

The 511th meeting of the State Expert Appraisal Committee (SEAC) was held on 26th August, 2021 under the Chairmanship of Dr. Praveen Chandra Dubey for the projects / issues received from SEIAA. The Following members attended the meeting in person or through video conferencing –

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

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

1. **Case No. – 7044/2020 Executive Engineer, Office of the Executive Engineer, Narmada Development Division No. 20, Mandleshwar, Dist. Khargone, (M.P.). Prior Environment Clearance for ISP - Kalisindh Micro Lift Irrigation Scheme Phase II at Tehsil - Punasa, Dist. Khandwa (M.P.). GCA-1,40, 218 Ha., CCA 1,10,000 ha. (No. of benefited villages 270) District Covered ,Khandwa, Dewas, Shajapur Rajgarh. Cat. 1(c) River Valley Project. Env. Consultant- M/s. R.S. Envirolink Technologies Pvt. Ltd, Gurgaon.**

This is a Micro Lift Irrigation Scheme involving CCA 1,10,000 of culturable command area falls under category "B" and have been mentioned at SN. 1(c) column B of Schedule of EIA Notification, hence such projects are required to obtain prior EC from the SEIAA. The application for EC was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP.

Earlier this case was scheduled for presentation and discussion in 437th SEAC dated 01/06/2020 and in 492nd SEAC dated 19/3/21 wherein revised ToR with revised GCA-1,40,218 Ha., CCA 1,10,000 ha. , Discharge 35.24 Cumec, Benefitted villages 270 in District Covered - Khandwa, Dewas, Shajapur and Rajgarh was recommended.

PP has submitted the EIA report vide letter dated 02/8/21 which was forwarded through SEIAA vide letter no. 1600 dated 06/08/21 and the same was scheduled in the agenda.

The EIA was presented by the Mr. Ravindra S. Bhatiya, Env. Consultant , M/s. R. S. Envirolink Technologies Pvt. Ltd, Gurgaon and Mr T. R. Pachore , Executive Engineer, Narmada Development Division No. 20 , Madleshwar, Khargone wherein PP submitted that the project is a micro-lift irrigation scheme; consisting of lifting water from ISP reservoir and distribution through a pressurized piped system to cultivators for irrigation during Rabi season. Water will be supplied up to 2.5 ha chak size under adequate pressure (minimum 23m head) for drip/sprinkler system to be installed by cultivators. The project consists of piped system with Supervisory Control and Data Acquisition (SCADA). In the proposed scheme, 35.24 cumec of water from existing Indira Sagar Project reservoir will be lifted by using 5 pumps through various combinations of rising mains and gravity mains up to Distribution Chamber near Raheli village. Water will be distributed to command area upto 2.5ha chak outlets by joining Rising mains and Gravity mains to the primary and secondary distribution networks. PP further presented following details about project:

- The proposed project, ISP Kalisindh II Micro Lift Irrigation Scheme, is a Government of Madhya Pradesh lift irrigation project to provide irrigation water to 1,10,000 ha of Culturable Command Area (CCA).
- Water will be lifted from ISP reservoir to irrigate a total of 1,10,000 ha of CCA on both side of Kalisindh river covering 270 villages of 7 tehsils of Shajapur & Rajgarh districts.
- Scoping Clearance was accorded by SEAC vide letter No. 28/PS-MS/MPPCB/SEAC/437/2020 dated 23/06/2020 for 100000 ha CCA; Scoping Clearance was amended for 110000 ha CCA vide letter No. 258/PS-MS/MPPCB/SEAC/TOR (492)/2021 dated 05/04/2021.
- Study was conducted during July & August 2020; Public Hearings were conducted on 14th July 2021, 16th July 2021, 19th July 2021 & 23rd July 2021 in districts Dewas, Shajapur, Rajgarh & Khandwa, MP respectively.

The Project consists of following Components:

- Pump Houses (5 nos.)
- Break Pressure Tanks (2 Nos.)
- Distribution Chamber (1 no.)
- Sub station
- Transmission line
- Gravity main– Main line
- Rising main - MS pipeline
- Branch mains (MS/DI/HDPE) up to 20 ha Chak

- Distribution Network (HDPE) from 20 ha chak to 2.5 ha chak
- Flow & Pressure Control Valves, Air valves.

PROJECT DESCRIPTION

- The scheme is designed to lift 35.24 cumec of water from existing Indira Sagar Project reservoir by using 5 pumps houses through various combinations of twin line rising mains and gravity mains followed by distribution.
- Water will be distributed to command area upto 2.5 ha chak outlets by joining Rising mains and Gravity mains to the primary and secondary distribution networks.
- Land and building for Pumphouse 1 was already covered in Kalisindh phase I LIS for which EC has been granted to NVDA and is under execution by L&T. Electromechanical work for phase II will be carried out in the existing pumphouse under the phase II.
- The scheme will benefit 270 villages of 7 tehsils of Shajapur & Rajgarh districts.

PERMANENT LAND REQUIREMENT

- Permanent land would be required for the construction of pumping stations, Delivery chamber as valve chambers, switch yards and laying of rising main, gravity main, electrical lines.
- Total permanent land requirement has been worked out as 159.18 ha out of which 4.05 ha would be met by Private land, 8.04 ha by Government land and 147.09 ha by forest land.

Villages wise breakup		
S. No	Village	Area (ha.)
1	Boranya	11.709
2	Devasya	7.413
3	Tumri Kheda	13.91
4	Dehri	7.093
5	Piplya Khari	5.062
6	Singladeh	31.228

7	Kharadi	23.686
8	Banka Palash (Viraan)	46.989
Total		147.09

PROTECTED AREAS IN VICINITY

There is no protected area within 10 Km of the project location.

- Kheoni ESZ boundary is at about 55Km from lifting point and rising main will pass at a distance of 34 km.
- Ralamandal WLS is at about 70Km from lifting point and rising main will pass at a distance of 53 km.

PP further, stated that proposal for diversion of 147.09 ha. of forest land has been submitted vide reference no. FP/MP/IRRIG/139995/2021. No permanent R&R is involved only temporary R&R at pipe laying stage. The electric supply will be fulfilled from Shree Singaji Super Thermal Power Project Mundi, Khandwa . Committee further observed that there are several mistakes in the form-II submitted by PP. Since SEAC is appraising cases on the basis of documents and details uploaded online, thus all the mandatory information shall be precisely uploaded online for appraisal of case and to avoid unnecessary delay. After presentation committee asked PP to submit response on following issues and revised/updated information in Form-II, such as:

1. In point no.7.1 Under Details of Public Hearing- details of all public hearings are not uploaded. Even in EIA report, all the papers related to 04 public hearing shall be attached including point wise reply/suggestion raised during hearing and commitment of PP.
2. In point no.13.1 – Under Raw material- mentioned “water”, Justify.
3. In point no.18.1 - Under Air Quality Impact Prediction- Incremental Concentration value is “0” justify.
4. In point no.20 (b) – under “Land Ownership Pattern” mentioned that Private Land is 4.05 ha. then what about R&R status.

5. In point no.23.1 Details of Ecological Sensitivity shown as “0” justified how arrived at “0”.
6. Justify why data mentioned in the public hearing documents available on web portal are mismatch with the data mentioned in the presentation.
7. Justification for enhancement in cost from 4199.40 crore to 4619.34 crore.
8. Affidavit from PP that no area of this project is falling under “छोटे बड़े झाड़ के जंगल”.
9. DFO certificate from Khandwa, Dewas, Rajgarh and Shajapur to be submitted wrt to Narsinghrh WLS, Kheoni WLS & Omkareshwar working plan from concerned authorities.
10. PP will submit alternate route in case forest clearance is not granted and current status of FC clearance with supporting documents.
11. Justification in cost revision (enhancement from 4194.40 crores to 4619.34 crores) and all the data shall mention in EIA report and Form-II shall be inline.
12. PP’s commitment that diversion of any natural drainage is not proposed in this project.
13. PP’s commitment that 35.24 cumec water is available for this project from ISP.
14. Leakage detection plan and plan for protection against corrosion for MS pipes.
15. Detailed muck management plan considering machinery deployment, movement of trucks and cumulative effect on nearby environment.
16. PP’s commitment and proposal regarding sowing of medicinal plants (herbs & shrubs species like Ashwagandha , Kalmegh etc.) over the soil of pipelines in forest area.
17. PP’s commitment that they will make a team of people who look after all labour related environmental issues.
18. Under CER scheme with physical targets:
 - ✓ Proposal for CER activities should preferably be based upon commitment made during public hearing (if public hearing is conducted)
 - ✓ Activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle’s health checkup, Skill development for using Bamboo as raw material, Distribution of fruit bearing species etc., in concerned village shall be proposed.
 - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under “Ujjwala

Yojna” to them who are residing in the nearby villages, shall be considered.

- ✓ PP’s commitment that activities proposed in the CER and plantation scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained .

19. Under Plantation Scheme with budgetary allocations:

- ✓ Commitment that plantation comprising of local forest species including trees, herbs, shrubs and climbers shall be carried out preferably through forest department and its regular monitoring through M. P. Bio Diversity Board.

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

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

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

The case was presented by PP and their consultant M/s Forest Environment and Climate Change Management consultancy Pvt., Ltd., Bhopal wherein PP submitted following details:

- The project has a CCA area of 5940 ha; therefore as per EIA notification of September 2006 and subsequent amendment dated 14th August 2018, it is a Category B2 project (Medium irrigation project having CCA > 2000 ha and < 10000 ha)” and hence shall be appraised by SEIAA/SEAC, Madhya Pradesh.
- The supply source: Narmada River near village Amlali of Barwani district .
- Power consumption (including all types of power) :5.78 MW
- Muck requiring disposal has been estimated as 1,26,289 m3.

- Gross command area (GCA) 17,154 ha
- Culturable command area (CCA) 5,940 ha

LAND REQUIREMENT

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

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

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

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

3. Case No 7817/2020 M/s Viscus Oils Pvt. Ltd, 55/1/2-C, New Palasia, Dist. Indore, MP – 452001 Prior Environment Clearance for Expansion in Manufacturing of Resin & other Edible/non-edible based products at Khasa no., Village - Raokhedi, Post - Mangaliya, A.B. Road, Tehsil - Sanwer, Dist. Indore (MP).

This is case of Prior Environment Clearance for Expansion in Manufacturing of Resin & other Edible/non-edible based products at Khasa no., Village - Raokhedi, Post - Mangaliya, A.B. Road, Tehsil - Sanwer, Dist. Indore (MP).

The case was presented by the PP and their consultant for issuing of TOR to carryout EIA studies with site specific details wherein PP submitted that this is of expansion case quantity from 2000 MTPA, to 14000 MTPA. Earlier this case was scheduled for presentation and discussion in 463nd SEAC dated 1/10/2020 wherein ToR was recommended. PP has submitted the EIA report vide letter dated 26/7/21 which was forwarded through SEIAA vide letter no. 1688 dated 17/08/21 and the same was scheduled in the agenda.

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

4. Case No 8599/2021 M/s UltraTech Cement Ltd, Dr. K.V.Reddy Reddy, Senior Vice President & Corporate Head, Ahura Centre, 1st Floor, 'A' Wing, Mahakali Caves Road, Andheri (E), Dist. Mumbai, Mah. - 400093 Amendment in Prior Environment Clearance for Limestone Mine in an area of 68.91 ha. (0.27 Million Tonne per annum) Village - Budgawana, Baghwar & Ghorhatola, Tehsil - Rampur Naikin, Dist. Sidhi (MP). Env. Consultant- M/s. J.M. Enviro Net Pvt. Ltd, Jaipur.

This is case of Limestone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Village - Budgawana, Baghwar & Ghorhatola, Tehsil - Rampur Naikin, Dist. Sidhi (MP) 68.91 Ha. The project requires prior EC before commencement of any activity at site.

The case file along with Form-4 , PFR , Mining plan, EMP, DSR, NOC's and other relevant documents forwarded by SEIAA to SEAC vide no. 1555 dated 29.07.2021 for prior EC amendments .

The case was presented by the Mr. Ratnesh Shrivastav from M/s. UltraTech Cement Ltd and their Consultant M/s. J.M. Enviro Net Pvt. Ltd. wherein PP submitted that they have applied for amendment in Existing EC Letter w.r.t reduction in lease area from 68.91 ha. to 60.671 ha. PP further stated that in this amendment in Existing EC there are no change proposed in the production capacity, water requirement, manpower

requirement, power requirement Mining Technology and methodology etc. Following chronological details provided by PP:

S.N	Particulars	Date
1.	Mining Lease over an area of 68.91 Ha. was executed & registered in favor of M/s Jaiprakash Associates.	15.01.2007 & 21.03.2007
2.	Mine Lease area reduced 68.91 ha to 60.671 ha by the state Govt. vide letter no. F3-21/05/12/1 w.r.t area reduction due to restricted area of CWC Bansagar Canal	03.01.2009
3.	Supplementary Lease Agreement is executed for modification of the Mining Lease Agreement to the extent of the surrendered lease area	06.07.2009
4.	Final Mine Closure Plan was approved in the name of M/s. Jaiprakash Associates Limited	06.01.2015
5.	Review of Mining Plan was approved by IBM for 60.671 ha	17.01.2017
6.	All the business of JAL was transferred to UTCL	29.06.2017
7.	Mining Lease Area over an area of 60.671 ha was approved for transfer of Mining Lease from state government in the name of M/s. UTCL	25.05.2017
8.	MDPA was executed on and registered on (Common deeds).	24.06.2017 & 29.06.2017
9.	Mining Lease deed executed on and registered on	05.07.2017 & 05.08.2017
10.	Change of Name in review of Mining Plan from M/s. JAL to M/s. UTCL	19.04.2018.
11.	Supplementary Lease Deed w.r.t. validity extension has been executed and registered for 50 years valid up to 14.01.2057.	14.12.2018 & 22.12.2018

12.	Environment Clearance over an area of 68.91 ha was granted in the name of M/s. Jaiprakash Associates Limited (JAL)	13.05.2009
13.	Environment Clearance was transferred in the name of M/s. UltraTech Cement Limited	28.08.2017
14.	Consent to Establish for 60.671 ha has been obtained on valid up to 27.09.2022	13.02.2018
15.	Consent to Operate for 60.671 ha obtained on valid up to 31.05.2022	08.06.2019

HIGHLIGHTS OF THE PROJECT

S. No.	Particulars	As per Previous EC	After Modification	Remarks
A.	Mining Lease			
1.	ML Area	68.91 ha	60.671 ha	8.24 ha reduced due to <u>restricted area of CWC Bansagar Canal</u> as per state govt's letter dated 03.01.2009
	Government Land	22.80 ha	14.56 ha	
	Private Land	46.11 ha	46.11 ha	No Change
B.	Production Capacity			
2.	Production Capacity	0.27 MTPA	0.27 MTPA	No Change

DETAILS OF THE PROJECT

S. No.	Particulars	As per Previous EC	After Modification	Remarks
A.	Mining Lease			
1.	ML Area	68.91 ha	60.671 ha	8.24 ha reduced due to restricted area of CWC Bansagar Canal as per state govt's letter dated 03.01.2009
	Government Land	22.80 ha	14.56 ha	
	Private Land	46.11 ha	46.11 ha	No Change
B.	Production Capacity			
2.	Production Capacity	0.27 MTPA	0.27 MTPA	No Change
C.	Location			
3.	Villages	Budguana Baghwar Godhatola	Budguana Baghwar Godhatola	No Change
D	Requirements			
4.	Water Requirement	45 KLD	45 KLD	No Change
5.	Manpower Requirement	44 Nos.	44 Nos.	No Change
E	Mining Technology			
6.	Mining Method	Opencast Mining with Drilling Blasting	Opencast Mining with Drilling Blasting	No Change

During presentation, PP submitted that due to Bansagar Canal, their area has been reduced by the competent authority thus application for amendment in area is made. PP

also submitted that initially the EC was obtained M/s Jaiprakash Associates and later it was transferred in their name on 28.08.2017. After detail discussion and deliberation committee asked the PP to submit the following information for further appraisal of project:

1. Year wise details of area excavated (broken area), Limestone production, OB generation and Waste management since grant of initial EC.
2. With the reduction in area, which activity will be affected i.e. limestone production, life of mine or green cover as per the details provided in the initial EC.
3. Comparative land use for existing 68.91 ha and proposed 60.67 ha.
4. Compliance status with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
5. As per previous EC specific condition no. 02, please provide copy of permission obtained from NBWL and its compliance status.
6. How the required water demand is fulfilled? Copy of permission for water drawl obtained from competent authority shall be submitted.
7. When lease was transferred to M/s M/s UltraTech Cement Ltd., on 25/05/2017 and area was already reduced to 60.67 ha., in the year 2009, why application for reduction in area was not made at the time of transfer of lease.
8. EC was kept in abeyance by MoEF&CC vide their letter dated 05/12/17, please provide complete details that why EC was kept in abeyance and when abeyance was revoked with all credible evidences.
9. PP's affidavit as per the Ministry's OM dated 30.05.2018.
10. Copy with all annexure of last two six monthly compliance report filled by PP.
11. Copy of last/any EC compliance report issued by MoEF&CC since 13/05/2009.
12. Details of area covered with plantation with number of trees planted and their photographs.
13. The uploaded QCI certificate of consultant has been expired, thus please provide copy of valid consultant certificate as during presentation consultant informed that the y have valid QCI certificate.

5. Case No 8615/2021 M/s Madhav Infra Project, Shri Diwakar Pai, Authorized Person, Madhav Nagar, Plot No. 4, Near Panchratna Building, Sumanpura, Dist. Vadodara, Guj. - 390023 Prior Environment Clearance for Soil/ Murrum Quarry

**in an area of 4.0 ha. (75000 cum per annum) (Govt. land, Khasra No. 24/1),
Village - Chirola, Tehsil - Aron, Dist. Guna (MP)**

This is case of Soil/ Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 24/1), Village - Chirola, Tehsil - Aron, Dist. Guna (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri ram Vishal Shukla behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Panchyat, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, PFR & EMP for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 915 dated 11/05/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. PP further stated that it's a case of Murrum mining wherein no drilling and blasting is proposed and this lease is obtained under temporary permit (TP). During presentation as per Google image based on coordinates provided by PP Within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Human Settlement	190	South	No drilling and blasting proposed.
Pucca road	50	North	--
Some Trees	within lease	North and centre part	No tree cutting proposed.

PP submitted that no tree will be uprooted. Committee further observed that there are several mistakes in the form-II submitted by PP. Since SEAC is appraising cases on the basis of documents and details uploaded online, thus all the mandatory information shall be precisely uploaded online for appraisal of case and to avoid unnecessary delay. After presentation committee asked PP to submit response on following issues and revised/updated information in From-II, such as:

1. In point no. such as 13.0, 14.6, 16.1, 17.0 details are wrongly mentioned, please revise.
2. Commitment from PP that right to access shall be provided to the local villagers as kachcha road passing within lease.
3. PP's commitment regarding no tree felling is proposed.
4. Revised EMP as suggested by the committee.
5. Under CER scheme with physical targets:
 - ✓ Activities such as solar panels & white wash in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) in concerned village shall be proposed.
 - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to them who are residing in the nearby villages, shall be considered.
 - ✓ PP's commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained by them.
6. Under Plantation Scheme with budgetary allocations:
 - ✓ Comprehensive green belt plan as suggested by committee by adding native species like Babul, Khamar, Katang bamboo, Chirol and Neem etc) with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Babool seeds can be sown through trenching method on the periphery of lease for added protection along the fencing. Proposal for distribution of fruit bearing species for nearby villagers shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.
 - ✓ Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.

- ✓ Commitment that high density plantation (preferably using “Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation by CCF, Social Forestry Circle, Gwalior or any other competent agencies.
- ✓ Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
- ✓ Proposal for plantation in adjoining forest land through concerned DFO.

6. Case No 8616/2021 M/s Madhav Infra Project, Shri Diwakar Pai, Authorized Person, Madhav Nagar, Plot No. 4, Near Panchratna Building, Sumanpura, Dist. Vadodara, Guj. - 390023 Prior Environment Clearance for Stone Quarry in an area of 3.868 ha. (125000 cum per annum) (Private land, Khasra No. 136/3, 136/17, 156), Village - Khamkheda, Tehsil - Aron, Dist. Guna (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 136/3, 136/17, 156), Village - Khamkheda, Tehsil - Aron, Dist. Guna (MP) 3.868 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Ram Vishal Shukla behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, PFR & EMP for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 913 dated 11/05/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. PP further stated that it's a case of Stone mining and this lease was obtained under temporary permit (TP) for two years. During presentation as per Google image based on coordinates provided by PP Within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction
Human settlement	>500	NE

Pucca road	50	E & SE
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During presentation, it was observed that some isolated houses are in existence on the south western side of the lease for which PP submitted that these are labour hutments which are in existence due to coal tar plant on the south west side of the lease. Since SEAC is appraising cases on the basis of documents and details uploaded online, thus all the mandatory information shall be precisely uploaded online for appraisal of case and to avoid unnecessary delay. After presentation committee asked PP to submit response on following issues and revised/updated information in From-II, such as:

1. In point no. such as 13.0, 14.6, 16.1, 17.0 details are wrongly mentioned, please revise.
2. One pit existed just in the vicinity of the lease and also isolated labour houses in the west side lease in this context MO clarification shall be obtained.
3. Under CER scheme with physical targets:
 - ✓ Activities such as solar panels & white wash in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) in concerned village shall be proposed.
 - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under “Ujjwala Yojna” to them who are residing in the nearby villages, shall be considered.
 - ✓ PP’s commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained by them.
4. Under Plantation Scheme with budgetary allocations:
 - ✓ Comprehensive green belt plan as suggested by committee by adding native species like Babul, Khamar, Katang bamboo, Chirol and Neem etc) with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Babool seeds can be sown through trenching method on the periphery of lease for added protection along the fencing. Proposal for distribution of fruit bearing species for nearby villagers shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.
 - ✓ Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and

- guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
- ✓ Commitment that high density plantation (preferably using “Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation by CCF, Social Forestry Circle, Gwalior or any other competent agencies.
 - ✓ Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
 - ✓ Proposal for plantation in adjoining forest land through concerned DFO.

7. Case No 8603/2021 Shri Kamal Singh S/o Shri Chaand Singh Rajput, Ward No.4, Village - Pachore, Tehsil - Moman Badodiya, Dist. Shajapur, MP - 465226 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (5000 cum per annum) (Govt. Land, Khasra No. 1/Min-2), Village - Pipalyanolay, Tehsil - Moman Badodiya, Dist. Shajapur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Govt. Land, Khasra No. 1/Min-2), Village - Pipalyanolay, Tehsil - Moman Badodiya, Dist. Shajapur (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Ram Vishal Shukla behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, PFR & EMP for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 89 dated 20/01/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. During presentation as per Google image based on coordinates provided by PP it was observed that some mines are existed within 500 meters, whereas MO stated that no more mines operating or proposed within 500 meters around the said mine. PP submitted revised MO certificate issued vide letter no. 1069 dated 25.8.2021 stating that there were 05 mines within 500 m, out of which only 01 is in operation having area of 2.0 ha., thus cumulative area is 3.0 ha. Since SEAC is appraising cases on the basis

of documents and details uploaded online, thus all the mandatory information shall be precisely uploaded online for appraisal of case and to avoid unnecessary delay. After presentation committee asked PP to submit response on following issues and revised/updated information in From-II, such as:

1. In point no. such as 13.0, 14.6, 16.1, 17.0 details are wrongly mentioned, please revise.
2. Under CER scheme with physical targets:
 - ✓ Activities such as solar panels & white wash in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) in concerned village shall be proposed.
 - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under “Ujjwala Yojna” to them who are residing in the nearby villages, shall be considered.
 - ✓ PP’s commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained by them.
3. Under Plantation Scheme with budgetary allocations:
 - ✓ Comprehensive green belt plan as suggested by committee by adding native species like Babul, Khamar, Katang bamboo, Chirol and Neem etc) with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Proposal for distribution of fruit bearing species for nearby villagers shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.
 - ✓ Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
 - ✓ Commitment that high density plantation (preferably using “Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation by CCF, Social Forestry Circle, Ratlam or any other competent agencies.

- ✓ Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
- ✓ Proposal for plantation in adjoining forest land through concerned DFO.

8. Case No 8614/2021 Smt. Shobha Sisodiya W/o Shri Ramayan Singh Sisodiya, R/o Village - Kohka, Tehsil & Dist. Seoni Prior Environment Clearance for Stone Quarry in an area of 2.60 ha. (Expansion 15000 Cum per annum to 56231 cum per annum) (Private Land, Khasra No. 60/2), Village - Raghadehi, Tehsil - Seoni, Dist. Seoni (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Private Land, Khasra No. 60/2), Village - Raghadehi, Tehsil - Seoni, Dist. Seoni (MP) 2.60 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Balraj Singh behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, PFR & EMP for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-patra) letter No. 399 dated 28/07/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.60 ha., including this mine.

During presentation PP submitted that this is a case of capacity expansion of stone from 15,000 Cum per annum to 56,231 cum per annum. PP has submitted MoEF&CC compliance report vide no. 1071 dated 03.07.2021, wherein no non compliance is reported by the authority. During presentation, committee observed that only 40-45 trees are planted by PP, for which PP submitted that due to hard rock survival of plants is very difficult but they will keep on planting trees on the lease barrier zone. PP further submitted that they have planted approx. 2000 Sagone trees on private land and showed their photo. After presentation committee asked PP to submit response on following issues:

1. Revised plantation species by remove Guava from the proposed list and adding species like Neem, Amla, Kachnar, Gudhal, Sagone, Kamar, katnaga Bans etc.

2. Babul, Chirol and Neem shall be sowing on the 7.5m barrier zone by digging of trench.
3. PP's commitment that after mining is over, plantation will be looked after by them.
4. Proposal for planting trees like Neem, Maulshree, Putranjeeva, Amla, Kachnar, Imli in the nearby School (premises with boundary wall).
5. Proposal under CER for activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup, Distribution of fruit bearing species etc., in concerned village shall be proposed.
6. PP's commitment that trees shall be planted within one year in the barrier zone, evacuation road, and village through local DFO or Gram Panchayat etc. as per the submitted plantation scheme.

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

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

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

Discussion on files sent by SEIAA

10. Case No 8557/2021 Shri Uma Shankar Mishra, 765, Napier Town, Anand Cinema Road, Dist. Jabalpur, MP - 482001 Prior Environment Clearance for Quartz

Deposit in an area of 6.605 ha. (81,741 Tonne per annum) (Khasra No. 4 - Part, 94 - Part, 95 - Part), Village - Umaria, Tehsil - Dheemarkheda, Dist. Katni (MP)

This is case of Quartz Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 4 - Part, 94 - Part, 95 - Part), Village - Umaria, Tehsil - Dheemarkheda, Dist. Katni (MP) 6.605 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by PP and their consultant. During presentation, PP showed various documents such as lease sanction order, Gram Sabha/Gram Panchyat NOC, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Tehsildar letter No.1440 dated 07/11/20 no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant in the 502nd SEAC meeting dated 06-07-21. During presentation PP submitted that the proposed lease is on government land in an area of 6.605 ha. It was observed during presentation that as per the Google image a dam is in existence in the NW side at a distance of 200 meter & a natural drain in south side at 125 meter. Since blasting is proposed in the proposed method of mining, permission of competent dam authority shall be obtained and PPV study shall be conducted. It was also observed that some trees & bushes are in existence within the lease area for which PP was asked to submit their inventory up to species level. Considering green area in and around the proposed lease it was recommended by committee that cattle population grazing over that area in a radius of 02.00 km shall also be studied and reported in EIA. It was further suggested by committee that a suitable government agency to execute proposed plantation scheme shall be finalized and detailed plan be submitted with EIA report. PP vide letter dated 06/07/21 has requested that the name of PP is wrongly mentioned by SEIAA in case file and web site also and same shall be changed to Shri Uma Shankar Mishra as all the documents are in the name of Shri Uma Shankar Mishra.

Being it's a Quartz mine with total area of 6.605 ha and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5.00 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:-

- Permission from competent dam authority w.r.t. to mining in close vicinity of dam shall be obtained and annexed with EIA report.
- PPV study w.r.t. to dam, shall be conducted and protection plan shall be discussed in EIA report based on the outcome of PPV study.
- Inventory of existing trees & bushes up to species level shall be conducted and reported in EIA report.
- If any tree is proposed same shall be discussed and addressed in the EIA report.
- Considering green area in and around the proposed lease cattle population grazing over that area in a radius of 02.00 km shall also be studied and reported in EIA.
- A suitable government agency to execute proposed plantation scheme shall be finalized and detailed plan be submitted with EIA report along with a commitment that plant species will be procured from govt. nursery/ horticulture department.
- The project proponent shall discuss the mitigation measures provided in MoEF&CC Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled “Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”, and shall be discussed in the EIA report.

The case was discussed in 680th SEIAA meeting dtd 03/8/21 and it has been recorded that:

“The case was recommended for TOR in 502nd SEAC meeting dated 06/7/21 and after detailed discussion, it was decided that the case should be returned to SEAC for reappraisal of TOR Condition regarding plantation should be amended suitably to authorize PP to implement plantation in consultation with the agencies mentioned in the condition of SEAC”.

In view of above, the case file was sent back to SEAC re-appraisal of TOR condition.

In this meeting the above matter was discussed, this was one of the TOR condition regarding a suitable government agency to execute proposed plantation scheme. Committee after deliberations decided that at the time of EIA appraisal when PP

comes up with the suitable proposal, this issue will be deliberated and thus committee standby its recommendations made in 502nd SEAC meeting dated 06/7/21.

11. Case No 7805/2020 M/s R.K.Gupta Contractors and Engineers Pvt. Ltd, Authorized Person, Shri Rajendra Kumar Gupta, B-72, Shahpura, Dist. Bhopal, MP – 462039 Prior Environment Clearance for Khodu Bharu Sand Quarry in an area of 7.0 ha. (30,000 cum per annum) (Khasra No. 25/1), Village - Badgaon, Tehsil - Kasrawad, Dist. Khargone (MP).

This is case of Khodu Bharu Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 25/1), Village - Badgaon, Tehsil - Kasrawad, Dist. Khargone (MP) 7.0 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. 2186 dated: 20/07/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 16.0 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 462nd SEAC dated 30/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 23/6/21 which was forwarded through SEIAA vide letter no. 1295 dated 28/06/21 and the same was scheduled in the agenda.

PP and their consultant presented the EIA before the committee. During presentation, PP submitted that it's a Khodu Bharu sand mine with an area of 7.00 ha., wherein mining will be carried out as per approved mine plan with semi mechanized open-cast method of mining. During mining operations, manual labors will also be deployed. Tarpaulin covered trucks/tippers (PUC certified) will be used for loading and transportation of excavated sand. An area of 7.5m will be left along the lease boundary as barrier zone for the safety purpose wherein plantation is proposed. The quarrying operation will be carried out with developing benches. During appraisal, it was observed that proposed lease is approx. 200 m away from the River Narmada on northern side and a tributary in also in the existence on the North-East side approx. 100

meters. PP submitted that three row plantation will be planted on both the side of tributary. After presentation committee recommends that based on the discussion PP shall submit point wise reply / commitment / Revised EMP on following issues:

1. Mineral evacuation road/transportation road shall be made pucca and commensurate budgetary allocations shall be made in the EMP.
2. Tree sapling “Khirni” shall be replaced by “Katang Bamboo” in the proposed plantation scheme and commitment that plantation shall be carried out through Govt. agency (such as Van Vikas Nigam) / Gram Panchayat / Forest Department / Agricultural department by transferring proportionate funds to them.
3. Khus slips to be planted on the banks of tributary for bank stabilization and check soil erosion.
4. Before onset of monsoon season, 05 saplings per household of fodder / native fruit bearing species (such as Imli, Bel, Kaitha, Bahera, Amla, Nimbu, Kathal, Mango, Katang bamboo, Munaga etc) to be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers in it.
5. Under CER scheme provision to be made for providing solar lights in village school (to demonstrate use of alternate source of electricity) and plantation within school premises by students.
6. Local palatable perennial grass species proposed for grassland development shall be added in the species for grassland development and this activity shall be taken up through Local DFO on degraded land suitable for fodder development or through Gram Panchayat on suitable community land.
7. Dense plantation/ Wood Lot shall be developed (preferably using “Miyawaki Technique”) in 7.5m barrier zone left for plantation.
8. Fodder development in first year and there care till project by agency concerned and accordingly budgetary provisions should be enhanced.

PP vide their letter dated 06.07.2021 submitted query reply. The EIA, 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 ‘C’:

1. Production of Sand as per mine plan with quantity not exceeding 30,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 21.55 Lakh as capital and Rs.07.29 Lakh/year as recurring has proposed by PP.
3. As proposed, a minimum of 4200 trees/year shall be planted in barrier zone, evacuation road, Gram Panchayat Bhawan etc. as per the submitted plantation scheme.
4. Khus slips shall be planted on the banks of tributary for bank stabilization and check soil erosion.
5. Dense plantation/ Wood Lot shall be developed (preferably using “Miyawaki Technique”) in 7.5m barrier zone left for plantation.
6. Before onset of monsoon season, 05 saplings per 386 household of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers in it.
7. Plantation shall be carried out through Govt. agency (such as Van Vikas Nigam) / Gram Panchayat / Forest Department / Agricultural department by transferring proportionate funds to them.

The case was discussed in 680th SEIAA meeting dtd 03/8/21 and it has been recorded that..

“The case was recommended for EC in 502nd SEAC meeting dated 06/7/21. After detailed discussion and perusal of recommendation of SEAC, it was observed that the PP & SEAC have not incorporated certain issues raised during public hearing dated 13/3/2021. Apart from the above issues, local need based detailed CER plan and revised plantation programme in consultation with concerning departments and details of a available govt. & other land on the bank of Narmada River shall also be submitted. It was decided that the case be sent to SEAC for re-examination”.

In this meeting the above matter was discussed wherein committee deliberated that at the time of EIA appraisal issue raised in public hearing are discussed and relevant suggestions/recommendations are incorporated in the CER by SEAC and PP is instructed to submit revised proposal. However, in this case committee recommends that as per the decision of SEIAA, PP shall be instructed to submit suitable reply with commensurate budgetary allocations for re-examination.

12. Case No 7807/2020 M/s R.K.Gupta Contractors and Engineers Pvt. Ltd, Authorized Person, Shri Rajendra Kumar Gupta, B-72, Shahpura, Dist. Bhopal, MP – 462039 Prior Environment Clearance for Khodu Bharu Sand Quarry in an area of 10.0 ha. (30,000 cum per annum) (Khasra No. 64, 65, 67), Village - Badgaon, Tehsil - Kasrawad, Dist. Khargone (MP)

This is case of Khodu Bharu Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 64, 65, 67), Village - Badgaon, Tehsil - Kasrawad, Dist. Khargone (MP) 10.0 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. 2184 dated: 20/07/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 462nd SEAC dated 30/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 23/6/21 which was forwarded through SEIAA vide letter no. 1293 dated 28/6/21.

The EIA was presented by PP and their consultant the before the committee. PP stated that it's a Khodu Bharu sand mine with an area of 10.0 ha., wherein mining will be carried out as per approved mine plan with semi mechanized open-cast method of mining. During mining operations, manual labors will also be deployed. Tarpaulin covered trucks/tippers (PUC certified) will be used for loading and transportation of excavated sand. An area of 7.5m will be left along the lease boundary as barrier zone for the safety purpose wherein plantation is proposed. The quarrying operation will be carried out with developing benches. During appraisal, it was observed that proposed lease is approx. 350 m away from the River Narmada on northern side and approx. 140 m away from a tributary on the north-west side. Habitation is on the east side at a distance of 80 meters for which PP submitted that 20 meters area within the lease will be left as non mining area (set back) excluding barrier zone wherein three row plantations will be carried out. Committee suggested that the area which is towards habitation and where PP has left 20 meter set back shall be developed wood log area

planted by native plant species. (“Miyawaki Technique”) in consultation with concerned DFO and same shall be executed by any government agency. Committee further suggested that before onset of monsoon season, local fruit bearing tree saplings (such as Bel, Harra, Bahera, Amla, Nimbu, Kathal, Mango etc) shall be distributed in nearby villagers to promote plantation from social forestry nursery /Government Horticulture nursery.

After presentation committee recommends that based on the discussion, PP shall submit point wise reply / commitment / Revised EMP on following issues:

1. Revised surface map showing 20 meters setback (east) as non mining area due to habitation.
2. Mineral evacuation road/transportation road shall be made pucca and commensurate budgetary allocations shall be made in the EMP.
3. Tree sapling “Khirni” shall be replaced by “Katang Bamboo” in the proposed plantation scheme and commitment that plantation shall be carried out through Govt. agency (such as Van Vikas Nigam) / Gram Panchayat / Forest Department / Agricultural department by transferring proportionate funds to them.
4. Khus slips to be planted on the banks of tributary for bank stabilization and check soil erosion.
5. Before onset of monsoon season, 05 saplings per household of fodder / native fruit bearing species (such as Imli, Bel, Kaitha, Bahera, Amla, Nimbu, Kathal, Mango, Katang bamboo, Munaga etc) to be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers in it.
6. Under CER scheme provision to be made for providing solar lights in village school (to demonstrate use of alternate source of electricity) and plantation within school premises by students.
7. Local palatable perennial grass species proposed for grassland development shall be added in the species for grassland development and this activity shall be taken up through Local DFO on degraded land suitable for fodder development or through Gram Panchayat on suitable community land.
8. Dense plantation/ Wood Lot shall be developed (preferably using “Miyawaki Technique”) in 7.5m barrier zone left for plantation.

9. Fodder development in first year and there care till project by agency concerned and accordingly budgetary provisions should be enhanced.

PP vide their letter dated 06.07.2021 submitted query reply. The EIA, 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 'C':

1. Production of Sand as per mine plan with quantity not exceeding 30,000 cum/year.
2. A setback of 20 meters excluding 7.5 meters barrier zone on east side shall be left as non mining area due to habitations.
3. A budgetary provision for Environmental management Plan of Rs. 28.64 Lakh as capital and Rs. 14.00 Lakh/year as recurring has proposed by PP.
4. As proposed, a minimum of 5667 trees/year shall be planted in barrier zone, evacuation road, Gram Panchayat Bhawan etc. as per the submitted plantation scheme.
5. Khus slips shall be planted on the banks of tributary for bank stabilization and check soil erosion.
6. Dense plantation/ Wood Lot shall be developed (preferably using "Miyawaki Technique") in 7.5m barrier zone left for plantation and in the area designated as non mining area.
7. Before onset of monsoon season, 05 saplings per 386 household of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh "ANKUR YOJNA" by registering individual villagers in it.
8. Plantation shall be carried out through Govt. agency (such as Van Vikas Nigam) / Gram Panchayat / Forest Department / Agricultural department by transferring proportionate funds to them.

The case was discussed in 680th SEIAA meeting dtd 03/8/21 and it has been recorded that..

"The case was recommended for EC in 502nd SEAC meeting dated 06/7/21. After detailed discussion and perusal of recommendation of SEAC, it was observed that the

PP & SEAC have not incorporated certain issues raised during public hearing dated 13/3/2021. Apart from the above issues, local need based detailed CER plan and revised plantation programme in consultation with concerning departments and details of a available govt. & other land on the bank of Narmada River shall also be submitted. It was decided that the case be sent to SEAC for re-examination”.

In this meeting the above matter was discussed wherein committee deliberated that at the time of EIA appraisal issue raised in public hearing are discussed and relevant suggestions/recommendations are incorporated in the CER by SEAC and PP is instructed to submit revised proposal. However, in this case committee recommends that as per the decision of SEIAA, PP shall be instructed to submit suitable reply with commensurate budgetary allocations for re-examination.

13. Case No 7808/2020 M/s R.K. Gupta Contractors and Engineers Pvt. Ltd, Authorized Person, Shri Rajendra Kumar Gupta, B-72, Shahpura, Dist. Bhopal, MP - 462039 Prior Environment Clearance for Khodu Bharu Sand Quarry in an area of 9.0 ha. (30,000 cum per annum) (Khasra No. 176, 177, 178, 179, 190, 189), Village - Badgaon-3, Tehsil - Kasrawad, Dist. Khargone (MP)

This is case of Khodu Bharu Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 176, 177, 178, 179, 190, 189), Village - Badgaon-3, Tehsil - Kasrawad, Dist. Khargone (MP) 9.0 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. 2182 dated: 20/07/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 16.0 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 462nd SEAC dated 30/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 23/6/21 which was forwarded through SEIAA vide letter no. 1297 dated 28/6/21.

The EIA was presented by PP and their consultant before the committees in the 504th SEAC meeting dated 23.07.2021. PP stated that it's a Khodu Bharu sand mine with an

area of 9.0 ha., wherein mining will be carried out as per approved mine plan with semi mechanized open-cast method of mining. During mining operations, manual labors will also be deployed. Tarpaulin covered trucks/tippers (PUC certified) will be used for loading and transportation of excavated sand. An area of 7.5m will be left along the lease boundary as barrier zone for the safety purpose wherein plantation is proposed. The quarrying operation will be carried out with developing benches. During appraisal, it was observed that proposed lease is approx. 700 m away from the River Narmada in the northern side and a tributary in also in the existence in the east side at a distance of approx. 55 meters for which PP submitted that 45 meter set back is proposed as non mining area and three row plantation will be carried out. It was also observed by the committee that part of the lease is occupied by trees for which PP submitted that this area will also be left as non mining area. Committee during discussion suggested that the area which is towards small tributary where PP has left 45 meter setback and area occupied by trees, shall be developed as wood log area and native plant species. (“Miyawaki Technique”) shall be planted in consultation with concerned DFO and same shall be executed by any government agency. Committee further suggested that before onset of monsoon season, local fruit bearing tree saplings (such as Bel, Harra, Bahera, Amla, Nimbu, Kathal, Mango etc) shall be distributed in nearby villagers to promote plantation from social forestry nursery /Government Horticulture nursery.

After presentation committee recommends that based on the discussion, PP shall submit point wise reply / commitment / Revised EMP on following issues:

1. Revised surface map showing 45 meters setback (east) as non mining area due to habitation.
2. Mineral evacuation road/transportation road shall be made pucca and commensurate budgetary allocations shall be made in the EMP.
3. Tree sapling “Khirni” shall be replaced by “Katang Bamboo” in the proposed plantation scheme and commitment that plantation shall be carried out through Govt. agency (such as Van Vikas Nigam) / Gram Panchayat / Forest Department / Agricultural department by transferring proportionate funds to them.
4. Khus slips to be planted on the banks of tributary for bank stabilization and check soil erosion.
5. Before onset of monsoon season, 05 saplings per household of fodder / native fruit bearing species (such as Imli, Bel, Kaitha, Bahera, Amla, Nimbu, Kathal, Mango, Katang bamboo, Munaga etc) to be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government

- Horticulture nursery under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers in it.
6. Under CER scheme provision to be made for providing solar lights in village school (to demonstrate use of alternate source of electricity) and plantation within school premises by students.
 7. Local palatable perennial grass species proposed for grassland development shall be added in the species for grassland development and this activity shall be taken up through Local DFO on degraded land suitable for fodder development or through Gram Panchayat on suitable community land.
 8. Dense plantation/ Wood Lot shall be developed (preferably using “Miyawaki Technique”) in 7.5m barrier zone left for plantation.
 9. Fodder development in first year and there care till project by agency concerned and accordingly budgetary provisions should be enhanced.

PP vide their letter dated 06.08.2021 submitted query reply. The EIA, 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 ‘C’:

1. Production of Sand as per mine plan with quantity not exceeding 30,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 12.55 Lakh as capital and Rs. 5.55 Lakh/year as recurring has proposed by PP.
3. As proposed, a minimum of 4,000 trees/year shall be planted in barrier zone, evacuation road, Gram Panchayat Bhawan etc. as per the submitted plantation scheme.
4. Khus slips shall be planted on the banks of tributary for bank stabilization and check soil erosion.
5. Dense plantation/ Wood Lot shall be developed (preferably using “Miyawaki Technique”) in 7.5m barrier zone left for plantation and in the area designated as no mining area.
6. Before onset of monsoon season, 05 saplings per 386 household of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers in it.

7. Plantation shall be carried out through Govt. agency (such as Van Vikas Nigam) / Gram Panchayat / Forest Department / Agricultural department by transferring proportionate funds to them.

The case was discussed in 680th SEIAA meeting dtd 03/8/21 and it has been recorded that..

“The case was recommended for EC in 502nd SEAC meeting dated 06/7/21. After detailed discussion and perusal of recommendation of SEAC, it was observed that the PP & SEAC have not incorporated certain issues raised during public hearing dated 13/3/2021. Apart from the above issues, local need based detailed CER plan and revised plantation programme in consultation with concerning departments and details of a available govt. & other land on the bank of Narmada River shall also be submitted. It was decided that the case be sent to SEAC for re-examination”.

In this meeting the above matter was discussed wherein committee deliberated that at the time of EIA appraisal issue raised in public hearing are discussed and relevant suggestions/recommendations are incorporated in the CER by SEAC and PP is instructed to submit revised proposal. However, in this case committee recommends that as per the decision of SEIAA, PP shall be instructed to submit suitable reply with commensurate budgetary allocations for re-examination.

Discussions based on Query Reply submitted by PP

- 14. Case No 7946/2020 Shri Malkhan Singh S/o Shri Sangram Singh, R/o Gambhir Road, Khedipura, Tehsil - Khirkiya, Dist. Harda, MP - 461441 Prior Environment Clearance for Stone Quarry in an area of 3.0 ha. (22,148 cum per annum) (Khasra No. 509), Village - Choukadi, Tehsil - Khirkiya, Dist. Harda (MP). EIA Consultant: M/s. Aseries Envirotech India Pvt. Ltd. Noida U.P.**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 509), Village - Choukadi, Tehsil - Khirkiya, Dist. Harda (MP) 3.0 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1121 dated: 06/10/2020 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 13.997 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 469th SEAC dated 17/12/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 6/7/21 which was forwarded through SEIAA vide letter no. 1392 dated 12/07/21 and the same was scheduled in the agenda.

PP and their consultant presented the EIA before the committee in the 504th SEAC meeting dated 23.07.2021. During presentation, PP submitted that there are 04 more mines operating or proposed within 500 meters radius around this mine with total area of 13.997 ha. Hence, EIA and public hearing is conducted after obtaining TOR. It was further observed that as per Google image based on coordinates provided by PP that a habitation located at >500 meter distance in the south-west direction of the lease. As per Google image it was also observed by committee that in the QL area agriculture practice were in progress and thus PP was asked to submit soil profile analysis of the lease area. Committee instructed PP that as main issues rose during public hearing such as blasting issue, dust pollution, mine water discharge, improper road etc shall be addressed properly. During appraisal it was also observed by the committee that there are several mistakes in the form-II submitted by PP and are not in line with the details provided in the EIA report. After presentation committee asked PP to submit response on following issues including irrelevant/misleading information provided in From-II, such as:

1. In point no. 07.1 “why complete minutes of public hearing are not uploaded on the web site”, please justify.
2. In point no. 13.1 details are wrongly mentioned, please revise.
3. In point no. 16- When manpower (permanent/temporary) is proposed in point no. 31, then how the waste water volume will be “Zero”.
4. In point no. 17- please provide relevant information for solid waste generation/management.
5. In point no. 35 (9 & 10) – 45,000 million cubic meters OB & top soil mentioned, please justify.
6. Properly address following issues raised during public hearing with plan/proposal:

- Blasting issue with PPV study.
 - Proposal for tree plantation at public places and nearby school.
 - Proposal for fruit/fodder bearing tree saplings (such as Jackfruit, Custard apple, Mango, Guava, Munga, Orange etc) distribution in adjoining villages.
 - Provision of water sprinkling for dust suppression.
 - Provision of Curtain wall for dust suppression.
 - Mine water discharge and poor road conditions.
7. Proposal for plantation in adjoining forest land through concerned DFO forest and commitment that commensurate budget will be transferred to for plantation to DFO.
 8. Patwari's report about the agricultural practices being carried out on this lease area during last 05 years.
 9. Proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to mine workers under CER.
 10. Commitment that plantation shall be carried out through Govt. agency (such as Van Vikas Nigam/Van Samiti under monitoring and guidance of Range officer / Gram Panchayat / Forest Department / Agricultural department by transferring proportionate funds to them.
 11. Commitment that local palatable perennial grass species proposed for grassland development/fodder development shall be added in the species for grassland/fodder development and this activity shall be taken up through Local DFO on degraded land suitable for the purpose or through Gram Panchayat on suitable community land.
 12. Commitment that dense plantation/ Wood Lot shall be developed (preferably using "Miyawaki Technique") in 7.5m barrier zone left for plantation with the concern CCF (R&E Circle Bhopal).
 13. PP's commitment that activities proposed in the CER and plantation scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained.
 14. Proposal for CER activates should be based upon Gram Panchayat Annual Action Plan and commitment made during public hearing.

PP vide their letter dated 06/08/2021 submitted query reply hard copy as well as on Ministry's Parivesh Portal. 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 as per approved mine plan with quantity not exceeding for Stone 22,148 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 12.55 Lakh as capital and Rs. 5.55 Lakh/year as recurring has proposed by PP.
3. As proposed, a minimum of 1200 trees /year shall be planted within three years in barrier zone, evacuation road, and village through local DFO or Gram Panchayat etc. as per the submitted plantation scheme.
4. All plantation in village shall be uploaded on "Vayudoot app" under Govt. of Madhya Pradesh "ANKUR YOJNA" by registering individual villagers .

15. Case No 7945/2020 Shri Dilip Koushal S/o Shri Lekhram Koushal, Ward No. 5, Gomukh Road, Khirkiya, Dist. Harda, MP - 461331 Prior Environment Clearance for Stone Quarry in an area of 1.558 ha. (11,878 cum per annum) (Khasra No. 555/3), Village - Choukadi, Tehsil - Khirkiya, Dist. Harda (MP). EIA Consultant: M/s. Aseries Envirotech India Pvt. Ltd. Noida U.P.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 555/3), Village - Choukadi, Tehsil - Khirkiya, Dist. Harda (MP) 1.558 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. 130 dated: 23/5/2020 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 18.102 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 469th SEAC dated 17/12/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 6/7/21 which was forwarded through SEIAA vide letter no. 1398 dated 12/07/21 and the same was scheduled in the agenda.

PP and their consultant presented the EIA before the committee in the 504th SEAC meeting dated 23.07.2021. During presentation, PP submitted this is a green field project and there are 05 more mines operating or proposed within 500 meters radius around this mine with total area of 18.102 ha., hence EIA and public hearing is conducted after obtaining TOR. PP submitted that mining will be done by opencast semi-mechanized method with control drilling and controlled blasting using sand bags. Top soil will be scrapped & stacked for the subsequent plantation during the mining plan period. OB and waste generated of the total production, and will be used as road building materials. Blasting shall be only be carried out as per the approved mine plan. During appraisal it was also observed by the committee that there are several mistakes in the form-II submitted by PP and are not in line with the details provided in the EIA report. After presentation committee asked PP to submit response on following issues including irrelevant/misleading information provided in From-II, such as:

1. In point no. 07.1 “why complete minutes of public hearing are not uploaded on the web site”, please justify.
2. In point no. 13.1 details are wrongly mentioned, please revise.
3. In point no. 17- please provide relevant information for top soil generation/management.
4. In point no. 35 (9 & 10) – 6900 million cubic meters OB & 0.00 million cubic meters top soil mentioned, please justify.
5. Properly address following issues raised during public hearing with plan/proposal:
 - Proposal for tree plantation at public places and nearby school.
 - Proposal for fruit/fodder bearing tree saplings (such as Jackfruit, Custard apple, Mango, Guava, Munga, Orange etc) distribution in adjoining villages.
 - Provision of water sprinkling for dust suppression.
 - Provision of Curtain wall for dust suppression.
 - Mine water discharge and poor road conditions.
6. Proposal for plantation in adjoining forest land through concerned DFO forest and commitment that commensurate budget will be transferred to for plantation to DFO.
7. Proposal for providing solar cookers / LPG gas cylinders under “Ujjwala Yojna” to mine workers under CER.
8. Commitment that plantation shall be carried out through Govt. agency (such as Van Vikas Nigam/Van Samiti under monitoring and guidance of Range

- officer / Gram Panchayat / Forest Department / Agricultural department by transferring proportionate funds to them.
9. Commitment that local palatable perennial grass species proposed for grassland development/fodder development shall be added in the species for grassland/fodder development and this activity shall be taken up through Local DFO on degraded land suitable for the purpose or through Gram Panchayat on suitable community land.
 10. Commitment that dense plantation/ Wood Lot shall be developed (preferably using “Miyawaki Technique”) in 7.5m barrier zone left for plantation with the concern CCF (R&E Circle Bhopal).
 11. PP’s commitment that activities proposed in the CER and plantation scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained.
 12. Proposal for CER activates should be based upon Gram Panchayat Annual Action Plan and commitment made during public hearing.

PP vide their letter dated 07/08/2021 submitted query reply hard copy as well as on Ministry’s Parivesh Portal. 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 as per approved mine plan with quantity not exceeding for Stone 11,878 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 16.034 Lakh as capital and Rs. 4.66 Lakh/year as recurring has proposed by PP.
3. As proposed, a minimum of 1000 trees /year shall be planted within three years in barrier zone, evacuation road, and village through local DFO or Gram Panchayat etc. as per the submitted plantation scheme.
4. All plantation in village shall be uploaded on “Vayudoot app” under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers .

16. Case No 7944/2020 Shri Dilip Koushal S/o Shri Lekhram Koushal, Ward No. 5, Gomukh Road, Khirkiya, Dist. Harda Prior Environment Clearance for Stone Quarry in an area of 1.547 ha. (11,878 cum per annum) (Khasra No. 555/1), Village - Choukadi, Tehsil - Khirkiya, Dist. Harda (MP). EIA Consultant: M/s. Aseries Envirotech India Pvt. Ltd. Noida U.P.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 555/1), Village - Choukadi, Tehsil - Khirkiya, Dist. Harda (MP) 1.547 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. 129 dated: 23/5/2020 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 18.097 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 469th SEAC dated 17/12/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 06/7/21 which was forwarded through SEIAA vide letter no. 1400 dated 12/07/21 and the same was scheduled in the agenda.

PP and their consultant presented the EIA before the committee in the 504th SEAC meeting dated 23.07.2021. During presentation, PP submitted this is a green field project and there are 05 more mines operating or proposed within 500 meters radius around this mine with total area of 18.097 ha. hence, EIA and public hearing is conducted after obtaining TOR. PP submitted that mining will be done by opencast semi-mechanized method with control drilling and controlled blasting using sand bags. Top soil will be scrapped & stacked for the subsequent plantation during the mining plan period. OB and waste generated of the total production, and will be used as road building materials. Blasting shall be only be carried out as per the approved mine plan. During appraisal it was also observed by the committee that there are several mistakes in the form-II submitted by PP and are not in line with the details provided in the EIA report. After presentation committee asked PP to submit response on following issues including irrelevant/misleading information provided in From-II, such as:

1. In point no. 07.1 “why complete minutes of public hearing are not uploaded on the web site”, please justify.
2. In point no. 13.1 details are wrongly mentioned, please revise.
3. In point no. 17- please provide relevant information for top soil generation/management.
4. In point no. 35 (9 & 10) – 9348 million cubic meters OB & 1380 top soil mentioned, please justify.

5. Properly address following issues raised during public hearing with plan/proposal:
 - Tree plantation at public places and in school premises with adequate protection measures.
 - Proposal for fruit/fodder bearing tree saplings (such as Jackfruit, Custard apple, Mango, Guava, Munga, Orange etc) distribution in adjoining villages.
 - Provision of water sprinkling for dust suppression.
 - Provision of Curtain wall for dust suppression.
 - Mine water discharge and poor road conditions.
6. Proposal for plantation in adjoining forest land through concerned DFO forest and commitment that commensurate budget will be transferred to for plantation to DFO.
7. Proposal for providing solar cookers / LPG gas cylinders under “Ujjwala Yojna” to mine workers under CER.
8. Commitment that plantation shall be carried out through Govt. agency (such as Van Vikas Nigam/Van Samiti under monitoring and guidance of Range officer / Gram Panchayat / Forest Department / Agricultural department by transferring proportionate funds to them.
9. Commitment that local palatable perennial grass species proposed for grassland development/fodder development shall be added in the species for grassland/fodder development and this activity shall be taken up through Local DFO on degraded land suitable for the purpose or through Gram Panchayat on suitable community land.
10. Commitment that dense plantation/ Wood Lot shall be developed (preferably using “Miyawaki Technique”) in 7.5m barrier zone left for plantation with the concern CCF (R&E Circle Bhopal).
11. PP’s commitment that activities proposed in the CER and plantation scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained.
12. Proposal for CER activates should be based upon Gram Panchayat Annual Action Plan and commitment made during public hearing.

PP vide their letter dated 07/08/2021 submitted query reply hard copy as well as on Ministry's Parivesh Portal. 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 as per approved mine plan with quantity not exceeding for Stone 11,878 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 16.075 Lakh as capital and Rs. 4.70 Lakh/year as recurring has proposed by PP.
3. As proposed, a minimum of 1066 trees /year shall be planted within three years in barrier zone, evacuation road, and village through local DFO or Gram Panchayat etc. as per the submitted plantation scheme.
4. All plantation in village shall be uploaded on "Vayudoot app" under Govt. of Madhya Pradesh "ANKUR YOJNA" by registering individual villagers .

17. Case No 8060/2021 M/s Jaideep Ispat & Alloys Pvt. Ltd, 103, Laxmi Tower, 1st floor, 576, M.G. Road, Dist. Indore, MP Prior Environment Clearance for Expansion in Production Capacity and Addition of Product from 4,75,000 TPA Ingots/Billets to 7,50,000 TPA Billets, Blooms & Molten Metal and Expansion of Existing Rolling Mill from 4,75,000 TPA TMT Bars to 7,25,000 TMT Bars, Wire Rod, Binding Wire, Pipes, Strips, Structures (Angles, Channels, Guarders) & all types of MS Rolled products - 725000 at Plot No. 808A, 808B, 808C, 808D, 808E, 808F in Notified Industrial Area, Pithampur, Dist. Dhar (MP). Category: 3(a) EIA Consultant: M/s. Creative Enviro Services , Bhopal .

This is case of Prior Environment Clearance for Expansion in Production Capacity and Addition of Product from 475000 TPA Ingots/Billets to 750000 TPA Billets, Blooms & Molten Metal and Expansion of Existing Rolling Mill from 475000 TPA TMT Bars to 725000 TMT Bars, Wire Rod, Binding Wire, Pipes, Strips, Structures (Angles, Channels, Guarders) & all types of MS Rolled products - 725000 at Plot No. 808A, 808B, 808C, 808D, 808E, 808F in Notified Industrial Area, Pithampur, Dist. Dhar (MP). Category: 3(a).

Earlier this case was scheduled for presentation and discussion in 475th SEAC dated 28/01/2021 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 26/6/21 which was forwarded through SEIAA vide letter no. 1404 dated 12/07/21 and the same was scheduled in the agenda.

PP and their consultant presented the EIA before the committee. During presentation PP submitted that proposal is for expansion of existing Rolling Mills. PP submitted that by the order dtd. 15/06/2017 of the NATIONAL COMPANY LAW TRIBUNAL AHMEDABAD BENCH M/s Rathi Iron & Steel Industries Ltd. & other units are amalgamated with M/s Jaideep Ispat & Alloys Pvt. Ltd. (JIAPL). M/s JIAPL having the following units, which are having EC in adjoin plots in the Pithampur Industrial area.

S.No.	Name of Unit	Location	Capacity	EC/Consent
1	M/s Jaideep Ispat & Alloys Pvt. Ltd. (Unit -2)	Plot No. 808E, I/A Pithampur Dist Dhar	225000 TPA 250000 TPA	EC Obtained and CTE Obtained.
2	Rathi Iron & Steel Industries Ltd.	Address - plot No. 808A, 808B & 808C Sector-3, Industrial area Pithampur	250000 TPA 225000 TPA	EC Obtained and CTE Obtained.

In view of the Amalgamation order from NCLT, both the above ECs are amalgamated, and an amalgamated EC has been issued by MP SEIAA vide letter No. 382/SEIAA/2019 dated 25/04/2019 in name of M/s Jaideep Ispat & Alloys Pvt. Ltd. (Unit -2) for the following products and capacities:

S. No.	Name of Unit	Location	Products	Capacity
1	M/s Jaideep Ispat & Alloys Pvt. Ltd. (Unit -2)	Plot No. 808A, 808B, 808C, & 808E, I/A Pithampur Dist Dhar	Ingots / Billets TMT Bars	475000 TPA 475000 TPA

In view of increasing market demand and existing infrastructure M/s JIAPL is proposed to enhance the production capacity of their industrial complex, details of capacities are as follows:

S. No.	Name of Unit	Location	Products / Capacity	
			Exiting	Proposed
1	M/s Jaideep Ispat & Alloys Pvt. Ltd.	Plot No. 808A, 808B, 808C, & 808D, 808E, & 808F I/A Pithampur Dist Dhar	Ingots / Billets- 475000 TPA TMT Bars – 475000 TPA	Billets, Blooms & Molten Metal (semi finished products) - 750000 TPA TMT Bars, Wire Rod, Binding Wire, Pipes, Strips, Structures (Angles, Channels, guarders) & all type of MS Rolled products – 725000

During presentation, it was observed by the committee that another unit M/s Bharti Ingots Pvt. Ltd., Pithampur is shown as part of this project for which PP submitted that this unit is also a part of this project and was amalgamated in this project. PP further submitted that this unit is closed since long and being the production was <30,000 MT/Annum, hence EC was not obtained. Committee after deliberations asked PP to

submit relevant documentary evidences of its amalgamation and latest copy of CTE/CTO obtained from MP Pollution Control Board with justification why EC is not required. PP submitted that it being the case of expansion, they have obtained the compliance of earlier EC conditions issued by competent authority i.e. Regional Office, MoEF&CC vide letter no. 240 dated 24.03.2021 wherein the compliance is satisfactory and no NC is reported.

During presentation, PP stated that the capacity expansion will be achieved by installing one more 30 MT induction furnace. However, committee pointed out that as per details provided in PFR, 04 Induction furnaces of 30 tonnes each and 04 Induction furnaces of 04 tonnes each are in existence while in form-II it is mentioned that 03 induction furnaces (one 30 tonne and two eight tonne) are in existence and one additional induction furnace of 30 tonnes is proposed for expansion thus PP was asked to submit clarify the existing and proposed configuration. PP also presented details about activities undertaken by the PP under CER. After presentation committee asked PP to submit response on following issues:

1. In point no. 06 of form-II “copy of previous EC letter is not attached”.
2. In point no. 09 (i) “IF configuration is not matching with PFR.
3. In point no. 22 of form-III and requirement details shall be provided for entire land area i.e. 17.80 ha.
4. Comprehensive air pollution mitigation plan as the maximum value of PM10 including incremental prediction is projected as 91.9 microgram per meter cube.
5. Amalgamation status of M/s Bharti Ingots Pvt. Ltd., Pithampur and latest copy of CTE/CTO obtained from MP Pollution Control Board with justification why EC was not obtained.
6. Copy of all valid CTO issued by MP Pollution Control Board.
7. Methods of slag characterization shall be provided.
8. On site laboratory facilities along with list of available equipments should be provided.
9. Fire safety plan with copy of fire NOC. (if obtained)
10. Comprehensive traffic circulation plan for the trucks bringing raw material and taking out the finished products with details of facilities provided for their parking and comfort of trucks staff.
11. How additional water requirement of 315 KLD will be fulfilled.
12. How 50 KLD treated waste water will be reused during monsoon period.

13. Revised plantation scheme as suggested by committee during presentation.
14. Commitment and proposal shall be submitted that :
 - a. All internal roads will be made pucca with commensurate budgetary allocations in proposed EMP.
 - b. Online emission monitoring system in all stacks with proposal for PTZ cameras and connectivity at MP Pollution Control Board.
 - c. Slag after iron recovery will be used for road construction.
 - d. Activities such as solar panels in school, awareness for oral hygiene in nearby villages & schools, works related to plantation, vaccination, cattle's health checkup etc. in nearby Cowshed , plantation (distribution of fruit bearing trees) in Gram Panchayat/ village area will be undertaken under CER scheme.
15. Plantation activity in village area shall be carried out under Govt. of Madhya Pradesh "ANKUR YOJNA" by registering individual villagers on "Vayudoot app".
16. Develop green area by planting medicinal plants by Kalmegh, Ashwagandha, Tusli etc.

PP vide their letter dated 06/08/2021 submitted query reply hard copy as well as on Ministry's Parivesh Portal. The query reply was presented before the committee by consultant Mr. Mukesh Kaore, M/s Creative Enviro, Bhopal which were found satisfactory and acceptable and other details of the projects which were found satisfactory and acceptable hence the case was recommended for grant of prior EC for Expansion in Production Capacity and Addition of Product from 4,75,000 TPA Ingots/Billets to 7,50,000 TPA Billets, Blooms & Molten Metal and Expansion of Existing Rolling Mill from 4,75,000 TPA TMT Bars to 7,25,000 TMT Bars, Wire Rod, Binding Wire, Pipes, Strips, Structures (Angles, Channels, Guarders) & all types of MS Rolled products - 725000 at Plot No. 808A, 808B, 808C, 808D, 808E, 808F in Notified Industrial Area, Pithampur, Dist. Dhar (MP).Category: 3(a) Metallurgical Industries (Ferrous & Non-Ferrous) with subject to the following subject to the following Project specific & general conditions:

A. Statutory compliance:

- I. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.

- II. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water/from the competent authority concerned in case of drawl of surface water required for the project.
- III. The project proponent shall obtain consent/authorization from MP Pollution Control Board.

B. Air quality monitoring and preservation

- I. 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 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015(Thermal Power Plants) as amended from time to time) and connected to SPCB 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.
- II. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories
- III. The project proponent shall install one system to carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released e.g. PM10 and PM2.5 in reference to PM emission and SO₂ and NO_x in reference to SO₂ and NO_x emissions). Similarly, within and outside the plant area manual monitoring at least at three locations one within and two outside the plant area at an angle of 120° each), covering upwind and downwind directions shall be monitored.
- IV. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six monthly monitoring report.

- V. Appropriate Air Pollution Control (APC) system such as Bag filters (reverse pulse jet cleaning) shall be provided for all the dust generating points including fugitive dust from all vulnerable sources with secondary fume extraction system.
- VI. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- VII. Sufficient number of mobile or stationery vacuum cleaners and mechanical dust sweeping machines shall be provided to clean plant roads, shop floors, roofs, regularly. All the internal roads shall be made pucca.
- VIII. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.
- IX. The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- X. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, etc.
- XI. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- XII. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, oil, cellars.

C. Water quality monitoring and preservation

- I. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- II. The project proponent shall submit monthly summary report of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- III. Adhere to 'Zero Liquid Discharge'.
- IV. Sewage Treatment Plant (70KLD) shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- V. The treated water from STP shall be used for gardening and spraying of roads.

- VI. The project proponent shall practice rainwater harvesting to maximum possible extent, rain water therefore can be conserved within the plant.

D. Noise monitoring and prevention

- I. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- II. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

E. Energy Conservation measures

- I. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
- II. Practice hot charging of slabs and billets/blooms as far as possible.
- III. Ensure installation of regenerative type burners on all reheating furnaces.
- IV. Provide solar power generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- V. For this project Electrical Power 15,000 KVA shall be meet by Madhya Pradesh Electricity Board (MPEB) Indore .
- VI. Provide the project proponent for LED lights in their offices and residential areas.
- VII. 03 DG Set (500KVA- 01 no. & 600 KVA- 02 nos.) are proposed for this project. So, acoustic canopy shall be installed.

F. Waste management

- I. Proposed quantity of Furnace Slag & from Rolling Mill produced during process which shall be managed through installed iron recovery unit from slag

and the recovered iron is being used with scrap to charge in induction furnace. The remaining part is being used for civil work & bricks manufacturing after TCLD test and approval from the MP Pollution Control Board.

Waste	Total
Iron Slag	785TPA
Mill scale from Rolling Mill	225 TPA

- II. The waste/spent oil & other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016 and as per conditions stipulated by M. P. Pollution Control Board .
- III. Used refractories shall be recycled as far as possible.
- IV. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces.

G. Green Belt

- I. Green belt shall be developed in the 33% area (60,000 SQM) (wherein 5000 plants) area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant with minimum three row plantation towards the road and village side. Medicinal plants shall also be grown in the landscape garden.
- II. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.

H. Public hearing and Human health issues

- I. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- II. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

- III. Provision shall be made for the housing of construction labor 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.
- IV. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

I. EMP& Corporate Environment Responsibility

- I. In the proposed EMP, Rs. 637.50 Lakh as capital cost for the project and Rs. 58.00 Lakh /year has proposed as recurring expenses.
- II. Under CER Programme following activities have been proposed and these activities shall be implemented within time frame as committed by PP -
 - Saplings of native fruit bearing species (such as Imli, Bel, Kaitha, Bahera, Amla, Nimbu, Kathal, Mango, Katang bamboo, Munaga etc) shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers on “Vayudoot app” .
 - Veterinary camps for livestock in the nearby villages.
 - Oral hygiene awareness/ camps in the nearby villages.
- III. 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.
- IV. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and or shareholders /stake holders. The copy of the board

- resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- V. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
 - VI. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.
 - VII. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
 - VIII. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

J. Miscellaneous

- I. For Fire Protection System, fire water pumps of 5 H.P. Capacity shall be provided by PP.
- II. AC motor driven fire water pumps for hydrant, medium velocity water spray system and foam system and Jackey pump 1 no. (AC motor driven) for maintaining pressure shall be provided.
- III. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- IV. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.
- V. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

- VI. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- VII. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- VIII. The 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.

18. Case No 8554/2021 M/s Oil and Natural Gas Corporation Ltd, Shri Rajesh Sharma, Chief General Manager, I/C HSE, Frontier Basins, ONGC, Ganga Building, IDT Campus, Kaulagarh Road, Dist. Dehradun, Uttarakhand Prior Environment Clearance for Exploratory Drilling (5 wells) in NELP-VIII Block, VN-ONN/2009/3, Dist. Damoh (MP)

This is case of Prior Environment Clearance for Exploratory Drilling (5 wells) in NELP-VIII Block, VN-ONN/209/3, Dist. Damoh (MP). The project requires prior EC before commencement of any activity at site.

The case was scheduled in 501st meeting dated 29/06/2021 and 502nd SEAC meeting dated 06/07/21 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. However, PP vide e-mail dated 5/7/2021 has requested that due to some unavoidable circumstances, they are not able to attend this meeting hence requested to re-schedule their case in upcoming SEAC meetings.

The case was presented by the PP wherein following details were submitted that ONGC is a public sector company engaged in exploration and production of hydrocarbons in the country. In order to meet the increasing demand of petroleum products, ONGC has proposed to drill 5 exploratory wells of depths 2300-3500m in NELP Block VN-ONN-

2009/3 in District Damoh, Madhya Pradesh. NELP Block VN-ONN-2009/3 was awarded for hydrocarbon exploration cycle of 7 years to ONGC with 100% PI under NELP-VIII with an area of 1250 Km² confined within district Damoh in Madhya Pradesh (MP). The total exploration cycle was divided into two phases, an Initial Exploration Period (Phase-I) of 4 years and Subsequent Exploration Period (Phase-II) of 3 years respectively. Based on the exploratory lead obtained from drilling and prospectively evaluation, ONGC entered into Subsequent Exploration Phase (Phase-II: 12.04.2016 – 11.10.2018), retaining an area of 462 Sq. Km. The exploratory drilling carried in Phase-II of the block led to a major gas discovery in well Hatta#2 which was notified to DGH and an appraisal period of 3 years was granted to ONGC w.e.f 31.12.2018. Further, in the wake of Covid-19 pandemic which hampered the exploratory activities in the block, moratorium and extension of validity of the block up to 06.12.2022 has been granted by DGH.

Exploratory drilling is to be carried out to further explore, appraise and monetize the hydrocarbons as indicated by analysis of seismic data and other wells drilled in the vicinity. It is a temporary and short duration activity comprising of site preparation, well foundation, rig building, drilling and restoration of the well site taking about 6-8 months.

Electrical Drilling rig is used to drill the well and involves rotation of drill bit, attached to a long string of a drill pipes down the well. Drilling mud is pumped through the drill string and through the drill bit which returns up the annulus between the drill string and well bore. The drill mud removes cuttings from the well, controls formation pressures, seals permeable formations, maintains well bore stability, cool and lubricate the bit. The drill cuttings are separated from the drilling mud and the fluid is re-circulated.

If presence of hydrocarbons is detected during drilling, production testing is conducted to ascertain the reserves and economic viability.

The land requirements are approximately 130m × 130m for each well and the land use pattern will not be affected as this is a short duration and temporary activity. Water requirement for drilling operations and potable use will be met through transportation of water by tankers through contractors. Approximately 300m³ of spent drilling mud is generated at the well; drilling mud is re-used as much as possible. About 6-8m³ /day of waste water is generated which is collected in lined pits and is treated by a mobile ETP. Treated water is re-used for various operations of the drilling rig. The rig is equipped with solid handling equipment and the solids are separated from the drilling mud. At the end of the operations the residual unusable drilling mud is collected in the lined waste pits, solar evaporated and the solids retained at the bottom of the pit will be disposed off in lined pits. Domestic sewage will be treated in a septic tank followed by a soak pit.

Solid waste generation is limited to spent drill bits, packaging waste and used containers, drill cuttings waste oil and any contaminated soil during rig operations and movement.

The only hazardous waste generated is spent lube oil, which will be collected stored and disposed as per MOEFCC guidelines and Hazardous Waste rules. All DG sets are provided with in-built air filters and covered with acoustic enclosures and with adequate stack heights. Dry and dusty chemicals will be stored in bags. The site premises will be frequently sprinkled with water to contain dust. Emission standards as per CPCB and SPCB will be complied. Noise levels will be limited to 85 dB(A) beyond drill site premises. PPE will be provided to all personnel and their usage ensured. The ecological studies are carried out during the study period and proper care will be taken to protect the rich and diverse flora and fauna of the area with special emphasis on endangered and localized animals.

The proposed exploratory drilling activities will generate indirect employment during site preparation and drilling activities, improve transport facilities as roads will be strengthened for movement of rig equipment and personnel. In case hydrocarbon reserves are found, it will lead to all-round prosperity of the area. The project cost is approximately Rs.300 crores. During presentation PP also exhibits various documents such as PFR, Layout plan, EMP, DFO certificate and Risk Assessment etc. PP further submitted that w.r.t. MoEF&CC Notification S.O. 236 (E) , dated 16.01.2021 all project in respect of off-shore and onshore oil and gas exploration are categorized as ‘B2’ projects” hence application is made for B2 appraisal and same is accepted by SEIAA. The following measures are proposed in EMP for this project:

- Mitigation measures required addressing environmental concerns such as debris disposal and conservation of all natural drainage and water flow will be taken care of.
- Assess infrastructures for treatment of waste water, drill cuttings, drilling waste mud, sewage, solid/hazardous waste.
- A detailed plan covering environmental variables to be monitored, the location and timing of sampling and the use to be made of monitoring data to ensure compliance with the applicable environmental rules/regulations throughout the life of the project exists
- Abandonment of wells, rig dismantling and site completion and reclamation after abandonment
- Only hazardous waste generated is spent/burnt oil which is kept in drums and sent to our store at Madhopur (Punjab) from where it is disposed to authorized recyclers through MSTC (Metal Scrap Trade Corporation Limited).

- ONGC is using Water Base Mud for drilling which is non hazardous, and non toxic ingredients are used in formulation of mud.
- We are collecting thoroughly washed cuttings, waste water and waste mud in adequately designed HDPE lined waste pits.
- On completion of drilling activities the pit is dried by evaporation and covered by native soil.
- Wastewater generated on drilling rigs will be treated by mobile ETP situated at the Rig, and treated water is reused.
- Mobile Skid mounted ETP is having treatment capacity of 30 cum per day. Alum and Lime are used for treating effluent water.
- Barite in drilling fluids will contain Mercury < 1 mg/ kg and Cadmium < 3 mg/kg. A certificate to this effect is being obtained from supplier. Most Chemicals are Biodegradable.

After detail discussion and deliberation, committee asked PP to submit the following information/clarification for further consideration of the project:

1. Why exact location of proposed drillings/wells is not furnished with the application.
2. A commitment that the water of the river passing through the proposed project area will not be affected.
3. What procedure will be adopted for temporary land acquisition?
4. How 20-25 KLD fresh water requirement will be meet.
5. Drill cuttings are proposed to be disposed off in lined pits of impervious lines thus drawing, design and specification of pits & lines shall be furnished. (As presented, Barite in drilling fluids contains Mercury <1 mg/ kg and Cadmium < 3 mg/kg).
6. Explore the possibility of disposing drill cuttings through centralize facility as proposed for disposal of used/waste oil.
7. What is the post closure monitoring protocol of Drill cuttings lined pits after handing over the area to its original occupants?
8. Drawing & design of drilling waste water and DC wash pits shall be furnished.
9. Volume of drill mud to be refilled in the wells and management plan for left over drill mud.
10. How zero discharge will be maintained and is it possible to reuse 06 KLD treated waste water for mud preparation to reduce fresh water demands.
11. Reclamation plan of the site after drilling operations with time schedule.

12. Worst case of scenario w.r.t. to hydrocarbon escaping during exploration and their mitigation plan.
13. Commitment that fresh water requirement for the operation will not be through ground water sources.
14. PP's commitment that following activities shall be proposed in the CER Programme:
 - Saplings of native fruit bearing species (such as Imli, Bel, Kaitha, Bahera, Amla, Nimbu, Kathal, Mango, Katang bamboo, Munaga etc) shall be distributed in nearby villagers to promote plantation Providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to mine workers under CER.
 - Veterinary camps for livestock in the nearby villages.
 - Oral hygiene awareness/ camps in the nearby villages.

PP vide their letter dated 10/08/2021 submitted query reply on Ministry's Parivesh Portal. The query reply was presented by the PP Mr. Amit Kumar Saxena, ONGC and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Exploratory Drilling (5 wells) in NELP-VIII Block, VN-ONN/209/3, Dist. Damoh (MP) Category: 1(b) Offshore and Onshore and gas exploration, development & production Project, with following standard conditions:

Statutory compliance:

- I. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project. (If applicable)
- II. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable. (If applicable)
- III. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area) .
- IV. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention &

Control of Pollution) Act, 1974 from the concerned State pollution Control Board/Committee.

- V. Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.

Air quality monitoring and preservation:

- I. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with
- II. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines
- III. The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- IV. Ambient air quality shall be monitored at the nearest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 for PM₁₀, PM_{2.5}, SO₂, NO_x, CO, CH₄, HC, Non-methane HC etc
- V. During exploration, production, storage and handling, the fugitive emission of methane, if any, shall be monitored using Infra-red camera/ appropriate technology.
- VI. The project proponent also to ensure trapping/storing of the CO₂ generated, if any, during the process and handling.
- VII. Approach road shall be made pucca to minimize generation of suspended dust.

Water quality monitoring and preservation:

- I. As proposed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged to any surface water body, sea and/or on land. Domestic sewage shall be disposed off through septic tank/soak pit.

- II. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
- III. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
- IV. The company shall construct the garland drain all around the drilling site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards.
- V. Drill cuttings separated from drilling fluid shall be adequately washed and disposed in HDPE lined pit. Waste mud shall be tested for hazardous contaminants and disposed according to HWMH Rules, 2016. No effluent/drilling mud/drill cutting shall be discharged/disposed off into nearby surface water bodies. The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30th August, 2005.
- VI. ONGC in the process of having a mobile ETP coupled with R.O. on contract basis. The treated 06 KL water used for preparation of mud and water shall be re-cycled and re-used and any excess volume of water left in the waste pits shall be solar evaporated.

Noise monitoring and prevention:

- I. The company shall make all arrangements for control of noise from the drilling activity. Acoustic enclosure shall be provided for the DG sets along with the adequate stack height as per CPCB guidelines.
- II. 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.
- III. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

Energy Conservation measures:

- I. The energy sources for lighting purposes shall preferably be LED based

Waste management:

- I. Barite waste containing mercury and cadmium shall be analyzed for its hazardous constituents and if exceeds the permissible limits, shall be disposed off in CTSDf or as decided by M. P. Pollution Control Board.
- II. Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage/ contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of to the authorized recyclers.
- III. Oil content in the drill cuttings shall be monitored by some Authorized agency and report shall be sent to the Regional Office of MoEF&CC, Govt. of India as a part of six monthly compliance reports.
- IV. Spent / burnt oil generated is only 500-600 litres per month which is collected in barrels and sent to ONGC's stores of Madhopur, District Gurdaspur, Punjab regularly for disposal to authorized re-cyclers through Metal and Scrap Trading Corporation.

Safety and Human health issues:

- I. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- II. Blow-Out Preventer system shall be installed to prevent well blow outs during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.
- III. Company shall prepare operating manual in respect of all activities, which would cover all safety & environment related issues and measures to be taken for protection. One set of environmental manual shall be made available at the drilling site/ project site. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office. Remote monitoring of site should be done.
- IV. On completion of drilling, the company has to plug the drilled wells safely and obtain certificate from environment safety angle from the concerned authority.
- V. The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored the area in original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations
- VI. The Company shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. Possibility of using ground flare shall be explored. At the place of ground flaring, the overhead flaring stack with knockout drums shall be installed to minimize gaseous emissions during operation

- VII. 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.
- VIII. The company shall develop a contingency plan for H₂S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H₂S detectors in locations of high risk of exposure along with self-containing breathing apparatus
- IX. 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.
- X. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- XI. The Company shall carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected shall be submitted to the Regional Office of MoEF&CC, Govt. of India as a part of six monthly compliance.

EMP& CER

- I. A budgetary provision of Rs. 1.30 crores is made for Environmental Management Plan as capital cost and Rs 0.50 crores as recurring cost.
- II. PP has proposed following physical targets based on public hearing under Corporate Environment Responsibility (CER).
 - Saplings of native fruit bearing species (such as Imli, Bel, Kaitha, Bahera, Amla, Nimbu, Kathal, Mango, Katang bamboo, Munaga etc) shall be distributed in nearby villagers to promote plantation Providing solar cookers / LPG gas cylinders under “Ujjwala Yojna” to mine workers under CER.
 - Veterinary camps for livestock in the nearby villages.
 - Oral hygiene awareness/ camps in the nearby villages.
- III. The project proponent shall comply with the provisions contained in this Ministry’s OM vide F.No. 22-65/2017-1 A.III dated 1s May 2018, as applicable, regarding Corporate Environment Responsibility.
- IV. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms /

conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

- V. A separate Environmental Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization,
- VI. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the MoEF&CC, Govt. of India along with the Six-Monthly Compliance Report.
- VII. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

Miscellaneous

- I. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- II. The project proponent shall inform Regional Office as well as MoEF&CC, Govt. of India the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- III. Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Regional Office of MoEF&CC, Govt. of India.
- IV. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- V. The project proponent shall abide by all the commitments and recommendations made in the PFR report and also that during their presentation to the State Level Expert Appraisal Committee.
- VI. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- VII. The MoEF&CC reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

- VIII. The Regional Office of the MoEF&CC, Govt. of India shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- IX. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

(A. A. Mishra)
Member Secretary

(Dr. Praveen Chandra Dubey)
Chairman

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

Annexure- 'A'

Standard conditions applicable to Stone/Murram and Soil quarries:

1. Mining should be carried out as per the submitted land use plan and approved mine plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and fenced from all around the site. Necessary safety signage & caution boards shall be displayed at mine site.

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

19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
24. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
25. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora , fauna etc. Moreover, a separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
26. The project proponent shall follow the mitigation measures provided in MoEF&CCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
27. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
28. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
29. A display board with following details of the project is mandatory at the entry to the mine.
 - a. Lease owner's Name, Contact details etc.
 - b. Mining Lease area of the project (in ha.)
 - c. Production capacity of the project.
30. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.

31. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. Plantation in adjoining forest land shall be carried out through concerned DFO and commensurate budget shall be transferred for plantation to DFO.
32. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
33. Every year, before onset of monsoon season, minimum 25 saplings of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers on “Vayudoot app”.
34. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

Annexure- ‘B’

Standard conditions applicable for the Sand Mine Quarries*

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Only registered vehicles/tractor trolleys with GPS which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.

8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4th or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
17. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights. All these facilities such as rest shelters, site office etc. Shall be removed from site after the expiry of the lease period.
18. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020 and these details should be provided in Annual Environmental Statement.
19. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
24. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or

- technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
25. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
 26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
 27. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
 28. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
 29. A display board with following details of the project is mandatory at the entry to the mine.
 - a. Lease owner's Name, Contact details etc.
 - b. Mining Lease area of the project (in ha.)
 - c. Production capacity of the project.
 30. Following conditions must be implemented by PP in case of sand mining as per NGT (CZ) order dated 19/10/2020 in OA NO. 66/2020 and SEIAA's instruction vide letter No. 5084 dated 09/12/2020.
 - i. The Licensee must use minimum number of poclains and it should not be more than two in the project site.
 - ii. The District Administration should assess the site for Environmental impact at the end of first year to permit the continuation of the operation.
 - iii. The ultimate working depth shall be 01 m from the present natural river bed level and the thickness of the sand available shall be more than 03 m the proposed quarry site.
 - iv. The sand quarrying shall not be carried out blow the ground water table under any circumstances. In case, the ground water table occurs within the permitted depth at 01 meter, quarrying operation shall be stopped immediately.
 - v. The sand mining should not disturb in any way the turbidity, velocity and flow pattern of the river water.
 - vi. The mining activity shall be monitored by the Taluk level Force once in a month by conducting physical verification.
 - vii. After closure of the mining, the licensee shall immediately remove all the sheds put up in the quarry and all the equipments used for operation of sand quarry. The roads/pathways shall be leveled to let the river resume its normal course without any artificial obstruction to the extent possible.
 - viii. The mined out pits to be backfilled where warranted and area should be suitable landscaped to prevent environmental degradation.
 - ix. PP shall adhere to the norms regarding extent and depth of quarry as per approved mining plan. The boundary of the quarry shall be properly demarcated by PP.
 31. Species such as Khus Slips and Nagar Motha shall be planted on the river banks for bank stabilization and to check soil erosion while on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat

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

Annexure- ‘C’

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

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. The mining shall be carried out strictly as per the approved mining plan.
4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.
5. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
7. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
8. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
9. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
10. No Mining shall be carried out during Monsoon season.

11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
12. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
15. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
16. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
24. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".

25. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
26. A display board with following details of the project is mandatory at the entry to the mine.
 - a. Lease owner's Name, Contact details etc.
 - b. Mining Lease area of the project (in ha.)
 - c. Production capacity of the project.
27. Species such as Khus Slips and Nagar Motha shall be planted on the nearby river banks for bank stabilization and to check soil erosion while dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
28. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. Plantation in adjoining forest land shall be carried out through concerned DFO and commensurate budget shall be transferred for plantation to DFO.
29. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
30. Every year, before onset of monsoon season, minimum 25 saplings of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh "ANKUR YOJNA" by registering individual villagers on "Vayudoot app".
31. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

Annexure- 'D'

General conditions applicable for the granting of TOR

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
3. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.

6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
12. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
13. Grant of TOR does not mean grant of EC.
14. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
19. The EIA report should clearly mention activity wise EMP and CER cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.

25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analyzed.
26. A separate budget in EMP & CER shall be maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
28. The project proponent shall provide the mitigation measures as per MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.
29. LPG gas shall be provided for camping labour under "Ujjwala Yojna .
30. In the project where ground water is proposed as water source, the project proponent shall apply to the competent authority such as Central Ground Water Authority (CGWA) as the case may be for obtaining, No Objection Certificate (NOC).
31. Consideration of mining proposals involving violation of the EIA Notification, 2006, the project proponent shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court of India dated 02/08/2017 in WP © No. 114 of 2014 in the matter of Common Cause V/s Union of India & others before grant of TOR/EC. The under taking interalia includes commitment of the PP not to repeat any such violation in future as per MoEF&CC OM No. F.NO. 3-50/2017-IA.III (Pt.) dated 30/05/2018.
32. The mining project proponents involving violations of the EIA Notification, 2006 under the provisions of S.O. 804 (E) dated 14/03/2017 and subsequent amendments for TOR/EC shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors. Before grant of TOR/EC the undertaking inter-alia include commitment of the PP not to repeat any such violation of future. In case of violation of above undertaking, the TOR/Environmental Clearance shall be liable to be terminated forthwith.
33. Under CER scheme commitments with physical targets shall be included in EIA report for:
 - ✓ Proposal for CER activities based upon commitment made during public hearing and COVID-19 pandemic.
 - ✓ Activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup etc. in concerned village shall be proposed.
 - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to them who are residing in the nearby villages, shall be considered.
 - ✓ PP's commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained shall be submitted with EIA report.

34. Under Plantation Scheme commitments with budgetary allocations shall be included in EIA report for :
- ✓ Comprehensive green belt plan with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Proposal for distribution of fruit bearing species for nearby villagers shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.
 - ✓ Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
 - ✓ Commitment that high density plantation (preferably using “Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation by CCF, Social Forestry Circle, Gwalior or any other competent agencies.
 - ✓ Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
 - ✓ Proposal for plantation in adjoining forest land through concerned DFO.

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

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