.
2. Hazardous wastes such as used oil, discarded drums, used carbon etc shall be directly sent to CTSDf, Dhar.
3. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
4. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
5. 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.
6. 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.

7. 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.
8. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
9. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
10. 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.
11. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
12. 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. As proposed 7 acres will be covered with the good green belt and 4350 trees will be planted. 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 over community places in consultation with gram panchayat

**(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) Environmental Management Plan:**

1. 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.
2. 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.
3. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
4. The proposed EMP cost is Rs. 1895.0 Lakhs as capital and 41.0 Lakhs /year as recurring cost.

5. 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.
6. 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, commitment made during Public Hearing 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. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any
6. 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 7956/2020 M/s Satguru Cements Private Limited, 601/1, Airen Heights, Scheme No. 54, PU - 3, Oppo. C - 21 Mall, AB Road, Indore Prior Environment Clearance for Limestone Deposit in an area of 14.424 ha. (50988 tonne per annum) (Khasra No. 41/1, 42, 55, 56, 56/1, 56/2, 58/2, 83, 84, 86, 86/2, 87, 88, 108, 106, 107), Village - Khedi Balwari, Tehsil - Gandhwani, Dist. Dhar (MP)**

This is case of Limestone Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 41/1, 42, 55, 56, 56/1, 56/2, 58/2, 83, 84, 86, 86/2, 87, 88, 108, 106, 107), Village - Khedi Balwari, Tehsil - Gandhwani, Dist. Dhar (MP) 14.424 ha. The project requires prior EC before commencement of any activity at site.

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

6. **Case No 7935/2020 Shri Rajendra Raghuwanshi, D-4, Phase-2, Shri Ram Colony, Hoshangabad Road, Dist. Bhopal, MP - 464385 Prior Environment Clearance for Sand Quarry in an area of 6.290 ha. (1000 cum per annum) (Khasra No. 246), Village - Nayakheda-1, Tehsil - Udaipura, Dist. Raisen (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 246), Village - Nayakheda-1, Tehsil - Udaipura, Dist. Raisen (MP) 6.290 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patra) letter no. 2293 dated: 02/9/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 7.099 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.

**7. Case No 7941/2020 Shri Rajendra Raghuwanshi, D-4, Phase-2, Shri Ram Colony, Hoshangabad Road, Dist. Bhopal, MP - 464385 Prior Environment Clearance for Sand Quarry in an area of 16.0 ha. (10000 cum per annum) (Khasra No. 299), Village - Kelkachh-1, Tehsil - Udaipura, Dist. Raisen (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 299), Village - Kelkachh-1, Tehsil - Udaipura, Dist. Raisen (MP) 16.0 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 (Ekal Praman-Patra) letter no. 2293 dated: 02/9/2020 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 35.326 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.

**8. Case No 7949/2020 Shri Rajendra Raghuwanshi, D-4, Phase-2, Shri Ram Colony, Hoshangabad Road, Dist. Bhopal, MP - 464385 Prior Environment Clearance for Sand Quarry in an area of 5.150 ha. (1000 cum per annum) (Khasra No. 510), Village - Ketodhan-1, Tehsil - Udaipura, Dist. Raisen (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 510), Village - Ketodhan-1, Tehsil - Udaipura, Dist. Raisen (MP) 5.150 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patra) letter no. 2293 dated: 02/9/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 10.006 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.

**9. Case No 7950/2020 Shri Rajendra Raghuwanshi, D-4, Phase-2, Shri Ram Colony, Hoshangabad Road, Dist. Bhopal, MP - 464385 Prior Environment Clearance for Sand Quarry in an area of 3.0 ha. (1000 cum per annum) (Khasra No. 510), Village - Ketodhan-2, Tehsil - Udaipura, Dist. Raisen (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 510), Village - Ketodhan-2, Tehsil - Udaipura, Dist. Raisen (MP) 3.0 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 (Ekal Praman-Patra) letter no. 2293 dated: 02/9/2020 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 11.356 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.

**10. Case No 7936/2020 Shri Rajendra Raghuwanshi, D-4, Phase-2, Shri Ram Colony, Hoshangabad Road, Dist. Bhopal, MP - 464385 Prior Environment Clearance for Sand Quarry in an area of 3.642 ha. (5000 cum per annum) (Khasra No. 385), Village - Kelkacch-c, Tehsil - Udaipura, Dist. Raisen (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 385), Village - Kelkacch-c, Tehsil - Udaipura, Dist. Raisen (MP) 3.642 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. 2293 dated: 02/9/2020 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 30.532 ha. including this mine.

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

**11. Case No 7937/2020 Shri Rajendra Raghuwanshi, D-4, Phase-2, Shri Ram Colony, Hoshangabad Road, Dist. Bhopal, MP - 464385 Prior Environment Clearance for Sand Quarry in an area of 0.809 ha. (1000 cum per annum) (Khasra No. 246), Village - Nayakheda, Tehsil - Udaipura, Dist. Raisen (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 246), Village - Nayakheda, Tehsil - Udaipura, Dist. Raisen (MP) 0.809 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patra) letter no. 2293 dated: 02/9/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 7.099 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.

**12. Case No 7957/2020 Shri Rajendra Raghuwanshi, D-4, Phase-2, Shri Ram Colony, Hoshangabad Road, Dist. Bhopal, MP - 464385 Prior Environment Clearance for Sand Quarry in an area of 8.40 ha. (10000 cum per annum) (Khasra No. 385), Village - Kelkacch-2, Tehsil - Udaipura, Dist. Raisen (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 385), Village - Kelkacch-2, Tehsil - Udaipura,

Dist. Raisen (MP) 8.40 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patra) letter no. 2293 dated: 02/9/2020 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 30.47 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.

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

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

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patra) letter no. 1460 dated: 13/10/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, during presentation as per Google image based on coordinates provided by PP, it was observed that the part of lease is submerged in the water for which PP shall submit revised surface plan showing submerged area as non-mining area. During presentation PP submits that the baseline environmental monitoring for this site is being collected from from Octo., Nov. and Dec. 2020. Being it's a case sand quarry with total area of > 5.00 ha, and according to the

latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Sand evacuation route avoiding human settlement shall be discussed in the EIA report.
- The project proponent shall discuss 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”, and shall be discussed in the EIA report(if any).
- Include activity with appropriate budget for reflectors installation, T-Junction Development where haulage road join with main pucca road and provision of speed breakers in the EMP.
- In case of any road bridge in existence within the lease area or in near vicinity, mandatory safety distance shall be left as per Monitoring and enforcement Guidelines for sand mining, 2020 published by MoEF&CC and same shall be discussed in the EIA report in detail with proper justification.
- Revised plan leaving if there is any submerged within lease area and submerged area shall be left as non-mining zone. If any rivulet is joining the lease safety zone 50-50 meters both side shall be left as non mining area.

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

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 605), Village - Udla, Tehsil - Amanganj, Dist. Panna (MP) 5.50 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patra) letter no. 1448 dated:

12/10/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, during presentation PP stated that this is a case of river sand mining on Vyarma River as per Google image based on coordinates provided by PP, it was observed that the part of lease is submerged in the water for which PP shall submit revised surface plan showing submerged area as non-mining area. During presentation PP submits that the baseline environmental monitoring for this site is being collected from Octo., Nov. and Dec. 2020. Being it's a case sand quarry with total area of > 5.00 ha, and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Road Bridge is located in the u/s 270 meters and another stream joining the lease 70 meter in the SW direction. PP shall be considered these sensitive area as per Enforcement and Monitoring Guidelines For Sand Mining- 2020 by MoEF&CC.
- Sand evacuation route avoiding human settlement shall be discussed in the EIA report.
- The project proponent shall discuss 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", and shall be discussed in the EIA report(if any).
- Include activity with appropriate budget for reflectors installation, T-Junction Development where haulage road join with main pucca road and provision of speed breakers in the EMP.
- In case of any road bridge in existence within the lease area or in near vicinity, mandatory safety distance shall be left as per Monitoring and enforcement Guidelines for sand mining, 2020 published by MoEF&CC and same shall be discussed in the EIA report in detail with proper justification.
- Revised plan leaving if there is any submerged within lease area and submerged area shall be left as non-mining zone. If any rivulet is joining the lease safety zone 50-50 meters both side shall be left as non mining area.

**15. Case No 7954/2020 Shri Rasmeet Singh Malhotra S/o Shri Ajeet Singh Malhotra, Near Alka Talkies, Nehru Ward, Pipariya, Dist. Hoshangabad, MP - 461775 Prior Environment Clearance for Sand Quarry in an area of 6.0 ha. (25000 cum per annum) (Khasra No. 526, 549), Village - Chandrawal, Tehsil - Raipura, Dist. Panna (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 526, 549), Village - Chandrawal, Tehsil - Raipura, Dist. Panna (MP) 6.0 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 (Ekal Praman-Patra) letter no. 1458 dated: 12/10/2020 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 PP stated that this is a case of river sand mining on Vyarma River as per Google image based on coordinates provided by PP, it was observed that the part of lease is submerged in the water for which PP shall submit revised surface plan showing submerged area as non-mining area. During presentation PP submits that the baseline environmental monitoring for this site is being collected from from Octo., Nov. and Dec. 2020. Being it's a case sand quarry with total area of > 5.00 ha, and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Sand evacuation route avoiding human settlement shall be discussed in the EIA report.
- The project proponent shall discuss 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”, and shall be discussed in the EIA report(if any).

- Include activity with appropriate budget for reflectors installation, T-Junction Development where haulage road join with main pucca road and provision of speed breakers in the EMP.
- In case of any road bridge in existence within the lease area or in near vicinity, mandatory safety distance shall be left as per Monitoring and enforcement Guidelines for sand mining, 2020 published by MoEF&CC and same shall be discussed in the EIA report in detail with proper justification.
- Revised plan leaving if there is any submerged within lease area and submerged area shall be left as non-mining zone. If any rivulet is joining the lease safety zone 50-50 meters both side shall be left as non mining area.

**16. Case No 7962/2020 Shri Rasmeet Singh Malhotra S/o Shri Ajeet Singh Malhotra, Near Alka Talkies, Nehru Ward, Pipariya, Dist. Hoshangabad, MP - 461775 Prior Environment Clearance for Sand Quarry in an area of 5.40 ha. (8000 cum per annum) (Khasra No. 01, 96), Village - Singhasar, Tehsil - Pawai, Dist. Panna (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 01, 96), Village - Singhasar, Tehsil - Pawai, Dist. Panna (MP) 5.40 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patra) letter no. 1456 dated: 12/10/2020 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 PP stated that this is a case of river sand mining on Vyarma River as per Google image based on coordinates provided by PP, it was observed that the part of lease is submerged in the water for which PP shall submit revised surface plan showing submerged area as non-mining area. During presentation PP submits that the baseline environmental monitoring for this site is being collected from from Octo., Nov. and Dec. 2020. Being it's a case sand quarry with total area of > 5.00 ha, and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds

5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Sand evacuation route avoiding human settlement shall be discussed in the EIA report.
- The project proponent shall discuss 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”, and shall be discussed in the EIA report(if any).
- Include activity with appropriate budget for reflectors installation, T-Junction Development where haulage road join with main pucca road and provision of speed breakers in the EMP.
- In case of any road bridge in existence within the lease area or in near vicinity, mandatory safety distance shall be left as per Monitoring and enforcement Guidelines for sand mining, 2020 published by MoEF&CC and same shall be discussed in the EIA report in detail with proper justification.
- Revised plan leaving if there is any submerged within lease area and submerged area shall be left as non-mining zone. If any rivulet is joining the lease safety zone 50-50 meters both side shall be left as non mining area.

**17. Case No 7931/2020 Shri Rishikesh Sharma S/o Shri Ramjilal Sharma, R/o Kasera Mohalla, Golapura, Tehsil - Harda, Dist. Harda Prior Environment Clearance for Stone Quarry in an area of 2.05 ha. (25080 cum per annum) (Khasra No. 105/1, 105/2), Village - Lakhanpur Raiyat, Tehsil - Harsud, Dist. Khandwa (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 105/1, 105/2), Village - Lakhanpur Raiyat, Tehsil - Harsud, Dist. Khandwa (MP) 2.05 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. 669 dated: 09/11/2020 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 it was observed that the lease area is already excavated. PP submitted that it is very old pit and they have got the lease in such condition and this pit has shown on surface map in the Mining Plan. Moreover, a natural drain at a distance of 60 meter and a pucca roads is in the north at a >100 meter . After presentation the committee asked to submit following details:

- Revised plantation scheme as suggested by committee.
- Revised EMP as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 18.12.2020, 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 of Stone as per mine plan with quantity not exceeding 25,080 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 8.724 Lakh as capital and Rs 02.66 Lakh/year as recurring cost are proposed by PP.

**18. Case No 7932/2020 Smt. Aruna Hada W/o Shri Manoj Hada, R/o Village- Rajgarh, Tehsil & Dist. Rajgarh, MP - 465669 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (5000 cum per annum) (Khasra No. 1585/2/1/2/2, 1585/1/3/1/2), Village - Sonkatchh, Tehsil - Narsingharh, Dist. Rajgarh (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1585/2/1/2/2, 1585/1/3/1/2), Village - Sonkatchh, Tehsil - Narsingharh, Dist. Rajgarh (MP) 1.0 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 947 dated: 25/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.



The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining wherein the submitted copy of DSR is incomplete. During presentation it was observed by committee that two pucca roads are in the south and east side at a distance of 60 and 200 meter respectively and a natural drain at 80 meter in the north side of the lease. After presentation the committee asked to submit following details:

- Copy of complete DSR,
- Provision of one additional settling tank in the north side of the lease show on map with budget in EMP.
- Revised M.O. certificate other mines within 500 meter .

PP has submitted the response of above quarries same date vide letter dated 12.12.2020, 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 of Stone as per mine plan with quantity not exceeding 5,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 8.58 Lakh as capital and Rs 3.23 Lakh/year as recurring are proposed by PP.

**19. Case No 7647/2020 Shri Kapil Pandey, Village - Rengua, Tehsil - Garhakota, Dist. Sagar, MP – 462008 Prior Environment Clearance for Stone Quarry in an area of 1.650 ha. (1500 cum per annum) (Khasra No. 347/1), Village - Bamnoda, Tehsil - Garhakota, 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. 347/1), Village - Bamnoda, Tehsil - Garhakota, Dist. Sagar (MP) 1.650 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. 313 dated: 15/07/20 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 it was observed by the committee that the mismatch documents are submitted with case file. For example as per Form-2 submitted by PP and lease documents, the case is for Flagstone query while PFR, EMP submitted with case file, it is mentioned that the case is for Stone query. Moreover, in mine plan and PFR blasting is proposed and when committee asked RQP why blasting is required in case of flagstone production, no satisfactory answer was provided by him. Thus committee after deliberation decided that case file may be sent to SEIAA and PP may be asked to resubmit the case file after making necessary corrections in the submitted documents.

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 7955/2020 M/s MKC Infrastructure Ltd, Shivnagar, Anjar, Dist. Kachh, Gujarat - 370110 Prior Environment Clearance for Stone Quarry in an area of 4.90 ha. (400000 cum per annum) (Khasra No. 416/1, 477, 478/1/min-2), Village - Jodma, Tehsil - Garoth, Dist. Mandsaur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 416/1, 477, 478/1/min-2), Village - Jodma, Tehsil - Garoth, Dist. Mandsaur (MP) 4.90 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 3559 dated: 07/10/2020 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 lease was obtained under temporary permit (TP). During presentation it was observed that the lease area is already excavated. PP submitted that it is very old pit and they have got the lease in such condition and this pit has shown on surface map in the Mining Plan and a pucca

roads are in the south and east side at a distance of 400 meter. After presentation the committee asked to submit following details:

- Revised plantation scheme as suggested by committee.
- Revised EMP as suggested by committee.
- Commitment that transportation shall be carried out by 40 tonn dumpers.

PP has submitted the response of above quarries same date vide letter dated 18.12.2020, 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 of Stone as per mine plan with quantity not exceeding 4,00000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 15.17 Lakh as capital and Rs 06.65 Lakh/year as recurring cost are proposed by PP.

**21. Case No 7958/2020 Shri Shishir Khandar, Samashish Bhavan, 18, Malik Complex, Tenament Hotel, Airport Center Pliant, Somalwada, Wardha Road, Dist. Nagpur, Mah. 440025 Prior Environment Clearance for Sand Quarry in an area of 1.0 ha. (3220 cum per annum) (Khasra No. 01), Village - Kodarkhapa, Tehsil - Chand, Dist. Chhindwara (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 01), Village - Kodarkhapa, Tehsil - Chand, Dist. Chhindwara (MP) 1.0 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 3523 dated: 23/9/2020 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. During presentation as per Google image based on coordinates provided by PP, it was observed that the part of lease is under submergence, for which PP shall submit

that lease is minable only in 03 months approx. in the months of March to May. After presentation the committee asked to submit following details:

- PP's commitment that lease is minable from March to May months only (approximately 03 months only) and rest of the year lease is filled with water.

PP has submitted the response of above quarries same date vide letter dated 18.12.2020, 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 'B':

1. Production of Sand as per mine plan with quantity not exceeding 3,220 cum/year.
2. Mining is permitted from March to May every year when water recedes down. No in stream mining shall be carried out.
3. A budgetary provision for Environmental management Plan of Rs. 8.08 Lakh as capital and Rs 02.52 Lakh/year as recurring are proposed by PP.

**22. Case No 7961/2020 Smt. Sushila Nagar W/o Shri Bhagirath Nagar, Village - Bordi Kalan, Tehsil - Icchawar, Dist. Sehore, MP, MP - 466001 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (6174 cum per annum) (Khasra No. 3/6/2), Village - Phangiya, Tehsil - Icchawar, Dist. Sehore (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 3/6/2), Village - Phangiya, Tehsil - Icchawar, Dist. Sehore (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 (Ekal Praman-Patra) letter no. 1870 dated: 03/10/2020 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 wherein it was observed by the committee that it's a case of Stone mining. During presentation it was observed by committee that a natural drain at a distance of 75 meter and a pucca roads are in the north

East east side at a pucca road is about >500 meter in the west side . After presentation the committee asked to submit following details:

- Revised plantation scheme as suggested by committee.
- Revised EMP as suggested by committee.
- Commitment that crusher shall be installed from outside the lease.

PP has submitted the response of above quarries same date vide letter dated 18.12.2020, 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 of Stone as per mine plan with quantity not exceeding 6174 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 12.73 Lakh as capital and Rs 1.65 Lakh/year as recurring are proposed by PP.

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

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

**(Dr. Rubina Chaudhary)**  
**Member**

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

**(Dr. J. P. Shukla)**  
**Member**

**(Dr. Anil Sharma)**  
**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".
24. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
25. Mining Lease boundary shall be appropriately earmarked with fencing.
26. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.

**Annexure- 'B'**

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

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100

meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.

2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Only registered vehicles/tractor trolleys which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4<sup>th</sup> or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. 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".
27. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
28. Mining Lease boundary shall be appropriately earmarked with fencing.
29. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.
28. Following conditions must be implemented by PP in case of sand mining as per NGT (CZ) order dated 19/10/2020 in OA NO. 66/2020 and SEIAA's instruction vide letter No. 5084 dated 09/12/2020.
  - i. The Licensee must use minimum number of poclains and it should not be more than two in the project site.

- ii. The District Administration should assess the site for Environmental impact at the end of first year to permit the continuation of the operation.
- iii. The ultimate working depth shall be 01 m from the present natural river bed level and the thickness of the sand available shall be more than 03 m the proposed quarry site.
- iv. The sand quarrying shall not be carried out below the ground water table under any circumstances. In case, the ground water table occurs within the permitted depth at 01 meter, quarrying operation shall be stopped immediately.
- v. The sand mining should not disturb in any way the turbidity, velocity and flow pattern of the river water.
- vi. The mining activity shall be monitored by the Taluk level Force once in a month by conducting physical verification.
- vii. After closure of the mining, the licensee shall immediately remove all the sheds put up in the quarry and all the equipments used for operation of sand quarry. The roads/pathways shall be leveled to let the river resume its normal course without any artificial obstruction to the extent possible.
- viii. The mined out pits to be backfilled where warranted and area should be suitable landscaped to prevent environmental degradation.
- ix. PP shall adhere to the norms regarding extent and depth of quarry as per approved mining plan. The boundary of the quarry shall be properly demarcated by PP.

**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".
25. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
26. Mining Lease boundary shall be appropriately earmarked with fencing.
27. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.

- b. Mining Lease area of the project (in ha.)
- c. Production capacity of the project.

**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.