STATE EXPERT APPRAISAL COMMITTEE MINUTES OF 427th MEETING **28th February, 2020**

The 427th meeting of the State Expert Appraisal Committee (SEAC) was held on 28th February, 2020 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Dr. Jai Prakash Shukla, Member.
4. Dr. R. Maheshwari, Member.
5. Shri R. S. Kori, Secretary.

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

1. **Case No. – 5709/2018 M/s. Sukhdeo Prasad Goenka, Goenka Bhavan, Station Road, Katni, (M.P.). Prior Environment Clearance for Expansion of Limestone mine in an area of 7.065 Ha. (from 1,00,000 ton per annum to 4,83,143 ton per annum) Khasra no. 14, 15/1, 15/2, 16 (Old Khasra) 10, 77(New Khasra) at Village- Harraiya, Tehsil - Vijeraghogarh, Dist. Katni (M.P.)**.

   This is case of Expansion of Limestone mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no. 14, 15/1, 15/2, 16 (Old Khasra) 10, 77(New Khasra) at Village- Harraiya, Tehsil - Vijeraghogarh, Dist. Katni (M.P.) 7.065 Ha. The project requires prior EC before commencement of any activity at site.

   PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collectors' Office vide letter no.4359 dated: 07/08/2008 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 17.62 ha including this mine.

   Earlier this case was scheduled in 320th SEAC meeting dated 14/07/2018, wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even it the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

   This case was presented by PP and their consultant in 326th SEAC Meeting dated 21/08/2018, wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 25/01/2020 which was forwarded through SEIAA vide letter no. 4444 dated 18/02/2020.

The case was presented by the PP and their consultant wherein PP presented salient features of the project:

FOR MINING PROJECTS			
Case NO. 5709			
S. no.	Particular		Details
1	Name of the project & its location	:	Harriya Limestone mine (7.065ha) Village- Harriya Tehsil- Vijayraghogarh Dist- Katni (MP)
2	Name of the Company, Address Tele No. & E-mail		M/s Sukhdeo Prasad Goenka, Station road, Katni (MP)
3	Latitude and Longitude of the project		$24^0$04'38.0" to $24^0$04'53.0" North 80^o38'44.0" to 80^o38'58.0"
4	If a Joint venture, the names & addresses of the JV partners including their share		NA
5	Project brief: nature of proposal (new/expansion,) total area-land use, project components, connectivity to the site etc		New , area –7.065 ha, Own land connectivityJukhehi- Kaymore- Bhadanpur PWD road - 0.09km
6	Whether the project is in the Critically Polluted Area (CPA):		No
7	Cost of the project		80 lakh
8	Employment generated/to be generated		45
9	Benefits of the project:		Employment, other CSR activities
10	Whether new or expansion project .If expansion: i from ……. MT to …….. MT ii What is the % of expansion		NA
11	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.		NA
12	If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF		NA
13	No. and Date of the ToR /and revised ToR, if any, letter issued by the authority		03/PS-MS/MPPCB/SEAC/TOR (299)/2018 Bhopal dated 02.01.2018
14	No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)		NA
15	If the project was considered in EAC, Pl. gives dates of the meeting (s)		NA

16	Type of Mine: (Open cast/Underground/mixed):		Opencast
17	Capacity of the mine applied for		**Limestone, 483143 TPA**
18	ML Area i. As per block allotment ii. As per approved mine plan		7.065ha
19	Date of approval of mine plan, mine closure plan, status & date		Mining plan approval date
20	Date of Board's approval:		NA
21	Date of Ground water clearance		NA
22	Date of mine closure approval		NA
23	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost		given below
24	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions		given below
25	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details		
			Signature of proponent
			Date

PP submitted that this is case of expansion from 1,00,000 ton per annum to 4,83,143 ton per annum, and this mine has been in operation since the year 1977, mine's first EC obtained in the year 2012. PP also submitted MoEF&CC's certified EC compliance report issued vide letter 25.04.2019.

Implementation of Conditions:- It is inferred from the above monitoring that the implementation of environmental conditions 02 found partly compiled, 33 agreed to comply , 16 being compiled and 02 not compiled and some compliance need improvements which are in progress, PA has been advised for implementation is to be taken care with the project development, attention is to be given to the vital condition like environment management, green belt development, OB and soil management also the submission and uploading of six monthly compliance report as per stipulations.

After presentation, PP was asked to submit following information:

1. Revised CER, incorporating activity like- sports kit distribution, play ground development, furniture distribution in the nearby school and grazing land development in the mine backfilled area and wasteland and traffic awareness training to the nearby villagers.

2. Revised EMP, incorporate grazing land development in the nearby Village with appropriate budget.

PP vide their letter dated 28.02.2020 submitted above query reply. These queries received from the PP which were placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for Expansion of Limestone mine in an area of 7.065 Ha. (from 1,00,000 ton per annum to 4,83,143 ton per annum) Khasra no. 14, 15/1, 15/2, 16 (Old Khasra) 10, 77 (New Khasra) at Village- Harraiya, Tehsil - Vijeraghogarh, Dist. Katni (M.P.), subject to the following special conditions:

PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Slope stability study shall be carried-out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(A) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.

14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. 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. As proposed in the landscape plan & EMP a minimum of 6689 trees (area 2.9446 ha.) shall be planted on barrior zone, backfilled area and along the transportation route .
21. Additional 150 trees will be planted against felling of 15 existing trees within the lease area.
22. Transportation of material shall be done in covered vehicles.
23. Transportation of minerals shall not be carried out through forest area.
24. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
25. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine.

Garland drain no.	**Location of Garland drain**	**Size mL X mW X mD**
Existing and Proposed garland drain		
EGD_1	Near dump between BP_1 - BP_24	132.00 X 1.00 X 1.00
EGD_2_dump	Near outside dump	88.00X 1.00 X 1.00
PGD_1	BP-3 to BP-7	280.00 X 1.00 X 1.00
PGD_2	BP-1 to BP-24	154.00 X 1.00 X 1.00
PGD_3	BP-11 to BP-18	467.00 X 1.00 X 1.00
PGD_4	BP-19 to BP-22	136.00 X 1.00 X 1.00

26. 16 numbers of settling pits shall be constructed within the garland drain and proposed to connect drains to large settling tanks through these pits to avoid silt discharge from open ended drains

Indentified Drain With No.	**No. of Settling Pit**	**Size of Settling Pit (M) W X L X D**
PGD_1	PSP_1 to PSP_3	0.5x0.35x1.5
PGD_1 to PGD_2	PSP_4	0.5x0.35x1.5

PGD_2	PSP_5 to PSP_6	0.5x0.35x1.5
PGD_3	PSP_9 to PSP_14	0.5x0.35x1.5
PGD_4	PSP_15 to PSP_16	0.5x0.35x1.5
EDG_2	PSP_7 to PSP_8	0.5x0.35x1.5

27. One settling tank is proposed to control sedimentation problem:

Details of Proposed settling Tank			
Settling tank no.	**Location**	**Size**	**Capacity of tank in KL**
PST_1	Between P_14	0.26 x 6mD	15600KL

28. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
29. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
30. The existing and proposed land use plan of the mine is as follows:

Items	**Existing**	**Conceptual Period**
Total lease area	**7.065 ha**	
Ultimate depth of mining	24m bgl (371m MSL)	43m bgl (352m MSL)
Area under dumps	1.1788 ha	Nil
Area under pits	3.3760 ha	5.3950ha
Infrastructure & Road	0.55ha	Nil
Mineral storage	Nil	Nil
Plantation	Nil	1.50ha
Un-worked area	1.9602ha	0.206ha
Total	**7.065ha**	**7.065 ha**
Water body	0.50ha	3.9504 ha
Area to be reclaimed	Nil	0.0540ha
Plantation		
Un-worked area	0.20ha (300no.)	1.50ha (3000 No.)
Backfilled area	Nil	Nil
Bench area	Nil	1.4446ha (2889 No.)
Total area for plantation	0.20ha (300No.)	2.9446ha (5889 No.)

31. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.

32. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
33. The commitments made in the public hearing are to be fulfilled by the PP.
34. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
35. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(B) ENTIRE LIFE OF THE PROJECT

36. In the proposed EMP, capital cost is Rs. 42.24 Lakh is proposed and Rs.14.77 Lakh /year as recurring expenses.
37. Under CSR activity, Rs. 24.78 Lakh [This includes budget for different issues rose in public hearing] are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
38. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. 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.
39. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
40. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
41. PP will comply with all the commitments made vide letter dated 28.02.2020.
42. 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/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

2. <u>Case No. - 6021/2019 M/s Double Fortune Pvt Ltd, Plot No. 62, 2nd floor, Okhla Industrial Estate, Phase-3, New Delhi Prior Environment Clearance for Flagstone Quarry in an area of 4.99 ha. (Flagstone - 8041.0 cum per annum, Salable Waste Material - 3000.0 cum per annum) (Khasra No. 5/1 & 5/2), Village - Jajer Raiyatwari, Tehsil - Banda, Dist. Sagar (MP). Environmental Consultant -M/s Creative Enviro Services.</u>

This is case of Flagstone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 5/1 & 5/2), Village - Jajer Raiyatwari, Tehsil -

Banda, Dist. Sagar (MP) 4.99 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. 173 dated: 22/01/19 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 9.98 ha. including this mine.

Earlier this case was presented by PP and their consultant in 360th SEAC Meeting dated 11/04/2019, wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 11/02/2020 which was forwarded through SEIAA vide letter no. 4431 dated 17/02/2020.

The case was presented by the PP and their consultant wherein PP presented salient features of the project:

FOR MINING PROJECTS – 6021/2019			
S. no.	Particular		Details
1	Name of the project & its location	:	**Jajer Raiyatwari Flagstone mine (4.99 ha)** Khasra No. 5/2 Village-Jajer Raiyatwari , Tehsil-Banda, Dist-Sagar (MP)
2	Name of the Company, Address Tele No. & E-mail		M/s, Double Fortune Private Limited Plot No.-62, 2nd Floor Okhla Industrial Estate, Phase-3 New Delhi
3	Latitude and Longitude of the project		$24^0$06'4.5" to $24^0$06'13.0" North 78^o46'14.3" to 78^o46'14.3" East
4	If a Joint venture, the names & addresses of the JV partners including their share		NA
5	Project brief: nature of proposal (new/expansion,) total area-land use, project components, connectivity to the site etc		New, area – 4.99ha, Pvt. Land Connectivity-Banda Road NH-86 - 20.50 km
6	Whether the project is in the Critically Polluted Area (CPA):		No
7	Cost of the project		60.0 lakh
8	Employment generated/to be generated		16
9	Benefits of the project:		Employment, other CSR activities
10	Whether new or expansion project .If expansion: i from ……. MT to …….. MT ii What is the % of expansion		New
11	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.		NA

12	If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF		NA
13	No. and Date of the ToR /and revised ToR, if any, letter issued by the authority		184/PS-MS/ MPPCB/ SEAC/ TOR (356)/ 2019 Bhopal date 24/04/2019
14	No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)		NA
15	If the project was considered in EAC, Pl. gives dates of the meeting (s)		NA
16	Type of Mine: (Open cast/Underground/mixed):		Opencast
17	Capacity of the mine applied for		**Flagstone**
18	ML Area i. As per block allotment ii. As per approved mine plan		4.99ha
19	Date of approval of mine plan, mine closure plan, status & date		Mining plan approval date
20	Date of Board's approval:		NA
21	Date of Ground water clearance		NA
22	Date of mine closure approval		NA
23	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost		Given below
24	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions		Given below
25	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details		Dhasan River – 1.00 km- SSE Barel Nalla- 6.0 km Bankari Nadi – 7.75km- ENE Nimni Nala- 6.50 km - E Village Reservoir – 7.50 km Nalla – 0.50km- N Nalla- 1.25km – N Nalla – 1.75km- NNE

During presentation it was observed that in the DFO, letter vide no 1113 dated 20.04.2017 forest area is at a distance of approx. 10 meters from the lease boundary, for which PP has obtained approval from Divisional Commissioner Level Forest Committee, meeting held on 16.03.2018.

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

1. Revised CER incorporate activity like- sports kit distribution, play ground development, furniture distribution in the nearby school, grazing land development in the mine backfilled area and wasteland and traffic awareness.
2. Revised EMP, incorporate grazing land development in the nearby Village with budget.

PP vide their letter dated 28.02.2020 submitted query reply, the other queries received from the PP which were placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for approval of Flagstone Quarry in an area of 4.99 ha. (Flagstone - 8041.0 cum per annum, Salable Waste Material - 3000.0 cum per annum) (Khasra No. 5/1 & 5/2), Village - Jajer Raiyatwari, Tehsil - Banda, Dist. Sagar (MP),subject to the following special conditions:

PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Slope stability study shall be carried-out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.
11. No evacuation of mineral shall be carried out from the nearby forest area.
12. All the conditions stipulated Divisional Commissioner Level Forest Committee; meeting held on 16.03.2018 shall be complied by PP.

(C) MINING OPERATIONAL PHASE

13. No blasting shall be carried out for mining of Flagstone.
14. Working height of the loading machines shall be compatible with bench configuration.
15. No intermediate stacking is permitted at the mine site.
16. No dump shall be stacked outside the lease area.
17. Dust Suppression through tanker on 1613m length and X 7.5m wide road shall be provided in mine.
18. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
19. 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. As proposed in the landscape plan & EMP a minimum of 6350 trees (area 3.1755 ha.) shall be planted on barrior zone, backfilled area and along the transportation route .
20. Transportation of material shall be done in covered vehicles.
21. Transportation of minerals shall not be carried out through forest area.
22. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
23. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine.

Garland drain no.	Location of Garland drain	Size mL X mW X mD
PGD_1	BP-1 to BP-4	461.00 X 1.00 X 1.00
PGD_2	BP-4 to BP-8	426.00 X 1.00 X 1.00
PGD_3	BP-8 to BP-1	205.00 X 1.00 X 1.00

24. It is proposed to make 9 numbers of settling pits within the garland drain and proposed to connect drains to large settling tanks through these pits to avoid silt discharge from open ended drains

Indentified Drain With No.	No. of Settling Pit	Size of Settling Pit (M) W X L X D
PGD_1	PSP_1 to PSP_4	0.5x0.35x1.5
PGD_2	PSP_5 to PSP_7	0.5x0.35x1.5
PGD_3	PSP_ 8 to PSP_9	0.5x0.35x1.5

25. One settling tank is suggested to control sedimentation problem

Details of Proposed settling Tank			
Settling tank no.	**Location**	**Size**	**Capacity of tank in KL**
PST_1	Between P_7 & P_8	0.27ha x 5mD	13500KL

26. Boundary wall of stones and inside drain (stone pitched) shall be made all along the periphery to prevent the flow of mineral and OB.
27. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
28. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
29. The existing and proposed land use plan of the mine is as follows:

Items	**Existing**	**SOM Period**	**Conceptual Period**
Total lease area	**4.99 ha**		
Ultimate depth of mining	Nil	11m bgl (454 m MSL)	12 m bgl (454 m MSL)
Ultimate pit slope		45 degree	45 degree
Area under dumps	0.00 ha	1.0281ha	0.00ha
Area under pits	Nil	0.7671ha	4.1155ha
Infrastructure & Road	Nil	0.02ha	Nil
Mineral storage	Nil	Nil	Nil
Plantation	0.00 ha	0.25ha	0.50 ha
Un-worked area	4.99ha	2.9248ha	0.3745ha
Total	**4.99 ha**	**4.99 ha**	**4.99 ha**
Water body	Nil	0.50ha	1.4395ha
Area to be reclaimed	Nil	Nil	2.0255 ha
Plantation			
Un-worked area	Nil	0.25ha (500No.)	0.50 ha (1000No.)
Backfilled area	Nil	Nil	2.0255 ha (4050No.)
Bench area	Nil	Nil	0.65ha (1300No.)
Total area for plantation	Nil	0.25ha (500No.)	3.1755 ha (6350No.)

30. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
31. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
32. The commitments made in the public hearing are to be fulfilled by the PP.
33. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
34. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(D) ENTIRE LIFE OF THE PROJECT

35. In the proposed EMP, capital cost is Rs. 47.14 Lakh is proposed and Rs.12.83 Lakh /year as recurring expenses.
36. Under CSR activity, Rs. 4.0 Lakh has proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
37. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. 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.
38. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
39. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
40. PP will comply with all the commitments made vide letter dated 28.02.2020.
41. 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/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

3. <u>Case No. - 6001/2019 M/s Double Fortune Pvt Ltd, Plot No. 62, 2nd floor, Okhla Industrial Estate, Phase-3, New Delhi Prior Environment Clearance for Flagstone Quarry in an area of 4.99 ha. (Flagstone – 7,959 cum per annum, Salable Waste Material – 3,000 cum per annum) (Khasra No. 5/2), Village - Jajer Raiyatwari, Tehsil - Banda, Dist. Sagar (MP).</u>

This is case of Flagstone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 5/2), Village - Jajer Raiyatwari, Tehsil - Banda,

Dist. Sagar (MP) 4.99 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. 173 dated: 22/01/19 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 9.98 ha., including this mine.

Earlier this case was presented by PP and their consultant in 356th SEAC Meeting dated 30/03/2019, wherein ToR was recommended. PP has submitted the EIA report vide letter dated 11/02/2020 which was forwarded through SEIAA vide letter no. 4429 dated 17/02/2020.

The case was presented by the PP and their consultant wherein PP presented salient features of the project:

FOR MINING PROJECTS – 6001/2019			
S. no.	Particular		Details
1	Name of the project & its location	:	**Jajer Raiyatwari Flagstone mine (4.99 ha)** Khasra No. 5/1, 5/2 Village-Jajer Raiyatwari , Tehsil-Banda, Dist- Sagar (MP)
2	Name of the Company, Address Tele No. & E-mail		M/s, Double Fortune Private Limited Plot No.-62, 2nd Floor Okhla Industrial Estate, Phase-3 New Delhi
3	Latitude and Longitude of the project		$24^0$06'10.8" to $24^0$06'19.2 North 78^o46'09.70 to 78^o46'24.9" East
4	If a Joint venture, the names & addresses of the JV partners including their share		NA
5	Project brief: nature of proposal (new/expansion,) total area-land use, project components, connectivity to the site etc		New, area – 4.99ha, Pvt. Land Connectivity-Banda Road NH-86 - 20.50 km
6	Whether the project is in the Critically Polluted Area (CPA):		No
7	Cost of the project		60.0 lakh
8	Employment generated/to be generated		18
9	Benefits of the project:		Employment, other CSR activities
10	Whether new or expansion project .If expansion: i from ……. MT to …….. MT ii What is the % of expansion		New
11	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.		NA
12	If expansion, please indicate the number and		NA

	date of the certified Compliance Report of Regional Office of the MoEF		
13	No. and Date of the ToR /and revised ToR, if any, letter issued by the authority		186/PS-MS/ MPPCB/ SEAC/ TOR (356)/ 2019 Bhopal date 24/04/2019
14	No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)		NA
15	If the project was considered in EAC, Pl. gives dates of the meeting (s)		NA
16	Type of Mine: (Open cast/Underground/mixed):		Opencast
17	Capacity of the mine applied for		**Flagstone**
18	ML Area i. As per block allotment ii. As per approved mine plan		4.99ha
19	Date of approval of mine plan, mine closure plan, status & date		Mining plan approval date 30.05.2018
20	Date of Board's approval:		NA
21	Date of Ground water clearance		NA
22	Date of mine closure approval		NA
23	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost		Given below
24	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions		Given below
25	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details		Dhasan River – 1.25 km - SSE Nimni Nala - 6.50 km - E Village Reservoir – 7.50 km Nalla – 0.25km - N Nalla - 1.00km – N Nalla – 1.50km - NNE

During presentation it was also obsedved that in the DFO, letter vide no 11 dated 20.04.2017 forest area is at a distance of approx. 07 meters from the lease boundary, for which PP has obtained approval from Divisional Commissioner Level Forest Committee, meeting held on 16.03.2018. After presentation, PP was asked to provide response on following:

1. Revised CER incorporate activity like- sports kit distribution, play ground development, furniture distribution in the nearby school, grazing land development in the mine backfilled area and wasteland and traffic awareness.
2. Revised EMP, incorporate grazing land development in the nearby Village with budget.

PP vide their letter dated 28.02.2020 submitted query reply, the other queries received from the PP which were placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for Flagstone Quarry in an area of 4.99 ha. (Flagstone – 7,959 cum per annum, Salable Waste Material – 3,000 cum per annum) (Khasra No. 5/2), Village - Jajer Raiyatwari, Tehsil - Banda, Dist. Sagar (MP), subject to the following special conditions:

PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Slope stability study shall be carried-out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.
11. No evacuation of mineral shall be carried out from the nearby forest area.
12. All the conditions stipulated Divisional Commissioner Level Forest Committee, meeting held on 16.03.2018 shall be complied by PP.

(E) MINING OPERATIONAL PHASE

13. No blasting shall be carried out for mining of Flagstone.
14. Working height of the loading machines shall be compatible with bench configuration.
15. No intermediate stacking is permitted at the mine site.
16. No dump shall be stacked outside the lease area.

17. Dust Suppression through tanker on 1613m length and X 7.5m wide road shall be provided in mine.
18. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
19. 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. As proposed in the landscape plan & EMP a minimum of 6520 trees (area 2.6135 ha.) shall be planted on barrior zone, backfilled area and along the transportation route.
20. Transportation of material shall be done in covered vehicles.
21. Transportation of minerals shall not be carried out through forest area.
22. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
23. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine.

Garland drain no.	**Location of Garland drain**	**Size mL X mW X mD**
PGD_1	**BP-1 to BP-3**	**382.00 X 1.00 X 1.00**
PGD_2	**BP-3 to BP-5**	**212.00 X 1.00 X 1.00**

24. It is proposed to make 04 numbers of settling pits within the garland drain and proposed to connect drains to large settling tanks through these pits to avoid silt discharge from open ended drains:

Indentified Drain With No.	**No. of Settling Pit**	**Size of Settling Pit (M)** **W X L X D**
PGD_1	PSP_1 to PSP_2	0.5x0.35x1.5
PGD_1 & PGD_2	PSP_3	0.5x0.35x1.5
PGD_2	PSP_ 4	0.5x0.35x1.5

25. One settling tank is suggested to control sedimentation problem

Details of Proposed settling Tank			
Settling tank no.	**Location**	**Size**	**Capacity of tank in KL**
PST_1	Between P_1 & P_2	0.23ha x 5mD	11500KL

26. Boundary wall of stones and inside drain (stone pitched) shall be made all along the periphery to prevent the flow of mineral and OB.
27. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
28. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
29. The existing and proposed land use plan of the mine is as follows:

Items	**Existing**	**Conceptual Period**
Total lease area	**4.99 ha**	
Ultimate depth of mining	2 m bgl (463 m MSL)	11 m bgl (454 m MSL)
Ultimate pit slope		45 degree
Area under dumps	0.00 ha	0.00ha
Area under pits	0.052 ha	4.2925 ha
Infrastructure & Road	Nil	Nil
Mineral storage	Nil	Nil
Plantation	0.00 ha	0.40 ha
Un-worked area	4.938 ha	Nil
Total	**4.99 ha**	**4.99 ha**
Water body	0.052 ha	2.479 ha
Area to be reclaimed	Nil	1.7135 ha
Plantation		
Un-worked area	Nil	0.40 Ha (800No.)
Backfilled area	Nil	1.7135 Ha (3430no.)
Bench area	Nil	0.50ha (1000No.)
Total area for plantation	Nil	2.6135 Ha (5230No.)

30. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
31. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
32. The commitments made in the public hearing are to be fulfilled by the PP.
33. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
34. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(F) ENTIRE LIFE OF THE PROJECT

35. In the proposed EMP, capital cost is Rs. 47.14 Lakh is proposed and Rs.12.83 Lakh /year as recurring expenses.
36. Under CSR activity, Rs. 4.0 Lakh has proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
37. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. 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.
38. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
39. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
40. PP will comply with all the commitments made vide letter dated 28.02.2020.
41. 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/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

4. <u>Case No 6788/2020 M/s Nakoda Construction Company, Partner - Shri Ahhay Jain, 3-4, Diamond Colony, Dist. Indore, MP – 452001 Prior Environment Clearance for Construction of Proposed "Golden Palm" (Total Plot Area – 30,687.30 sqm, Total Proposed Built up Area – 50,765.88 sqm) at Khasra No. – 200/1, 201, 203, 204, 206, 207,</u>

214/1, 214/2, Village - Niranjanpur, Tehsil - Indore, Dist. Indore, MP.Category: 8(a) Building & Construction Project.

This is case of Prior Environment Clearance for Construction of Proposed "Golden Palm" (Total Plot Area – 30,687.30 sqm, Total Proposed Built up Area – 50,765.88 sqm) at Village - Niranjanpur, Tehsil - Indore, Dist. Indore, M.P. Cat. - 8(a) Building and Construction Projects.

Earlier this case was scheduled for presentation in 422th SEAC meeting dated 10/02/2019, 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 and even it the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was scheduled again for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 422th SEAC meeting dated 10/02/2019. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

5. Case No 6817/2020 Shri Ahivaran Singh Narwaria, Keeratpur Gohad Choraha, Tehsil - Gohad, Dist. Bhind, MP – 477116 Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (1,49,999 cum per annum) (Khasra No. 4), Village - Pahad, Tehsil - Gohad, Dist. Bhind (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 4), Village - Pahad, Tehsil - Gohad, Dist. Bhind (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-patr) letter No. 1427 dated: 02/01/2020 has reported that there is 01 more mines operating or proposed within 500 meters around the said mine with total area of 8.00 ha including this mine.

The case was presented by the PP and their consultant, wherein PP stated that this mining is in operation from the year 2006 to 2016 and till from year 2016 this mining operation is not being carried out. PP further submitted that baseline monitoring of this project area is already in

progress. Committee after deliberation observed that being it's a case Stone Quarry with total area of 8.0 ha. including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Commitment from PP that no mining operations are carried out from the year 2015-16.
2. On the Google image it was seen that habitation is just 250 meters in the NW side of the lease. Thus in the EIA, proposed blasting parameters with peak particles velocity, spacing between two holes, depth of charging, explosive used for per hole, powder factor, quantity of explosive per blasting etc. shall be discussed to avoid fly rocks projectile due to blasting in the nearby habitation.
3. On Google image the mine is seen with filled of water, PP will proposed de-watering plan of it.
4. PP submitted that baseline monitoring of this project area is already in progress, PP will do heavy metals analysis in all soil samples and pesticide analysis should be conducted in the atleaset one soil sample as site is surrounded by agricultural land.

6. Case No 6792/2020 M/s. Shrijee Sugar & Power Pvt. Limited, Shri Akhilesh Goyal, Director, Village - Sohagpur, Tehsil & Dist. Betul, MP – 460004 Prior Environment Clearance for Fuel Ethanol Plant of 45 KLD with 1.2 MW Co-gen power plant (Khasra No. 217/6), Village - Sohagpur, Tehsil - Betul, Dist. Betul (MP). Category: 5 (g) Distilleries.

This is case of Prior Environment Clearance for Expansion for Fuel Ethanol Plant of 45 KLD (Khasra No. 217/6), Village - Sohagpur, Tehsil - Betul, Dist. Betul (MP). Category- 5(g). The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

Earlier this case was scheduled for presentation in 423th SEAC meeting dated 11/02/2019, 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 and even it the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project. PP has also submitted revised from-1 just before the meeting which was placed before the committee along with case file.

The case was presented by PP and their consultant wherein PP submitted that the application was forwarded by SEIAA to SEAC for appraisal of case in B-2 Category in the light of gazette notification published MoEF&CC dated 17th January 2019.

The salient features of the project:-

M/s Shrijee Sugar & Power Pvt Limited (SSPPL) is operating Sugar plant with capacity of 2500 TCD along with 5 MW Co-gen power plant at Village- Sohagpur, Tehsil- Betul Dist Betul (MP. Keeping in view of the future requirements of Fuel Ethanol, M/s SSPPL are proposing to set up a 45 KLD fuel ethanol plant (Molasses based) with 14 TPH Incineration Boiler in same premises. It will employ fermentation, multi pressure distillation system, evaporation & slop fired incineration boiler based co-gen power plant of 1.2 MW. Sugar factory will supply molasses, while the new incineration boiler & turbine will supply steam & power to the proposed ethanol plant. All steam and power requirements of the ethanol, co-gen auxiliaries during operating periods, will be met internally from the incineration co-gen power plant.

Sr.	Details	Sugar	Co-gen	Distillery & Power
1	Status	Existing	Existing	Proposed
2	Location	Village- Sohagpur, Tehsil & District Betul MP.		
3	Khasara No	76/1 & 76/2		
4	Capacity	1500 TCD Existing 2500 TCD applied	5 MW	45 KLPD & 14TPH Incineration Boiler
5	Working days	160	160	330
6	Raw material	Sugarcane	Bagasse	Molasses
7	Required quantity of raw material	3,125 Lacs MT of sugar cane	625 TPD of Bagasse	166 TPD of Molasses
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	120 M3/day (Condensate water will be used)	-	251 M3/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

Sr. No.	Particulate	Description
1.	Name of the proponent	M/s ShriJee Sugar & Power Pvt Limited
2.	Project capacity	45 KLPD Molasses Based Ethanol Plant with 14 TPH Incineration Boiler.
3.	Khasara No. & Location of the project	Khasara No. 217/6, Village- Sohagpur, Tehsil- Betul Dist Betul (MP) MP.
4.	Geographic Location	21°52'28.00" to 21°52'40.82"North 77°58'40.44" to 77°58'52.18" East 647 m MSL
5.	Land requirement	Total land 11.33 ha for proposed Distillery Unit 8.0048 acres (project area) 4.00ha green belt area
6.	Product	Product: Fuel Ethanol :45 KLPD With 14 TPH Incineration Boiler.
7.	Operation days	330 days
8.	Molasses required	Molasses 166 TPD (Fermentable sugar 45% w/w)
9.	Total water	In sugar Season from cane excess water (After recycling) and in Off season 251 KLD.
10.	Source of water	Borewell
11.	Electricity	Operational: 847 kWh Connected load: 1185 kWh
12.	Turbine generator	1.20 MW
13.	Steam	9.92 TPH
14.	Fuel	Concentrated spent wash: 117 TPD Bagasse – 75 TPD
15.	Source	Captive & Nearby Market
16.	Boiler	14 TPH Incineration Boiler
17.	DG	625 kva
18.	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 multi effect evaporator followed by slope fired boiler.
19.	Man-power	70 skilled and unskilled
20.	Total project cost	4682 Lakhs
21	Land acquired	11.33 ha
22	Land required for proposed plant (Built up only)	1.989 acres
23	Proposed area for plantation	4.00ha
24	Existing area of plantation	11.20 acres

25	Capital Cost for Environmental measures (Existing)	Rs 150 Lacs
26	Capital Cost for Environmental measures (proposed)	Rs 1342 Lacs
27	Recurring cost for environmental monitoring etc (Proposed)	Rs 21.30 Lacs

Land break Up:

Land use Break-Up for Existing and proposed unit		
	Area in Sq Mt	
Particular	**Existing Sugar Unit**	**Proposed Distillery unit**
Built up Area of main plant and machineries	44500	8049
Road area	4500	2024
Raw Material storage area	13200	100
Fuel Storage Area	4500	2024
Roof Area	5000	N A
Parking area	300	Common
Green Belt	30000	8098
Open Land	10000	12097
Total area	112000	32392

Environmental Setting Of Project

Particulars	**Details**
Locations	Sohagpur, Tehsil & Dist. Betul (MP)
Latitude Longitude	21°52'28.00" to 21°52'40.82"North 77°58'40.44" to 77°58'52.18" East
General ground level	682-674m MSL
Nearest National/state Highway	NH-69 - 1.250km – S
Nearest Railway Station	Malkapur Road - 3.50 km – NNW Betul - 7.75km - W
Nearest Airport	Betul Hawai Patii - 1.25 km - SW
Nearest Tourist Place within 10km radius.	Balaji Temple - 5.25km - SW
Archaeological Important Place within 10km radius.	None
Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	None

Reserved / Protected Forest within 10km radius	RF - 1.25km - SE PF- - 1.75km- E Borna PF - 6.25km- N Ranipur RF - 7.50km- NNW Jagdhar RF - 3.25km- SE
Nearest major city with 100000 population within 10km radius	Betul - 8.00 - W
Nearest Town / City within 10km radius	Betul - 8.00 - W
Nearest Village	Sohagpur - Adjacent - N
Nearest River/ Nalla/water reservoir	Machna River - 3.50km - NNE Sampna Reservior - 1.75km - SE Chakora Nalla - 1.50km - N Canal - Adjacent - N Sampna Nadi - 1.75km- - SSE
Nearest Hill Ranges	None within 10km radius
Industry within 10km radius	None

PP further stated that, this proposed ethanol unit would be ZLD based with provision of MEE and incineration boiler. Condensate Polishing Unit (CPU) will treat spent lees, cooling tower blow down, boiler blow down and process condensate. Spent wash will be treated by multi effect evaporator followed by slope fired boiler. The concentrated spent wash will be used as fuel in the boiler and generated potash rich ash will used as manure and given to the nearby farmers. The fresh water consumption has been estimated as 7.8 KL per KL for 45 KLD plant. The Multi Effect Evaporator with thermal recompression for spent wash evaporation shall be provided for proposed unit which will be followed by incineration boiler to maintain the zero discharge condition. CPU and RO are also proposed for unit of 45 KLD plant. Following are the details of recycling and reuse to restrict the fresh water consumption within 10/10 kl of alcohol production

Committee after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for installation of fuel ethanol unit of 45 KLD with 14 TPH incineration boiler i.e. 1.2 MW cogen plant in the existing sugar manufacturing unit at Khasra no 217/6, Village- Sohagpur, Tehsil & District Betul MP 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. CO2 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 161h November, 2009 shall be complied with.

(C) Water quality monitoring and preservation

1. Total fresh water requirement shall not exceed 251 cum/day proposed to be met from ground water source. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
2. The spent wash shall be taken to multi effect evaporators (MEE) and the concentrated spent wash shall be incinerated in the boiler along with bagasse.
3. Number of working/operating days for the distillery shall be 300 days as proposed. However, the same may be increased to 330/round the year subject to zero liquid discharge ensured by the SPCB, while considering the Consent to Operate
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 MEE, Incineration boiler 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. The Fly ash generated from boilers shall be stored in silos and disposed to farmers of the area. The ash may be mixed with available press mud
4. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
5. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
6. 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.
7. 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.
8. 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.
9. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
10. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.

11. 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.
12. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
13. 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. Total 8000 trees will be planted on 04 ha. land as green belt development . 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) Corporate Environment Responsibility

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
5. The proposed EMP cost is Rs. 1295.0 Lakhs as capital and 21.30 Lakhs /year as recurring cost.

6. Under CER activity, Rs. 47.0 Lakhs has proposed for different activities. PP shall comply with the commitment of providing infrastructure facility at school and skill development programme.
7. 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.
8. 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.

7. Case No 6791/2020 M/s. Mahakaushal Sugar & Power Industries Limited, Shri Nawab Raza, Village - Bachai, Dist. Narsinghpur Prior Environment Clearance for Fuel Ethanol Plant of 60 KLD and 2.5 MW Co-generation plant (Khasra No. 149, 168), Village - Bachai, Tehsil - Narsinghpur, Dist. Narsinghpur (MP).Category: 5 (g) Distilleries.

This is case of Prior Environment Clearance for Fuel Ethanol Plant of 60 KLD (Khasra No. 149, 168), Village - Bachai, Tehsil - Narsinghpur, Dist. Narsinghpur (MP). Category-5(g). The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

Earlier this case was scheduled for presentation in 423th SEAC meeting dated 11/02/2019, 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 and even it the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project. PP has also submitted revised from-1 just before the meeting which was placed before the committee along with case file.

The case was presented by PP and their consultant wherein PP submitted that the application was forwarded by SEIAA to SEAC for appraisal of case in B-2 Category in the light of gazette notification published MoEF&CC dated 17th January 2019.

The salient features of the project:-

M/s Mahakaushal sugar & Power Industries Ltd (MSPIL) is operating Sugar plant with capacity of 4000 TCD along with 12.8 MW Co-gen power plant at Village- Bachai, Tehsil & Dist Narsighpur (MP). Keeping in view of the future requirements of Fuel Ethanol, M/s MSPIL are proposing to set up a 60 KLD fuel ethanol plant (Molasses based) with 25 TPH Incineration Boiler in same premises. It will employ fermentation, multi pressure distillation system, evaporation & slop fired incineration boiler based co-gen power plant of 2.5 MW. Sugar factory will supply molasses, while the new incineration boiler & turbine will supply steam & power to the proposed ethanol plant.

All steam and power requirements of the ethanol, co-gen auxiliaries during operating periods, will be met internally from the incineration co-gen power plant.

Sr.	Details	Sugar	Co-gen	Distillery & Power
1	Status	Existing	Existing	Proposed
2	Location	Village- Bcahai, Tehsil& Distcit Narshingpur (MP)		
3	Khasara No	149/4, 151/1, 165, 165/2		
4	Capacity	4500 TCD	12.8 MW	60 KLPD & 25TPH

				Incineration Boiler
5	Working days	120	160	330
6	Raw material	Sugarcane	Bagasse	Molasses
7	Required quantity of raw material	4000 TCD of sugar cane	1.5 TPH of Bagasse	220 TPD of Molasses
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	354 M3/day (only recycled water is used)	74 M3/day (recycled water)	466 M3/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

Sr. No.	**Particulate**	**Description**
1.	Name of the proponent	M/s Mahakaushal Sugar And Power Industries Ltd.
2.	Project capacity	60 KLPD Molasses Based Ethanol Plant with 25 TPH Incineration Boiler.
3.	Khasara No. & Location of the project	149/4, 149/1, 165, 165/2 Total 35 Acre at village Bachai District Narsinghpur M.P.
4.	Geographic Location	1. 22°52'33.81"N- 79°18'26.03"E 2. 22°52' 26.86 "N- 79°18'31.11"E 3. 22°52' 31.88 "N- 79°18'42.08"E 4. 22°52'34.81"N- 79°18'40.57"E 5. 22°52'34.74"N- 79°18'33.44"E
5.	Land requirement	Total Available Land Approx 35 Acres Land Earmarked for proposed unit : 5 Acre Built up area of proposed unit : 2.5 Acres Green belt area for proposed unit: 1.5 Acre Total Green belt area : 12 Acre
6.	Product	Product: Fuel Ethanol :60 KLPD With 25 TPH Incineration Boiler.
7.	Operation days	300-330 days
8.	Molasses required	Molasses 220 TPD (Fermentable sugar 42% w/w)
9.	Total water	466 KLD (After recycling)
10.	Source of water	Borewell
11.	Electricity	Operational: 1050 kWh Connected load: 1360 kWh

12.	Turbine generator	2.5 MW
13.	Steam	13.20 TPH
14.	Fuel	Total Spent wash : 600 M^3 TPD Concentrated spent wash: 156 M^3 TPD Bagasse – 180 TPD
15.	Source	Captive & Other units near about
16.	Boiler	25 TPH Incineration Boiler
17.	DG Sets	Existing DG sets of 1000 KVAX2, shall be used as standby arrangement
18.	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 multi effect evaporator followed by slope fired boiler.
19.	Man-power	92 skilled and unskilled
20.	Total project cost	6000 Lakhs
21	Land acquired	35 acres inclusive of sugar unit
22	Land earmarked for proposed distillery unit	5 acres
23	Proposed area for plantation wrt distillery unit	12 acres
24	Existing area of plantation	2 acres
25	Capital Cost for Environmental measures (proposed)	Existing : 500 Lacs Proposed : 2100 Lacs
26	Recurring cost for environmental monitoring etc (Proposed)	Existing : 32 Lacs Proposed : 35 Lacs

Environmental Setting Of Project

Particulars	Details
Locations	Village- Bachai, Tehsil & Dist Narsingpur (MP)
Toposheet No.	55 N1 and 55 N-5
Latitude Longitude	1. 22°52'33.81"N- 79°18'26.03"E 2. 22°52' 26.86 "N- 79°18'31.11"E 3. 22°52' 31.88 "N- 79°18'42.08"E 4. 22°52'34.81"N- 79°18'40.57"E 5. 22°52'34.74"N- 79°18'33.44"E
General ground level	388 m
Nearest National/ State Highway	SH-22 -4.70 NNE ,, NH-26 – 0.25 km -W
Nearest Railway Station	Narsinghpur -12 km
Nearest Airport	Jabalpur-83.85km
Nearest Tourist Place	Bhedaghat – 57.55 km
Archaeological Important Place	None

Ecological Sensitive Areas (Wild Life Sanctuaries)	None
Reserved / Protected Forest within 10km radius	Bachai- RF -3.0 km, Bakori RF -5.85 km, Pf -0.55km
Nearest Town / City	Narsinghpur -16 km
Surrounding village within 1 km area of the project.	Agariya – 0.80 km N
Nearest village	Bachai- 0.35 km -W
Nearest River	Sher River – 5 km -E
Nearest Lake/ Ponds	Village pond- 0.90 km-SE Village pond -2.10 km –ESE
Nearest Hill Ranges	None
Other major industries in 10 km radius	None
Surrounding Features	N- Agriculture Land E- Agriculture Land S- Forest Area W-North South Corridor (NH-26)

PP further stated that , this proposed ethanol unit is ZLD based with provision of MEE and incineration boiler. Condensate Polishing Unit (CPU) will treat spent lees, cooling tower blow down, boiler blow down and process condensate. The Spent wash will be treated by multi effect evaporator followed by slope fired boiler. The concentrated spent wash will be used as fuel in the boiler and generated potash rich ash will used as manure and given to the nearby farmers. The fresh water consumption has been estimated as 7.7 KL per KL (466 KLD) for 60 KLD plant. Multi Effect Evaporator with thermal recompression for spent wash evaporation shall be provided for proposed unit which will be followed by Incineration boiler to maintain the zero discharge condition. CPU and RO are also proposed for unit of 60 KLD plant. .

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 installation of fuel ethanol unit of 60 KLD with 25 TPH incineration boiler i.e. 2.5 MW cogen plant in the existing sugar manufacturing unit at khasra no 149, 168 Village- Bachai, Tehsil & District Narisnghpur (MP) 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. CO2 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 161h November, 2009 shall be complied with.

(C) Water quality monitoring and preservation

1. Total fresh water requirement shall not exceed 251 cum/day proposed to be met from ground water source. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.

2. The spent wash shall be taken to multi effect evaporators (MEE) and the concentrated spent wash shall be incinerated in the boiler along with bagasse.
3. Number of working/operating days for the distillery shall be 300 days as proposed. However, the same may be increased to 330/round the year subject to zero liquid discharge ensured by the SPCB, while considering the Consent to Operate
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 MEE, Incineration boiler 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. The Fly ash generated from boilers shall be stored in silos and disposed to farmers of the area . The ash may be mixed with available press mud
4. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
5. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
6. 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.
7. 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.
8. 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.
9. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
10. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
11. 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.
12. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.

13. 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. 12 acres will be covered with the good green belt and 8400 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) Corporate Environment Responsibility

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
5. The proposed EMP cost is Rs. 1903.0 Lakhs as capital and 29.18 Lakhs /year as recurring cost.
6. Under CER activity, Rs. 60 Lakhs has proposed for different activities. PP shall complied with the commitment of providing infrastructure facility at school, traffic

awareness programme, solar pumps, water harvesting structures and skill development programme in surrounding areas.

7. 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.
8. 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.

8. <u>Case No 6803/2020 M/s. Om Stone Work, Partner - Smt. Ranjana Devi, Village & Post - Mahamalpur, Dist. Mirzapur, UP – 231501 Prior Environment Clearance for Stone Quarry in an area of 1.20 ha. (15,096 cum per annum) (Khasra No. 908, 921 (Pvt. Land)), Village - Badkud, Tehsil - Chitrangi, Dist. Singrauli (MP).</u>

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 908, 921 (Pvt. Land)), Village - Badkud, Tehsil - Chitrangi, Dist. Singrauli (MP) 1.20 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter No. 2396 dated: 10/08/2018 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	**Approximate aerial distance from the lease area in meters**	**Direction**	**Remarks**
03 Trees	Within lease	-	01 Tree is proposed for failing is commitment that PP will take permission from the competent authority and compensatory 10 trees will be planted against one tree failing. Commitment that 01 tree within the lease and 01 tree in the barrier zone should be protected
Isolated houses	>50	East –West and South	Controlled muffle blasting with arrangements of sand bags and three rows of Plantation in this side.
Natural stream	>180	South- East	Provision of Garland drain & settling tanks.

After presentation the committee asked to submit following details:

- Revised inventory of existing trees within lease.
- Protection plan for nearby habitation/isolated huts.
- Revised EMP with addition to proposal for re-grassing the mining area at closure time, on the OB dumps, on the soil of garland drain and on the back filled area (if any) .

PP has submitted the response of above quarries same date vide letter dated 28.02.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone – 15,096 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 9.51 Lakh as capital and Rs. 2.38 Lakh/year. Under CER Rs. 0.50 Lakh/ year has proposed.

9. Case No 6804/2020 Shri Naresh Prajapati S/o Shri Babulal Prajapati, Village - Banwar, Tehsil & DIst. Gwalior, MP – 475001 Prior Environment Clearance for Soil Quarry in an area of 1.091 ha. (1,000 cum per annum) (Khasra No. 2077/2, 2078/2, 2115/Min-4), Village - Banwar, Tehsil - Chinor, Dist. Gwalior (MP).

This is case of Soil Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2077/2, 2078/2, 2115/Min-4), Village - Banwar, Tehsil - Chinor, Dist. Gwalior (MP) 1.091 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. QL-58 dated: 27/12/2019 has reported that there is 01 more mines operating or proposed within 500 meters around the said mine with total area of 2.448 ha including this mine.

The case was presented by the PP and their consultant wherein PP stated that this is soil query mining for bricks making in which no drilling and blasting is proposed only manual mining will

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

Sensitive Features	**Approximate aerial distance from the lease area in meters**	**Direction**	**Remarks**
Canal	>170	South	Only manual mining is proposed.
Pakki Road	>100	East	

After presentation the committee asked PP to submit following details:

i. Revised water balance chart.
ii. Revised EMP with addition to proposal for re-grassing the mining area at closure time, on the OB dumps, on the soil of garland drain and on the back filled area (if any) .
iii. Commitment for depth restriction of 02 meters.
iv. Details of kiln proposed for brick backing and proposed fuel.
v. Disposal plan of generated fly ash.
vi. Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder, school boundary wall and traffic awareness camp.

Vide letter dated 28.02.2020, PP has submitted the desired information, which was placed before the committee. After deliberations, the EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Soil 1,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 4.19 Lakh as capital and Rs. 2.33 Lakh/year. Under CER Rs. 0.25 Lakh/years has proposed.

10. <u>Case No 6806/2020 Shri Rajendra Singh Yadav, Harlal Pura, Naipari, Tehsil - Kailaras, Dist. Morena, MP - 476224, Prior Environment Clearance for Soil Quarry in an area of</u>

1.16 ha. (2,694 cum per annum) (Khasra No. 953, 951/1 (Pvt.)), Village - Suhas, Tehsil - Kailaras, Dist. Morena (MP).

This is case of Soil Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 953, 951/1 (Pvt.)), Village - Suhas, Tehsil - Kailaras, Dist. Morena (MP) 1.16 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. QL-25 dated: 25/01/2020 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 PP stated that this is a soil query mine for bricks making in which no drilling and blasting is proposed only manual mining will be carried out. During presentation as per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	**Approximate aerial distance from the lease area in meters**	**Direction**	**Remarks**
Natural drain	>220	East	Only manual mining is proposed.

PP further stated that mine lease is in two parts to make total area 1.0 ha. After presentation the committee asked to submit following details:

i. Revised water balance chart.
ii. Revised EMP with addition to proposal for re-grassing the mining area at closure time, on the OB dumps, on the soil of garland drain and on the back filled area (if any) .
iii. Commitment for depth restriction of 02 meters.
iv. Details of kiln proposed for brick backing and proposed fuel.
v. Disposal plan of generated fly ash.
vi. Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder, school boundary wall and traffic awareness camp.

Vide letter dated 28.02.2020, PP has submitted the desired information, which was placed before the committee. After deliberations, the EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Soil 2,694 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 05.675 Lakh as capital and Rs. 2.39 Lakh/year. Under CER Rs. 0.35 Lakh/years has proposed.

11. Case No 6800/2020 Shri Badri Prasad Prajapati, Village - Tikula, Post - Mohana, Tehsil - Ghatigaon, Dist. Gwalior, MP - 475330 Prior Environment Clearance for Soil Quarry in an area of 1.00 ha. (1,000 cum per annum) (Khasra No. 2752, 2753, 2754 (Pvt.)), Village - Mohana, Tehsil - Ghatigaon, Dist. Gwalior (MP).

This is case of Soil Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2752, 2753, 2754 (Pvt.)), Village - Mohana, Tehsil - Ghatigaon, Dist. Gwalior (MP) 1.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. QL-16 dated: 30/12/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein PP stated that this is soil query mining for bricks making in which no drilling and blasting is proposed only manual mining will be carried out. During presentation as per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	**Approximate aerial distance from the lease area in meters**	**Direction**	**Remarks**
Railway Track	>70	SW-NE	Only manual mining is proposed.
Pakki Road	>140	South	

After presentation the committee asked to submit following details:

i. Revised water balance chart.
ii. Revised EMP with addition to proposal for re-grassing the mining area at closure time, on the OB dumps, on the soil of garland drain and on the back filled area (if any) .
iii. Commitment for depth restriction of 02 meters.
iv. Details of kiln proposed for brick backing and proposed fuel.
v. Disposal plan of generated fly ash.
vi. Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder, school boundary wall and traffic awareness camp.

Vide letter dated 28.02.2020, PP has submitted the desired information, which was placed before the committee. After deliberations, the EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Soil 1,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 3.934 Lakh as capital and Rs. 2.17 Lakh/year. Under CER Rs. 0.25 Lakh/years has proposed.

12. Case No 6801/2020 Shri Manoj Kumar Tyagi S/o Shri Ramprakash Tyagi, 65/4, Vikash Nagar Ward No. 28, Dist. Betul, MP – 460001 Prior Environment Clearance for Stone Quarry in an area of 1.296 ha. (13,098 cum per annum) (Khasra No. 369/14), Village - Kolgaon, Tehsil - Betul, Dist. Betul (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 369/14), Village - Kolgaon, Tehsil - Betul, Dist. Betul (MP) 1.296 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Assistant Mining Officer (Collector Office Betul) letter No. 1205 dated:

26/06/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	**Approximate aerial distance from the lease area in meters**	**Direction**	**Remarks**
Natural stream	>330	North - East	Provision of Garland drain & settling tanks.

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

1. Production shall be as per mine plan with quantity not exceeding for Stone – 13,098 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.47 Lakh as capital and Rs. 2.29 Lakh/year. Under CER Rs. 0.450 Lakh/ year has proposed.

13. <u>Case No 6802/2020 Smt. Manju Agrawal, Tapti Ward, Station Road, Multai, Dist. Betul, MP – 460001 Prior Environment Clearance for Stone Quarry in an area of 1.00 ha. (5,292 cum per annum) (Khasra No. 7/6), Village - Mahatpur, Tehsil - Multai, Dist. Betul (MP)</u>

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 7/6), Village - Mahatpur, Tehsil - Multai, Dist. Betul (MP) 1.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1358 dated: 29/07/2019 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 2.70 ha including this mine.

The case was presented by the PP and their consultant. PP stated that mine lease is in two parts to make total area 1.0 ha. During presentation as per Google image based on coordinates provided by PP, observed that no any significant sensitive features were observed within 500 meters of the lease area:

After presentation the committee asked to submit following details:

- Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder, school boundary wall and traffic awareness camp.

Vide letter dated 28.02.2020, PP has submitted the desired information, which was placed before the committee. After deliberations, the EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 5,292 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.84 Lakh as capital and Rs 1.96 Lakh/year and under CSR Rs. 0.35 Lakh/years

14. Case No 6820/2020 M/s GHV India Pvt. Ltd, Project Incharge - Shri Shirajbhai Kadiwala, 1st Floor, AML Center 1, Mahakali Caves Road, Andheri East, Dist. Mumbai, Mah. – 394440 Prior Environment Clearance for Murrum and Stone Quarry in an area of 4.50 ha. (Stone – 1,75,235 cum per annum, Murrum – 50,000 cum per annum) (Khasra No. 06), Village - Saraspura Tehsil - Sitamau, Dist. Mandsaur (MP).

This is case of Murrum and Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 06), Village - Saraspura Tehsil - Sitamau, Dist. Mandsaur (MP) 4.50 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 263 dated: 23/01/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	**Approximate aerial distance from the lease area in meters**	**Direction**	**Remarks**
Kachcha Road	>15	-	Controlled muffle blasting with arrangements of sand bags and three rows of Plantation in this side.
Stop dam	>150	SW & E	Provision of Garland drain & settling tanks.

PP further stated that, this lease was obtained under temporary permit (TP) with 02 years validity**.** After presentation the committee asked to submit following details:

- Commitment that no crusher is proposed within the lease.
- Plantation proposal of 4200 nos., and this shall be done within one year because of this case of TP.

PP has submitted the response of above quarries same date vide letter dated 28.02.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone - 1,75,235 cum per annum, Murrum – 50,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 18.09 Lakh as capital and Rs. 7.18 Lakh/year. Under CER Rs. 04.10 Lakh/ year has proposed.

15. Case No 6812/2020 Shri Danish Khan S/o Shri Mohd. Shafi Khan, Shrinagar, Tehsil - Gotegaon, Dist. Narsinghpur, MP – 487118 Prior Environment Clearance for Murrum Quarry in an area of 1.193 ha. (6,000 cum per annum) (Khasra No. 1078/1, 1078/2 Part), Village - Bagaspur, Tehsil - Gotegaon, Dist. Narsinghpur (MP).

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1078/1, 1078/2 Part), Village - Bagaspur, Tehsil - Gotegaon, Dist. Narsinghpur (MP) 1.193 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 Nayab Tehsildar Office letter No. 568 dated: 07/08/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	**Approximate aerial distance from the lease area in meters**	**Direction**	**Remarks**
Canal	>50 & >160	North & East	Provision of Garland drain & settling tanks.
Pucca Road	>90	West	No blasting is proposed and only manual mining shall be carried out. Three rows of Plantation in this side.
Isolated houses and	>50 & >30	East	
Settlement	>300	North	

PP further stated that no blasting is proposed and only manual mining shall be carried out. After presentation the committee asked to submit following details:

- Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder, school boundary wall and traffic awareness camp.

PP has submitted the response of above quarries same date vide letter dated 28.02.2020, 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 after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum Quarry 6,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 3.97 Lakh as capital and Rs 1.69 Lakh/year and under CER Rs. 0.40 Lakh/years has proposed

(Dr. R. Maheshwari)
Member

(Dr. Mohd. Akram Khan)
Member

(Dr. J.P Shukla)
Member

(Dr. Anil Sharma)
Member

(R.S.Kori)
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/Murrum 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 CSR 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. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020

Annexure- 'B'

Standard conditions applicable for the Sand Mine Quarries*

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. The mining activity shall be done manually and as per the land use plan & approved mine plan submitted by PP.
5. No heavy vehicles shall be allowed to enter the river bed and the transportation of the sand from the excavation pits of the leased area to the loading point shall be through trolleys (tractor trolleys) and not by heavy vehicles. Only registered 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.
6. 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.
7. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.

8. 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.
9. No Mining shall be carried out during Monsoon season.
10. The depth of mining shall be restricted to 3m or water level, whichever is less. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
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 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.
12. 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.
13. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
14. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
15. 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.
16. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
17. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
18. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. 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.
19. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
20. 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.
21. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
22. 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.
23. 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.
24. 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.
25. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020

Annexure- 'C'

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

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

19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020

Annexure- 'D'
General conditions applicable for the granting of TOR

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

16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
19. The EIA report should clearly mention activity wise EMP and CSR cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020

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.

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