

The 535<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 16<sup>th</sup> December, 2021 under the Chairmanship of Dr. Praveen Chandra Dubey for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing –

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

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

1. **Case No 7545/2020 M/s Satguru Cements Private Limited, 601/1, Airen Heights, Scheme No. 54, PU - 3, Oppo. C - 21 Mall, AB Road, Indore, MP Prior Environment Clearance for Limestone Deposit in an area of 42.852 ha. (4,30,274 tonne per annum) (Khasra No. 428/1, 435, 443, 446, 447,450,451, 453,461/2,467,468, 470, 471, 473, 481, ,484, 488, Village - Rodada, Tehsil - Gandhwani, Dist. Dhar (MP) EIA Consultant: M/s. Creative Enviro Services , Bhopal.**

This is case of Limestone Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 428/1, 435, 443, 446, 447,450,451, 453,461/2,467,468, 470, 471, 473, 481, ,484, 488), Village - Rodada, Tehsil - Gandhwani, Dist. Dhar (MP) 42.852 Ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 455<sup>th</sup> SEAC dated 16/09/2020 wherein ToR was recommended.

PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The EIA was presented by Env. Consultant Shri Umesh Mishra from M/s. Creative Enviro Services , Bhopal. and their representatives on behalf of PP , wherein PP

submitted that this is case of Limestone ( Major Mineral ) Deposit Mine, which is captive in nature and lime stone will be used for cement plant of project proponent. The project has been proposed for the Mining of lime stone over Govt Waste Land by open cast through mechanized method. Mining will be confined to the allotted lease area which lies on the Govt waste land from which approximately 43,0274 TPA of lime stone will be excavated per annum. The lease area is divided into four block namely Block-A, Block-B Block-C and Block -D The Lime stone deposit is coralline and nodular type. The initial working will be done over Block D. The mining lease has been granted in favour of M/s Satguru Cement over an area of 42.857 Ha on Khasra No 428/1, 435, 443, 446, 447,450,451, 453,461/2,467,468, 470, 471, 473, 481, ,484, 488 situated in Village Rodada Tehsil- Gandhwani &, District Dhar M.P. Mining will be carried out on the basis of govt. consent order for mining operations for 50 years. The total minable area is only 26.369 ha. . A total mineable reserve as per the mining plan is 6922430 Tonne & with maximum of production of Lime Stone mineral of 430274 TPA. The proposed project is an opencast and fully mechanized mining project, where mining of lime stone will be done through drilling, rock breaker Jack hamer etc.

During presentation as per Google image based on coordinates provided by PP, it was also observed that in the south-east at a distance of 160m side huge water body of Man reservoir is located and dam bund is existing at a distance of 1.8 km. Pucca road in the west side at 100m and 260 m in north side, habitation at 356m in the NW side of the lease. The lease is in 04 parts some isolated hutments in the west side in the western direction at distance of 40 & 45 m. PP has stated that no blasting shall be carried out mining will be done through rock breaker only. The area where habitation are left as non- mining area. After presentation committee asked PP to submit response on following issues

1. As mining is proposed in 04 parts out of this 02 part are of 0.42 ha. & 0.66 ha., located in the south side, justify how mining shall be carried out with bench formation .
2. Revised plantation/green belt development Scheme as suggested by committee.
3. Details of actual sanctioned Khasra wrt mining lease
4. Provision of additional settling tanks at Block A
5. Revised budget and activity under CER programme.
6. Details regarding carbon footprint analysis wrt to CO2 emission during mining operations (blasting & vehicle movement) if same can be summarized with the available data.

PP vide their letter dated 16.12.2021 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Rodada Limestone Deposit in an area of 42.852 ha. (4,30,274 tonne per annum) (Khasra No. 428/1, 435, 443, 446, 447, 450, 451, 453, 461/2, 467, 468, 470, 471, 473, 481, 484, 488), Village - Rodada, Tehsil - Gandhwani, Dist. Dhar (MP) . subject to the following special conditions:

**(A) PRE-MINING PHASE**

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

**(B) MINING OPERATIONAL PHASE**

1. That no blasting shall be carried out mining will be done through rock breaker only.
2. Working height of the loading machines shall be compatible with bench configuration.
3. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
4. No explosive will be stored at the mine site.
5. No intermediate stacking is permitted at the mine site.
6. No dump shall be stacked outside the lease area.
7. Overhead sprinklers shall be provided in mine.

8. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
9. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 10240 trees shall be planted on barrier zone, backfilled area , along the transportation route ( 640 no of trees) and in village ( 5000 No of trees) also.
10. Transportation of material shall be done in covered vehicles.
11. Transportation of minerals shall not be carried out through forest area.
12. The OB shall be reutilized for maintenance of road and for back filling . PP shall bound to compliance the final closure plan as approved by the IBM.
13. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 1128.00 X 2.00 X 2.00, 1038.00 X 2.00 X 2.00, 588.00 X 2.00 X 2.00, 500.00 X 2.00 X 2.00, 538.00 X 2.00 X 2.00. The settling tank will be 04 in number of size 0.16ha X 5mD, 0.51ha X 5mD, 0.30ha X 5mD, 0.52ha X 5mD, 0. 52ha X5MD
14. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development. Regular de-silting of drains and pits should be carried out.
15. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
16. The existing and proposed land use plan of the mine is as follows:

Items	Existing ha	SOM Period ha	Conceptual Period ha
<b>Total lease area</b>	<b>42.852ha</b>		
Area under dumps	Nil	2.62ha	Nil
Area under pits	Nil	3.370ha	23.45ha
Infrastructure & Road	Nil	0.115ha	Nil
Mineral storage	Nil	Nil	Nil
Plantation	Nil	2.8665ha	2.8665ha

Un-worked area	Nil	33.8805ha	16.5355ha
Total	42.852ha	42.852ha	42.852ha
Water body	Nil	2.00ha	4.3165ha
Area to be reclaimed	Nil	Nil	12.65ha
Plantation			
Un-worked area	0.05 (100no.)	2.8665ha (5600 no.)	2.8665ha (5600 no.)
Backfilled area	Nil	Nil	12.65 (25300 no.)
Bench area	Nil	Nil	6.4835ha (13000No.)
Total area for plantation	0.05 (100no.)	2.8665ha (5600 no.)	22.00ha (43900 No.)

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

### (C) ENTIRE LIFE OF THE PROJECT

22. In the proposed EMP, capital cost is Rs. 138.76 Lakh is proposed and Rs.38.322 Lakh /year as recurring expenses.
23. As per office memorandum vide no 22-65/2017/IA-III dated 30.09.2020, no financial budget under CER is being proposed. The commitment to address the concern raised during the public hearing issues with physical target shall be complied as below :

Proposed CER Activities		
SN	Plan	Activity
1.	Providing infrastructure support to the	2 Toilet each at Govt. Middle School, Jeerabad

	village i.e. school, aganwadi center,	and Aganwadi center, Dhanora with facility of water. water will be provided from mine pit through pipeline at village Rs 2,00,000 each ( Total 4,00,000)
	<b>Public hearing issue</b>	
	Provision of two hand pumps in village	Two hand pumps shall be commissioned as soon as mine will be operative. ( Rs 50000)
	Provision of RO plant in School	Provision of Rs 25000/- is made for the facilitating RO at school as soon as mines will be operative
	Provision of sport facility and infrastructure facility at School	Provision of sport facility computer, slides, other play tools and chairs, (Rs Rs 5.25 Lacs )
	Free Medical camp	Twice in year for village Jeerabad and Dhanora ( Rs 3 Lacs )
	<b>Total Budget</b>	<b>10.00 lakh</b>

24. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
25. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**2. Case No. – 7709/2020 M/s Krupa Wastages, A Common Bio-Medical Waste Treatment Facility, Shastri Ward, Near Gayatri Mandir, Anganwari No. 10, Dist. Seoni, MP – 480661 Prior Environment Clearance for Common Bio-Medical Waste Treatment Facility for treatment of 100 kg per hour Static Kiln based bio Medical Incineration Project at Village - Pindrai, Tehsil - Barghat, Dist. Seoni (MP).EIA Consultant: M/s. Vision Tech , Bhuvneshwar, Orissa.**

This is case of Prior Environment Clearance for Common Bio-Medical Waste Treatment Facility for treatment of 100 kg per hour rotary kiln based bio medical incineration project at Village - Pindrai, Tehsil - Barghat, Dist. Seoni (MP).

The case was presented by the PP and their consultant in the 461<sup>st</sup> SEAC meeting dated 29-09-20 wherein PP submitted that it has already operating CBWT facility at same site i.e. Khasra No. 394, Village Pindrai Khurd, Teh. Barghat, Dist. Seoni (M.P.) having

capacity of 50 kg per hours, to meet out the requirement of guideline issued by CPCB, it is proposed to standby the old incinerator and 100 KG per hour Fixed Hearth Kiln type incinerator, based bio medical incineration project. The existing autoclave and shredder will be used in the new facility.

Earlier this case was scheduled for presentation and discussion in 461<sup>st</sup> 29/9/20 SEAC meeting and 505<sup>th</sup> SEAC meeting dated 24/07/2021 wherein amendment ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The EIA was presented by Shri P. K. Ranjan, Env. Consultant from M/s.Vision Tech, Bhuvneshwar, Orissa and their representatives on behalf of PP, during presentation PP has submitted that this proposed project CBWTF is a modification of existing facility. Which is ZLD based. Following are salient features of the project details:

- M/s Krupa Wastage has already operating CBWT facility at same site i.e. Khasara No. 394, Village Pindrai khurd, Teh. Barghat, Dist. Seoni (M.P.) having capacity of 50 kg per hours. To meet out the requirement of guideline issued by CPCB, it is proposed to standby the old incinerator and 100 KG Static Fixed Hearth Kiln type incinerator will be installed. The existing autoclave and shredder will be used in the new facility.
- A Common Bio-medical Waste Treatment Facility (CBWTF) is a set up where bio-medical waste, generated from a number of healthcare units, is suitably treated to reduce adverse effects that this waste may pose. The treated waste may finally be sent for disposal in a secured landfill or for recycling purposes.
- The Proposal was considered and recommended in 461<sup>st</sup> SEAC meeting dated 29.09.2020 Accordingly, SEIAA issued ToR vide no. 742/PS-MS/MPPCB/SEAC/ToR/(461))/2020 dated 06.10.2020 and revised ToR has been issued vide no 1927/SEIAA/2021 dated 17.09.2021
- Proposed project of setting up of the Common Bio-medical Waste Treatment Facility for treatment of 100 kg per hour Static fixed Hearth kiln based bio medical incineration project, includes Incinerator, Autoclave, Shredder, Storage and Effluent Treatment Facility.. Following will be the capacity of the facility:

**Project at a Glance:**

Sl. No.	Equipment	Number	Installed Capacity
1	Static Fixed Hearth Kiln	01	100 kg per hr

2	Autoclave	01	0.5 m <sup>3</sup>
3	Shredder	01	50 kg per hour
4	Effluent Treatment Plant	01	5 KLD

Sr. No.	Particulate	Description
1.	Name of the proponent with Address	Krupa Wastages
2	Project capacity	100 kg
3	Khasara No. & Location of the project	Khasara No. 394, Village Pindrai khurd, Teh. Barghat, Dist. Seoni (M.P.)
4	Geographic Location	Lat -22°4'0.58"N Long-79°40'1.41"E
5	Operation days	365 days
6	Fresh water Requirement	5 KLD
7	Source of water	Tanker supply
8	Electricity Load and Source	35 KWA
9	DG	20 KWA
10	Existing Man-power	30
11	Total project cost	1.86 Cr.
12	Land acquired	6317 Sqm
13	Land required for proposed plant	465 Sqm
14	Proposed area for plantation	428 Sqm
15	Existing area of plantation	1672 Sqm
16	Man-power (after capacity expansion)	50
17	Capital Cost for Environmental measures (proposed)	75.45 Lakhs
18	Recurring cost for environmental measures (Proposed)	4.90 lakhs

### **Land Use of the Site**

<b>Land use Break-Up for proposed unit</b>	
Particulars	Area (Sq. mt.)
Plant and Machineries	280
Office and administration	80
Waste storage area	300
Fuel storage area	10



Road	550
Green belt area	2100
Plant and Machineries	280
Office and administration	80
Total Land	6317 Sq.mt.

### **Water Balance for proposed project**

Water Balance for proposed unit		
Heads	Water Consumption	Waste Water Generation
Unit	Proposed	Proposed
Incineration	1200 ltr	400 ltr
Floor washing	800 ltr	680 ltr
Vehicle washing	1000 ltr	900 ltr
Steam Generation	100 ltr	Nil
Green Belt	500 ltr	Nil
Others	1400 ltr	1300 ltr
Total	5000 ltr	3280 ltr

### **Waste Management**

Solid wastes shall be generated in the form of Incineration ash from Incinerator, ETP sludge from ETP process and used oil from the plant utility. Following steps shall be taken;

- Incineration ash from incinerator will be disposed to the nearest authorized TSDF site.
- Incineration ash and ETP sludge will be sent to authorized TSDF site
- Used oil will be properly stored and it will be re-used as lubricants in the machineries within the premises only.
- Record of solid waste generation and disposal shall be maintained.
- All Necessary precaution shall be taken during handling, loading and unloading of solid waste.

Sr No	Name Of The Waste	Approximate Quantity (Tonnes/Year)	Waste Generating Point	Mode Of Handling & Transport
1.	Used oil	50 Lit/Yr.	From DG Sets, Pumps, etc	It will be re-used as lubricants in the machineries within the premises only

2.	Incineration Ash	70 MT/Year	Incineration of Biomedical Waste	Authorized TSDF
3.	ETP Sludge	2 MT/Year	Effluent treatment plant	Authorized TSDF

**Gap and Root Description:**

No common biomedical waste treatment facility is operating in the nearby areas of 75 km.

Total no. of bed covered (existing)–		
S.No.	District	No. of bed (approx)
1	Seoni	800
2	Balaghat	1050
3	Mandla	750
4	Chhindwara	1500
5	Dindori	350
	Total	4450

Total no. of bed covered (proposed)–		
S. No.	District	No. of bed (approx)
1	Seoni	800
2	Balaghat	1050
3	Mandla	750
4	Chhindwara	1500
5	Dindori	350
6	Jabalpur	4200
7	Narsingpur	1200
8	Betul	800
	<b>Total</b>	<b>10650</b>

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

- 1) Revised plantation of minimum 1000 plants as suggested by committee with proposal for development of fountain.
- 2) Proposal of additional plantation and proper budgetary provision in the EMP.

- 3) Revised CER, add proposal of bore well with recharge provision and distribution of fruit bearing plants in the school & in the village.

PP vide letter dated 16.12.2021 submitted reply of the above query. The query reply was presented by the PP and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Common Bio Medical Waste Treatment Facility through 100 Kg per hour with Dry Scrubbing System and Ceramic Filters based medical incineration project Land Area- (6317 sq mtrs ) At Khasara No 394 Village- PindraiKhurd Tehsil Barghat Dist Seoni (M.P.) of M/s Krupa Wastages Seoni (MP) under 7(da) for Common Biomedical Waste Treatment, Storage and Disposal Facilities, with following treatment capacity subject to the following special conditions with following:

Sl. No.	Equipment	Number	Installed Capacity
1	Static Fixed Hearth Kiln	01	100 kg per hr
2	Autoclave	01	0.5 m <sup>3</sup>
3	Shredder	01	50 kg per hour
4	Effluent Treatment Plant	01	5 KLD

**I. 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. Transportation and handling of Bio-medical Wastes shall be as per the Biomedical Wastes (Management and Handling) Rules, 2016 including the section 129 to 137 of Central Motor Vehicle Rules, 1989.
- iii. Project shall fulfill all the provisions of hazardous Wastes (Management, handling and Transboundary Movement) Rules, 2016 including collection and transportation design etc and also guidelines for Common Hazardous Waste Incineration – 2005, issued by CPCB Guidelines of CPCB/MPPCB for Bio-medical Waste Common Hazardous Wastes incinerations shall be followed.
- iv. Project shall fulfill hall 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.
- v. All other statutory clearances such as the approvals for storage of diesel from Chief Controlled of Explosive, Fire Department Civil Aviation Department shall be

obtained, as applicable by project proponent from the respective competent authorities.

**II. Air quality monitoring and preservation**

- i. The project proponent shall install emission monitoring system including Dioxin and furans to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules, 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. Periodical air quality monitoring in and around the site including VOC, HC shall be carried out.
- iii. Incineration plant shall be operated (combustion chambers) with temperature, retention time and turbulence, so as to achieve Total Organic Carbon (TOC) consent in the slag and bottom ashes less than 3% or their loss on ignition is less than 5% of the dry weight of the materials.
- iv. Adequate air pollution control system should be provided with the incinerator to arrest the gaseous emission with stack of adequate height (Minimum 30 meters) to control particulate emission.
- v. Appropriate Air Pollution Control (APC) system shall be provided for fugitive dust from all vulnerable sources, so as to comply prescribed standards. All necessary air pollution Control devices (quenching, venturi scrubber, mist eliminatory) should be provided for compliance of emission standards.
- vi. Masking agents should be used for odour standards.

**III. Water quality monitoring and preservation**

- i. The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules, 1986 through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. Waste water generated from the facility shall be treated in the ETP and The water after primary treatment shall be sent to CETP for further treatment and record shall be maintained. The water quality of treated effluent shall meet the norms prescribed by State Pollution Control Board. Zero liquid discharge shall be maintained.
- iii. Process effluent /any waste water should not be allowed to mix with storm water.
- iv. Total fresh water use shall not exceed the proposed requirement (5 KLD) as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.

- v. Zero discharge treatment system shall be provided. No soil contamination is anticipated from the proposed project as the land fill facility will have liner system to arrest any contamination.
- vi. Web based camera shall be installed to monitor the ZLD condition.
- vii. The leachate, if any, from the facility shall be collected and treated to meet the prescribed standards before disposal.
- viii. A drain along the boundary wall shall be made, and shall be connected to settling tank to protect the flow of contaminant towards nearby land
- ix. Run-off from upstream areas will be diverted to settling tank (5mLX5mWX5D) within the premises through drains.
- x. The run-off generation will be minimized by diverting run-off from areas external to the plant to storm water discharge points;

**IV. Noise monitoring and prevention**

- i. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
- ii. The sources of noise generation will Incinerator, pumps, Compressors, etc. All machinery has been manufactured as per OSHA/MoEF guidelines. Earplugs have been provided to workers working in noise prone area.
- iii. Ambient noise levels is in accordance with MoEF notification dated 14-02-2000 i.e. noise levels will be < 75 dB (A) during daytime and < 70 dB (A) during night time. No additional increase is expected.

**V. Energy Conservation measures**

- i. Provide solar power generation roof tops of building, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- ii. Provide LED lights in their offices and residential areas.
- iii. Power will be required about 35 KVA which have been sourced through Madhya Pradesh Vidyut Vitaran Company Ltd.

**VI. Waste management**

- i. Incinerated ash and other shredded or Autoclaved waste shall be disposed at approved TSDF and MoU made in this regard shall be submitted to the SPCB prior to the Commencement.
- ii. The solid wastes shall be segregated as per the norms of the solid Waste Management Rules, 2016.

- iii. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- iv. No landfill site is allowed within the CBWTF site.
- v. Regular monitoring and analysis of village Pond flowing nearby and nearby pond shall be carried out
- vi. RCC dyke/platform should be constructed for storage of chemicals and oil drums to avoid spillage.
- vii. The project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB and disposed them as per condition of the authorization

**VII. Green Belt**

- i. Green belt shall be developed in area as provided in project details, with native tree green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
- ii. The 2100 sq.mts (1000 numbers of trees) of total area shall be provided for green belt development as per the details provided in the project document. 5 m wide greenbelt will be developed all around the plant.

**IX. EMP & Corporate Environment Responsibility**

- i. 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 during into focus any infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/condition. The company shall have defined system of reporting infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF & CC as a part of six monthly reports.
- ii. In the EMP PP have proposed Rs. 75.45 lakh as capital cost and 4.90 lakh/year for recurring expenses.
- iii. PP shall provide budget of Rs 15 Lacs under CER budget and shall be incurred as per the proposal given below.

Commitment towards public hearing Issue in terms of Physical Target		
SN	Plan	Activity
1	Provision of bore well	Provision of bore well at 02 number ( One at Primary School and One at Aganwadi) in village Pindarai Khurd in consultation of Gram Panchayat ( Rs 1

		Lac )
2	Plantation In village	Plantation by unit in village Pindarai Khurd with 2000 no of Trees ( Rs 250 /- per plant) Rs 5 Lacs
3	Infrastructure facility	Construction of one room (10feet X 15feet) with essential facility at nearby primary school at Pindarai Khurd ( Rs 5 Lac )
4	Misc	Contribution in terms of tents, lights, food etc during religious ceremony/programme at villages and provision of utensils, Chairs for religious function Rs 4 Lac
<b>Indicative Budget : Rs 15 Lacs for above activity</b>		

- iv. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- v. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Officer along with the six monthly Compliance Report.
- vi. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

#### **X. Miscellaneous**

- i. The project authorities must strictly adhere to the stipulation made by the State Pollution Control Board and the State Government.
- ii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- iii. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment Forests and Climate Change (MoEF & CC).
- i. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the (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 any other orders passed by the Hon'ble Supreme Court of India/ High Courts/NGT any other Court of Law relating to the subject matter.

**3. Case No 8834/2021 M/s Devis Surgico, 3, Giriraj Market, Lohiya Bazar, Laskar, Dist. Gwalior, MP - 474009 Prior Environment Clearance for Capacity Expansion from 100 kg per hour to 350 kg per hour (by addition of rotary kiln of 250 kg per hour) in Common Bio Medico Bio Medical Waste Treatment Facility at Village - Antri, Tehsil - Chinor, Dist. Gwalior, (MP) (7da) EIA Consultant: M/s. Creative Enviro Services , Bhopal .**

This is case of Prior Environment Clearance for Capacity Expansion from 100 kg per hour to 350 kg per hour (by addition of rotary kiln of 250 kg per hour) in Common Bio Medico Bio Medical Waste Treatment Facility at Village - Antri, Tehsil - Chinor, Dist. Gwalior, MP .

The case was presented by Env. Consultant Shri Umesh Mishra from M/s. Creative Enviro Services , Bhopal. and their representatives on behalf of PP, wherein PP submitted for this unit is in operation since in 21st April year 2019 and environment clearance was issued to the Facility vide no 1801/SEIAA/2018 dated 28.02.2018. PP further stated that the proposed expansion project of setting up of another kiln of 250 kg per hr within existing Common Bio-medical Waste Treatment Facility already having 100 kg per hour rotary kiln Autoclave, Shredder, Storage and Effluent Treatment Facility. Following will be the configuration of the facility:

- Ms Devis Surgico was operating CBWTF unit within the premises of Govt Gajraja College, Gwalior. Thereafter the facility was shifted at Village Antari Dist Gwalior (MP) .
- At present, it is estimated that 885 kg per day waste has been generated from the Gwalior City and no CBWTF facility is in operation to treat the waste in the guided manner. The subject proposal is the only one facility, therefore it is requested to provide recommendation for the project and oblige us.
- Proposed expansion project of setting up of another kiln of 250 kg per hr within existing Common Bio-medical Waste Treatment Facility already having 100 kg per hour rotary kiln Autoclave, Shredder, Storage and Effluent Treatment Facility. Following will be the configuration of the facility:

Sl. No.	Equipment	Number		Installed Capacity	
		Existing	Proposed	Existing	Proposed
1	Rotary Kiln (with	01	01	100 kg per hr	250 kg per hr Rotary Kiln (with automatic waste feeding & two second flue gas residence



	automatic waste feeding conveyor)				secondary chamber, heat exchanger, droplet separator, venture scrubber, baggon filter, id fan ,chimney.
2	Autoclave	02	01	0.25 m3	250 lit with PLC
3	Shredder	01	01	50 kg per hour	100 Kg per hour with latest technology with automatic conveyour feeding system
4	Effluent Treatment Plant	01	-	6 KLD	15 KLD With pressure flow meter measuring devices.(as per CPCB norms

Committee after deliberation decided that PP has proposed rotary kiln with automatic waste feeding & two second flue gas residence secondary chamber, heat exchanger, droplet separator, venture scrubber, baggon filter, id fan, chimney for incineration capacity 250 kg / hour. During presentation PP requested for exemption of public hearing as previously public hearing was conducted which is not older than three years and as per clause 7 (ii) (a) of EIA Notification, 2006. Committee deliberated and recommends that PP shall submit EIA report as per the standard TOR and additional TOR points recommended by PP and justify their proposal in the EIA report for exemption from public hearing as per the provisions of EIA Notification, 2006. After deliberations committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TORs as per conditions mentioned in Annexure-D:-

1. MoEF&CC compliance report being case of expansion with specifically mention target plantation in earlier EC and target achieved with photographs and drone video.
2. BMW quantification with justification for expansion facility.
3. Explore the possibility for in-house lab in the premises.
4. Justify in EIA report, how unit will remain zero discharge.
5. Proposal for GPS enable vehicles, their route maps and stack height etc.
6. Disposal plan of autoclaved material should be discussed in the EIA report.
7. Justify in EIA report that the proposed technology is “Best Available Technology” of CBWTF and also how unit will remain zero discharge.
8. Maximum storage time of Bio-medical waste within the facility and disposal plan of autoclaved material should be discussed in the EIA report.
9. Monitoring of VOC should be added in the proposed monitoring protocol of EIA study.
10. Detail of power supply in the construction & operation phase.

11. How much HSD for DG set will be stored at the site?
12. PP shall obtain CTE from the MP Pollution Control Board and same shall be appended with EIA report.
13. Proposal for GPS enable vehicles and their route maps shall be discussed in the EIA report.
14. Elaborate handling and disposal of hazardous waste and possible spillage avoidance with control measures proposed for mitigation of odour nuisance shall be discussed in the EIA report.
15. Detailed layout of various proposed facilities with their capacities and design criteria shall be discussed in the EIA report.
16. 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.
  - ✓ 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.
  - ✓ 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.
  - ✓ Establish the running water fountain in premises at central green belt.

**4. Case No 8853/2021 M/s Bromos Chemicals, Shri Ajabir Singh, Prop., 181, AKVN Industrial Area, Meghnagar, Dist. Jhabua, MP - 457779 Prior Environment Clearance for Manufacturing of API-Bulk Drug & Intermediates (Total proposed production capacity after this expansion: of Liquid Bromine 888 MT/Anum and Total Proposed production capacity: of API/Bulk Drug & Intermediates 600 MT/Anum) at 181, 182, 182A, 183A, Meghnagar Industrial Area, AKVN, Tehsil - Meghnagar, Dist. Jhabua, (MP) (5f) EIA Consultant: M/s. Creative Enviro Services , Bhopal .**

This is case of Prior Environment Clearance for Manufacturing of API-Bulk Drug & Intermediates (Total proposed production capacity after this expansion: of Liquid Bromine 888 MT/Anum and Total Proposed production capacity: of API/Bulk Drug & Intermediates 600 MT/Anum) at 181, 182, 182A, 183A, Meghnagar Industrial Area, AKVN, Tehsil - Meghnagar, Dist. Jhabua, (MP). The proposed project falls under item

no 5(f) i.e. Synthetic organic chemicals hence requires prior EC from SEIAA before initiation of activity at site.

The case was presented by Env. Consultant Shri Umesh Mishra from M/s. Creative Enviro Services , Bhopal. and their representatives on behalf of PP . Wherein submitted that this case was scheduled for the presentation under category B-2 . PP has submitted following project details:

### **SALIENT FEATURE OF PROJECT**

- M/s. Bromos Chemicals, is small-scale manufacturing facility located at Plot No.181, 182, 182A,183B, Meghnagar Industrial Area, AKVN, Tehsil: Meghnagar, SIDC: Meghnagar, Dist.: Jhabua, PIN 457779 (M.P.)
- Unit is currently engaged in manufacturing of Liquid Bromine and having the valid Consent (CCA) order (Consent No: AW-50030 & H-50031) issued by Madhya Pradesh Pollution Control Board (MPPCB) for production of the existing product.
- Existing production capacity of Liquid Bromine is 600 MT/Anum. Proposed production capacity of Liquid Bromine 288 MT/Annum and proposed production capacity of API/Bulk Drug & Intermediates is 600 MT/Annum. Total proposed production capacity after expansion for Liquid Bromine will be 888 MT/Anum and total proposed production capacity of API/Bulk Drug & Intermediates will be 600 MT/Annum
- The project occupies a plot Area of 8221.11 sqm of land. The total fixed cost of the project is estimated as INR 800 Lacs.
- The major facilities will be Boiler, MEE, Reactors, Cooling Towers, Effluent Treatment Plant (ETP), and R.O Plant. Facilities like administrative office, parking and greenbelt/plantation will also be developed as per plan/requirement. The treated water will be used for cooling towers, floor washing and gardening/green belt.
- Total raw water requirement for the proposed project will be 65.5 KLD fresh and after recycling of 48 KLD , the fresh water requirement will be 17.5 KLD.. The water will be sourced from MPIDC, Meghanagar Jhabua (MP)
- The total wastewater generation from the domestic source will be 6.00 KLD and industrial wastewater generation will be 43.2 KLD. Process effluent i.e. 29.8 KLD will be segregated into concentrated effluent stream 9.8 KLD) and normal effluent stream (20 KLD).
- Solid waste generated during the manufacturing process and wastewater treatment process is mainly sludge and will be disposed at authorized TSDF facility, as per Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2008 (Amendment 2016). M/s Bromo Chemicals will take authorization Under Hazardous Waste (Management, Handling & Transboundary Movement), Rules.
- Power will be sourced from existing line of 'Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company'. The total requirement will be 150 KW. In case of power failure, D.G. of 82 KVA and 62.5 KVA will be used as a backup power source.

- The total capital cost for environmental measures is kept as Rs. 135.25 Lacs (capital cost) is allocated for environmental management systems and the annual recurring cost for the same is Rs 36.55 Lacs

### Salient Feature of Project

S.N.	Component	Status
1	Name	M/s. Bromos Chemicals
2	Location	Plot No. 181, 182, 182A, 183B, Meghnagar Industrial Area, AKVN, Tehsil : Meghnagar, SIDC : Meghnagar, Dist : Jhabua, PIN 457779 (M.P.)
3	Product type	Existing : Liquid Bromine : 600 TPA Proposed 1. Liquid Bromine : 288 TPA 2. API and Intermediates : 600 TPA Total 1. Liquid Bromine : 888 TPA 2. API and Intermediates : 600 TPA
4	Project Type	Expansion in production capacity
5	Category of Project	MSME
7	Area Details in Sq Meter	
	Total Plot Area	8221.11 sq mt
	Green belt Area	33% of the total area
S.N.	Component	Status
9	Budgetary Allocation	
i	Project Cast	800 Lakhs
ii	EMP Cast	
	Capital cost	136.25 Lacs for EMS viz. ETP, MEE, APCM etc
	Annual re-occurring cost	36.55 Lacs for EMS - O&M and monitoring etc
iii	CER Activities	10 Lacs
10	Power Requirement	
ii	Total Power Requirement	150 KW
iii	Source	MPSEB
11	Fuel Requirement	
A	Existing	
i	Agro Waste for Boilers (1 TPH)	Agro Briquette (5 kg/hr)
ii	HSD for DG Set (62.5 kVA)*	HSD – 35 LPH
B	Proposed	
i	Briquette/Coal for Boilers (2 TPH)	Agro Briquette (6 T/day)
ii	Thermopack Boiler (2 Lakh k Cal/Hr.)	HSD or Furnace Oil

iii	HSD For DG Set (82 kVA)*	96lit/hour
12.	DG Set Details	
i	DG Set (1No.)- Existing	62.5 kVA
ii	D.G. Set (1No.)- Proposed	82KVA
S.N.	Component	Status
13	Utility Capacity	
i	Existing Steam Boiler	1.0TPH Agro Waste /Briquette
ii	Proposed Steam Boiler	2.0 TPH Agro Waste /Briquette
iii	Proposed Thermopack Boiler	2 Lakh k Cal/Hr. HSD/ FO
14	Scrubber Details	
i	Acid scrubber	1200 CMH
ii	Alkali Scrubber	1200 CMH
15	Stack Details	
i	Boiler Stack	300 MM DIA.X 30 M Height (FOR 1500KG/HR) 450 MM DIA.X 30 M Height (FOR 2000 KG/HR)
ii	Scrubber Stack	12 m
iii	D.G. Set- 62.5 kVA	3 meter
	D.G. Set- 82 kVA	5 meter
16	Man Power	
i	Construction phase	100-150
	Operation phase	150 workers per day
17	Water Details	
i	Total Water Requirement	65.5 KLD
ii	Recycle water *	48 KLD
iii	Actual fresh water requirement	17.5 KLD
18	Effluent Detail	
	Domestic Effluent	6 KLD
	Process Effluent	30 KLD
S.N.	Component	Status
iii	Utility, washing and others	13.2 KLD
iv	Total effluent generation	49.2 KLD
19	ETP Details	
i	Stream segregation	High COD/High TDS & Low COD/Low TDS Effluent
ii	High COD/High TDS Effluent	High COD/high TDS Effluent will be treated in stripper column followed by MEE with Agitated thin film dryer. The effluent will further be treated in ETP followed by RO system.
iii	Low COD/Low TDS Effluent	Low COD/Low TDS Effluent will be treated in a Effluent Treatment Plant comprising of Primary, Secondary & Tertiary

		treatment like sand filter carbon filter and then RO system. The effluent after treatment in ETP and RO system will be reused within the company premises as cooling tower makeup water and boiler feed etc. The sewage effluent will be treated in a Effluent Treatment Plant/RO along with other effluent and reused.
20	Waste Management	
i	Solid waste, Hazardous waste,	All Haz. waste, solid & other waste will be segregated and properly stored prior to its final disposal and its managed would be carried out as per HW Rules, SW Rules & CPCB/SPCB guideline

### List of Products

Sr. No.	Product Name	CAS No.	Quantity MT/Month			End Use
			Existing (as per CCA)	Proposed	Total After Expansion	
1	Bromine liquid )*	7726-95-6	50	24	74	API Intermediate N-Butyl Bromide & N-Propyl Bromide used to treat myasthenia gravis (API)
2	N-Butyl Bromide (NBBR) and/or	109-65-9	0	50	50	API Intermediate Tetra Butyl Ammonium Bromide Hyoscine Butyl Bromide (API) antispasmodic medicine
3	N-Propyl Bromide (NPBr) and/ or	106-94-5	0			API Intermediate manufacturing as Reactant and Intermediate synthesis of Sodium Valproate used to treat epilepsy and bipolar disorder
4	Bromo Benzene	108-86-1	0			API Intermediate Benzoic Acid (API) M. Phenoxy Benzaldehyde
5	4 Bromo Methyl - 2 Cynobipheneyl Or / and	114772-54-2	0			API / Drug Intermediate Irbesartan, Lasartan, Valsartan

Sr. No.	Product Name	CAS No.	Quantity MT/Month			End Use
			Existing (as per CCA)	Proposed	Total After Expansion	
6	Para Bromo floro Benzene	460-00-4	0			API / Drug Intermediate Fluticasone propionate API and M. Bromo Nitro Floro Benzene
7	Para Nitro Benzyl Bromide	100-11-8	0			API / Drug Intermediate 4(Murpholinomet hyl)Aniline
8	1, 4 Dibromo Butane Or/and	110-52-1	0			API / Drug Intermediate Aripirazole(API)
9	Decyl Bromide	112-29-8	0			API/Drug aripirazole intermediate 1 Decyl 2 3 dimethylimidazoli um Bromide
10	Ethyl 2 Bromo Butyrate (E2BB)	533-68-6	0			API/Drug intermediate Levetiracetam
11	Ethyl - 2 Bromo Propionate (E2BP)	535-11-5	0			API/Drug intermediate Ethyl 5-Bromo - 3 (2 Pyridyl), Indol 2 Carboxylate (Naproxine)
12	Bromo Acetaldehyde Dimethylacetal and 2Bromomethyl (1,3) dioxolane Or/and	7252-83-7 4360-63-8	0			API/Drug intermediate Use in Doxofilline
13	2 Propyl Pentanoic Acid	99-66-1	0			API/Drug intermediate Mfg. of Valproic Acid
14	Meta Bromo Anisole	2398-37-0	0			API/Drug intermediate Tramadol Hydrochloride
15	Tetra Butyl Ammonium Bromide	1643-9-19-2	0			API/Drug intermediate Phase Transfer Catalyst Gliclazide (API)
16	Tri Ethyl	56-37-1	0			API/Drug intermediate

Sr. No.	Product Name	CAS No.	Quantity MT/Month			End Use
			Existing (as per CCA)	Proposed	Total After Expansion	
	Benzyl Ammonium Chloride					
17	4-Amino 1,2,4-Triazole	584-13-4	0			API/Drug intermediate Fluconazole (API)
18	5-Chloro Salicylic Acid	321-14-2	0			API/Drug intermediate Glibenclamide
19	Pyridine Sulphur Trioxide	26412-87-3	0			API/Drug intermediate Anticoagulation
20	Benzyl Bromide	100-39-0	0			API/Drug intermediate 3benzyl 1,2 dimethyl imidazoliumbromide, Donepezil hydrochloride (Anti-Alzheimer's disease)
21	2,4 Dichloropyrimidine	3934-20-1	0			API/Drug intermediate 4-aryl 5 Pyrimidinylimidazoles (inflammatory diseases)
22	4-Hydroxy Benzyl Alcohol	623-05-2	0			API/Drug intermediate Bisoprolol
23	Sodium Valporate	1069-66-5	0			API/Drug intermediate Psychiatry Drugs Intermediate
24	2-Methyl 2,4-Pentanediol	107-41-5	0			API/Drug intermediate Chloralodol API (Hypnotic)
25	2-Butyl 4-Chloro 5-Formylimidazole	83857-96-9	0			API/Drug intermediate Drugs product or veterinary, animal or pet
26	Lithium Bromide	7550-35-8	0			API/Drug intermediate Clobetazone propionate
27	5-difluoromethoxy-2-(3,4-dimethoxy-2-pyridinyl)meth	102625-64-9	0			Drug intermediate/ Pantoprazole (API)



Sr. No.	Product Name	CAS No.	Quantity MT/Month			End Use
			Existing (as per CCA)	Proposed	Total After Expansion	
	yl} thio} 1H benzimidazole					
28	2-Ethylbutyl acetate	10031-87-5	0			Pharmaceutical intermediate
29	Isobutyl nitrite	542-56-3	0			Drug intermediate
30	7-4-bromo butoxy)-3,4-dihydro carbostyry	129722-34-5	0			Aripiprazole drug intermediate
31	Bromo OTBN ( Valsartan)	114772-54-2	0			Intermediate of Losartan and To treat hypertension
32	Methyl -2-Bromohexanot e	5445-19-2	0			Intermediate of Amiodarone HCl and it is used to treat certain types of serious (possibly fatal) irregular heartbeat (such as persistent ventricular fibrillation/tachycardia) It is used to restore normal heart rhythm and maintain a regular, steady heartbeat. Amiodarone is known as an antiarrhythmic drug.
33	2-Bromo-4'-Methylacetoph enone	619-41-0	0			Intermediate of Zolpidem Pyrovalerone and it is used for the short term treatment of sleeping problems
34	Isosorbide	652-67-5	0			API/Drug intermediate Drug Intermediate Isosorbide Dinitrate Coronary vasodilator
35	3-methoxy thiophenol	15570-12-4	0			API/Drug intermediate Clopidogrel & other drugs
36	Ethyl Tri Phenyl Phosphium	603-35-0	0			API/Drug intermediate , Phase transfer catalyst

Sr. No.	Product Name	CAS No.	Quantity MT/Month			End Use
			Existing (as per CCA)	Proposed	Total After Expansion	
	Bromide					
37	6-methyl heptyl bromide	629-04-9	0			API/Drug intermediate Retiferol derivatives
38	Hydro Bromic Acid (HBr)*	10035-10-6	0			Inorganic Product
39	Potassium Bromide*	2139626	0			Inorganic Product
40	Ammonium Bromide*	12124-97-9	0			Inorganic Product
41	Sodium Bromide*	7647-15-6	0			Inorganic Product
42	Calcium Bromide*	22208-43-7	0			Inorganic Product
43	Copper bromide*	7787-70-4	0			Inorganic Product
	<b>Total (MT/Month)</b>		<b>50</b>	<b>74</b>	<b>124</b>	

### Land Use Pattern

LAND USE BREAKUP OF THE SITE				
S. No.	Particular/Purpose	Existing (Sq. M.)	Proposed	% Existing+Proposed
1.	Build up Area Production Block	137.62	602	8.99
2.	Utility and auxiliary	495.08	279.70	9.42
3.	Raw Material and FG Store	402.745	300	8.55
4.	Office block and QA QC	75.0	56.0	1.59

5.	ETP and MEE	119.10	84.10	2.47
6.	Green belt	1072.40	1394.0	30.0
7.	Internal Road	801.33	824.5	19.78
8.	Open land	471.5	1106.03	19.20
<b>Total</b>		<b>3574.78</b>	<b>4646.33</b>	<b>100</b>

### **Environmental Setting**

<b>Sr. No.</b>	<b>Particular</b>	<b>Description</b>	<b>Distance (km)</b>
1.	Google Co-ordinates	22°54'53.86"N 74°33'38.26"E	--
2.	Site Elevation	331 m	--
3.	Nearest National Highway	SH-18 (Bhopal Ahemdabad Highway)	1.0 km
3.	Nearest city	Meghnagar	2.2 km
4.	Nearest Village	Meghnagar	2.20 km
5.	Nearest Airport	Devi Ahilya Airport Indore	130 km
6.	Nearest Railway station	Meghnagar Railway station	2.5 km
7.	Nearest River	Anas River	6.0 km
8.	Archaeological Site	None within 10km radius	
9.	National Park/Wild Life Sanctuary/Marine Sanctuary	None within 10km radius	
10.	Seismicity	Seismic Zone-II	

### **Air Pollution control Measures**

<b>Sr. No.</b>	<b>Stack/Vent attached to</b>	<b>Stack Height</b>	<b>Stack Diameter</b>	<b>Fuel name</b>	<b>Type of Emission</b>	<b>APCM</b>
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		(meter)	(meter)			
<b>Existing</b>						
1	Boiler - 1 (1 TPH)	30	0.3	Agro Waste /wood 5 Kg/Hour	PM SO <sub>2</sub> ,NO <sub>x</sub>	Adequate Stack Height and Bag Filter
2	D.G. Set* (62.5 KVA)	3	0.1	HSD 35lit/hour	As per CPCB Guidelines	Adequate Stack Height Acoustic enclosure
<b>Proposed</b>						
3	D.G. Set* (82 KVA)	5	0.1	HSD ( 96 Liter/Day)	PM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack Height
4	Boiler - 1 (2 TPH)	30	0.3	Agro Waste /wood, 6 TPD	PM SO <sub>2</sub> ,NO <sub>x</sub>	Adequate Stack Height and Bag Filter
5	Thermopack Boiler (2 Lakh k Cal/Hr.)	12	0.15	HSD or Furnace Oil	PM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack Height

## WATER BALANCE

WATER CONSUMPTION DETAILS				
Sr. No.	Purpose	Water Consumption Quantity (KL/Day)		
		Fresh Water	Treated Water Recycled	Total
A.	Domestic	1.5	6	<u>7.5</u>
B.	Industrial			
	• DM Plant	15	--	<u>15</u>
	• Process {DM Treated Water)*	10	--	<u>10</u>
	• Boiler	--	12	<u>12</u>
	• Cooling	--	15	<u>15</u>
	• Scrubber	1	--	<u>1</u>
	• Washing	--	5	<u>5</u>
	Sub-total: (B)	16	32	<u>48</u>
C.	Gardening	--	10	<u>10</u>
TOTAL (A+B+C)		17.5	48	<u>65.5</u>

WASTEWATER GENERATION DETAILS:			
Sr. No.	Purpose	Wastewater Quantity (KL/Day)	Remarks
A.	Domestic	6	• Domestic Effluent (6 KLD) will be collected and sent to ETP
B.	Industrial		
	• Process	30	• Process effluent (10 KLD) to solvent stripper and then low COD/TDS effluent (33.2 KLD) sent to ETP and high COD/TDS effluent (9.8 KLD) sent to MEE followed by ATFD.
	• DM Reject	5	• ETP & RO system
	• Scrubber	1	
	• Boiler	1	
	• Cooling	1.2	
	• Washing	5	
	Sub-total: (B) *	43.2	
C.	Gardening	NIL	
TOTAL (A+B+C)		49.2	

- Storm water drainage system shall be developed and shall be maintained preciously to prevent the flow of silt and other contaminant outside of the site
- The entire trade effluent will be divided into two streams i.e. Stream-I (high concentrated streams) and Stream-II (low concentrated stream). Both the streams will be treated in well-designed ETP, RO and MEE.
- Low COD /TDS wastewater (including process effluent, washing, blow downs from cooling towers, boiler, scrubber, Softener regeneration) will be sent to ETP followed by CETP of Vikram Udogpuri Industrial Area.
- High COD / TDS wastewater (consisting process effluent) will be sent to MEE/ATFD. Condensate will be reused and bottom salt will be sent to a common TSDF site.
- Utilization of treated wastewater in toilet flushing, greenbelt development and dust suppression
- A drain along the boundary wall shall be made, which will be connected proposed settling tank to protect the flow of contaminant towards nearby area
- Storm water drainage system will be developed for unit and shall be maintained preciously to prevent the flow of silt and other contaminant outside of the site.
- Blow downs from cooling towers, boiler, ACF/MGF Cleaning, Softener regeneration, Vacuum pump will go to ETP
- Water harvesting structure need to provide further strength with proper maintenance
- ZERO effluent discharge has been implemented, and after expansion, the same shall be maintained.

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

- Regarding Justification of Case for B-2 Category.
- Revised Green Belt development Plan.
- Revised EMP Budget wrt enhanced Plantation as suggested by committee.
- Revised budget and activities under CER programme as suggested by committee.

PP vide letter dated 16.12.2021 submitted reply of the above query. The query reply was presented by the PP and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Manufacturing of API-Bulk Drug & Intermediates (Total proposed production capacity after this expansion: Proposed Capacity : Liquid Bromine from 600 TPA to 888 TPA and Bulk Drug & API : 600 TPA, at 181, 182, 182A, 183A, Meghnagar Industrial Area, AKVN, Tehsil - Meghnagar, Dist. Jhabua, (MP), subject to the following special conditions:

**(A) Statutory compliance:**

1. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Madhya Pradesh Pollution Control Board (MPPCB).
2. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
3. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

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

4. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to MPPCB and CPCB online servers and calibrate these system from time to time according to equipment

- supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
5. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
  6. 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 (if applicable). The gaseous emissions from the boiler, DG set and scrubber shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
  7. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
  8. The DG sets (62.5 KVA and 82 KVA ) shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
  9. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
  10. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

**(C) Water quality monitoring and preservation**

1. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
2. As already committed by the project proponent Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
3. The High COD/TDS process effluent (9.8 KLD) and RO Reject will be treated through MEE/ ATFD. The MEE condensates will be recycled/ reused and MEE bottom will be sent to TSDF site
4. The Low COD/TDS effluent, [20KLD)] will be treated in an on-site ETP followed by RO . The treated effluent will be reused/ recycled.

5. Adhere to 'Zero Liquid Discharge and No industrial effluent from the unit shall be discharged outside the plant premises. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
6. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the Madhya Pradesh Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
7. Total fresh water requirement shall not exceed 17.5 KLD and AKVN water supply shall be used
8. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
9. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
10. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

**(D) Noise monitoring and prevention**

1. Acoustic enclosure shall be provided to DG (62.5 KVA and 82 KVA KVA) set for controlling the noise pollution.
2. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
3. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

**(E) Energy Conservation measures**

1. The energy sources for lighting purposes shall preferably be LED based.
2. The total power requirements for project will be 150 KW . The power will be supplied by Madhya Pradesh Electricity Board. Bio- Briquette shall be used in boiler of 1TPH and 2 TPH



**(F) Waste management**

1. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
2. As proposed, 92-95% solvent recovery shall be achieved and recovered solvent shall be reused in the process.
3. Hazardous wastes such as spent solvents, organic incinerable wastes/residues, used filter bags, packaging materials, rejected/expired raw materials and off specification/ rejected finished products from the manufacturing plants shall be directly sent to CTSDf, Dhar.
4. The Fly ash generated from boilers shall be stored in silos and disposed of through cement manufacturers by bulkers / closed containers and should comply with Fly Ash Utilization Notification, 1999 and as amended subsequently.
5. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
6. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
7. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.
8. Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.
9. The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
10. Storage areas should be provided with adequate number of spill kits at suitable locations. The spill kits should be provided with compatible sorbent material in adequate quantity.
11. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
12. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.

13. All the storage tanks of raw materials/products shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls of suitable height shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.
14. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
15. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
16. The company shall undertake waste minimization measures as below:
  - a. Metering and control of quantities of active ingredients to minimize waste.
  - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
  - c. Use of automated filling to minimize spillage.
  - d. Use of Close Feed system into batch reactors.
  - e. Venting equipment through vapour recovery system.
  - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.

**(G) Green Belt**

1. The green belt of 5-10 m width shall be developed 2466 sq. meter within and periphery of plant ( 600 no), in downward wind direction and along road sides etc. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department.
2. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed 2000 no of plants of fruit species like Kathal, guawa, munga etc as per choice of villagers shall be distributed to villagers . PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

**(H) Safety, Public hearing and Human health issues**

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
3. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
4. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
5. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
6. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
7. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

**(I) EMP & Corporate Environment Responsibility**

1. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

2. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
3. The proposed EMP cost is Rs. 135.25 Lakhs as capital and 36.55 Lakhs /year as recurring cost.
4. The proposed CER cost will be 12 Lakhs which will be incurred on skill training development programme.
5. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
6. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

**X. Miscellaneous**

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
2. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.
3. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing (if applicable ) and also that during their presentation to the Expert Appraisal Committee.
4. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
5. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their

amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.

5. **Case No 8733/2021 M/s Jupiter Hospital Projects Private Limited, Shri Ankit Thakkar, Director, Ring Road, Near Teen Imli Square, Dist. Indore, MP - 452020 Prior Environment Clearance for Expansion in Hospital / Nursing Home [Total Land Area – 18071.09 sqm., Total Built up Area (Existing) – 40723 sqm, Total Built up Area (Proposed) – 42207.76 sqm., Total Built up Area (Proposed) – 44001.78 sqm.] at Khasra No. 89/1/1, 89/1/2, 90/1, 91/3, 97/2, 91/2, 89/1/3, 92/2/1, Village - Chitwad & Plot No. 2, Ring Road, Yojna No. 94, Sector-1, Tehsil & Dist. Indore, (MP). Env. Consultant: M/s Creative Enviro Services, Bhopal.**

This is case of Prior Environment Clearance for Expansion in Hospital / Nursing Home at Khasra No. 89/1/1, 89/1/2, 90/1, 91/3, 97/2, 91/2, 89/1/3, 92/2/1, Village - Chitwad & Plot No. 2, Ring Road, Yojna No. 94, Sector-1, Tehsil & Dist. Indore, (MP) Total Land Area – 18071.09 sqm., Total Built up Area Existing – 42207.76 sqm., Total Built up Area Proposed – 44001.78 sqm. Cat. 8(a) Building Construction Project.

The case was scheduled in 522<sup>th</sup> meeting dated 27/10/2021 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation.

The case was scheduled again for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 527<sup>th</sup> meeting dated 12/11/21 & 522<sup>th</sup> meeting dated 27/10/2021. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented by Env. Consultant Shri Mukesh Kaore from M/s. Creative Enviro Services, Bhopal and their representatives on behalf of PP. Wherein PP submitted that this is a case of expansion. At present Existing Built-area is 40723 sqm for Nursing Home & hospital & Total Built-up area after expansion 42207.76 sqm .

**Salient Features of the Proposed Project:**

- The Jupiter Hospital Project Pvt. Ltd. is located at Khasra No. 89/1/1, 89/1/2, 90/1, 91/3, 97/2, 91/2, 89/1/3, 92/2/1 Village Chitawad & Plot No. 2, ring Road, Yojna No. 94, Sector-1 Tehsil/District Indore. Land Area- 18071.09 sqm. The permitted Built-up area – 42207.76 sqm as per the EC.
- Total built-up area is between 20000 sqm & 150000 sqm and plot area is less than 50 ha., therefore the project comes under category (B) for project activity 8(a) of schedule of EIA Notification, 2006.
- Earlier the name of the Hospital was Vishesh Diagnostics Pvt. Ltd. and the prior EC has been granted by MP SEIAA vide letter No. 119 dated 02/05/2016 (case No. 4965) to Vishesh Diagnostics Pvt. Ltd. later on Vishesh Diagnostics Pvt. Ltd. has entered into business agreement within Jupiter Hospital Projects Pvt. Ltd. Therefore the EC has been Transferred in Name of M/s Jupiter Hospital Projects Pvt. Ltd by MPSEIAA vide letter No. 5548 dated 06/01/2021.
- In view of the present scenario and to increase the health care facility in the vicinity M/s Jupiter Hospital Projects Pvt. Ltd. is proposing to increase the height of the Hospital Building and increasing the existing bed capacity, the details of existing & expansion are as follows:
- As per the existing Hospital, present built-up area is of 40723 sqm, which is less than mentioned in the EC i.e. 42207.76 sqm, we are proposing to construct additional floor (8th floor) of 1484.76 sqm which is accounted within the area permitted / approved built up area as per EC.
- 
- The existing floor area calculation are as follows:

Floor Level	Area in sqm
Basement -2	6908
Basement -1	7861
Ground Floor	3095
<b>Hospital Building</b>	
First Floor	2841
Second Floor	3163
Third Floor	3248
Service Floor	1979
1 <sup>st</sup> Typical	1995

2 <sup>nd</sup> Typical	1995
3 <sup>rd</sup> Typical /Birthing	1995
JCI Floor/Terrace	1995
Hostel Building	
Ground floor	608
First floor	608
Second floor	608
Third floor	608
Fourth floor	608
Fifth floor	608
<b>Total floor area</b>	<b>40723</b>

- Total Land Area = 18071.09 sqm
- Existing Built-area – 40723 sqm for Nursing Home & hospital
- Proposed additional Built-up area = 1484.76 sqm
- Total Built-up area after amendment – 42207.76 sqm (same as permitted in EC) Existing Nos of Beds – 200 Nos.
- Proposed Nos. of Beds – 400 Nos.
- The increase in built up area is only in the 8<sup>th</sup> floor.
- The existing height of the building is stilt +24m comprises of 7<sup>th</sup> Floor and terrace, the proposed additional floor of 1484.76 sqm area to be constructed on the terrace, so the ultimate height of the building after expansion will be Ground + **28.9m**
- The other building of guest house will be remains same with G+5.

### Comparison between Existing and Proposed Expansion

Particulars	Existing	Proposed	Total	Remark
Bed Capacity	200 Nos.	200 Nos.	<b>400 Nos.</b>	The additional 200 Nos shall be accommodated in the proposed 8 <sup>th</sup> floor. The bed capacity will be increased in view current pandemic.
Fresh Water	270 kld	140 kld	<b>410 kld</b>	The source of water-Municipal Corporation Supply.

MSW	0.25 ton/day	0.25 ton/day	<b>0.50 ton/day</b>	At present the disposal of MSW is being done through Municipal Corporation disposal facility. After expansion the same shall be followed.
BMW	0.06 ton/day	0.06 ton/day	<b>0.12 ton/day</b>	For disposal of BMW we are the member of HOSWIN Incinerator Pvt. Ltd. Indore (CBWTF Operator) Certificate is enclosed.
Waste Water	162.00 kld	63 kld	<b>225 kld</b>	STP based on Fluidized Media Bio Reactor (FMBR) Technology of 250 m <sup>3</sup> /day capacity has been provided to handle the sewage generated after expansion.
Car Parking	8540 sq.m	1400 sq.m	<b>9940 sq.m</b>	Right from the beginning the car parking area is enough to cater extra load.
Building Height	Stilt + 24 mt	4.9 mt	<b>Stilt + 28.9 mt</b>	Increase in the height due to construction of additional 8 <sup>th</sup> floor.
Constructed area	40723 sqm	1484.76 sqm	<b>42207.76 sqm</b>	After expansion the built-up area will be as per previous EC.
Plantation area	1268.53 sqm	-	<b>1268.53 sqm</b>	Planted 500 Nos. of species

PP further submitted that as this is case of expansion, we have obtained the certified compliance of existing EC conditions from Regional Office MOEFCC Bhopal wherein no NC is reported and findings of the reports are as follows:

Conditions Status	Nos .
Complied	08
Agreed to Comply	32



Being Complied	48
Compliance in Progress	02
Not Applicable	10
Total Conditions	100

After presentation committee asked PP to submit following details:-

1. How much facility shall be shifted from 7<sup>th</sup> floor to 8<sup>th</sup> floor.
2. Solar power planning & contribution to power grid.
3. Current practice of BMW handling.
4. Revised plantation scheme & species as Kadamb, Molshree, Kachnar, Putranjiva etc. as suggested by committee with fencing status.

After presentation and submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for expansion for Construction of 8<sup>th</sup> Floor of area 1484.76 sqm and increase in the bed capacity of hospital from 200 Nos. to 400 Nos. Total Plot Area – 18071.09 sqm, Total Built Up area 42207.076 sqm after expansion in M/s Jupiter Hospital Projects Pvt. Ltd at Khasra No. 89/1/1, 89/1/2, 90/1, 91/3, 97/2, 91/2, 89/1/3, 92/2/1 Village Chitawad & Plot No. 2, ring Road, Yojna No. 94, Sector-1 Tehsil Indore District-Indore, Cat. 8(a) subject to the following special conditions:

### **Statutory Compliance**

- i. The project proponent shall obtain all necessary clearances/permissions from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- iii. The project proponent shall obtain 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.

- iv. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- v. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- vi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- vii. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- viii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.
- ix. The project area shall be secure through boundary wall and excavated top soil shall not be used in filling of low lying area. The top soil shall be used for greenery development.

## **II. Air Quality Monitoring and preservation**

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF & CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. 02 DG sets (2 x 1000 KVA) are as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.

- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from 02 DG sets (2 x 1000 KVA) shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

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

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii. The total water requirement during operation phase is 410 KLD out of which 245 KLD is fresh water requirement and 165 KLD will be wastewater to be generated. The wastewater will be treated in STP (MBBR technology) of capacity of 250 KL and 165 KLD will be the total recovered treated water, out of which 55 KLD will be recycled for flushing and 100 KLD water will be used for HVAC Demand 10 KLD water will be used for Irrigation / horticulture. The surplus treated water will be discharged to Public sewer.
- iv. The existing bed capacity of the Hospital is 200 Nos. and proposed bed capacity will be 200 Nos. thus after expansion total bed capacity of Hospital will be 400 Nos.

- v. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.
- vi. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vii. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- viii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- ix. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- x. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- xi. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xii. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xiii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total fires water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiv. For rainwater harvesting, 04 recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits is @ 79 m<sup>3</sup>/ pit .
- xv. Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.

- xvi. The RWH will be initially done only from the roof top. Runoff from green and other open areas will be done only after permission from CGWB.
- xvii. All recharge should be limited to shallow aquifer.
- xviii. No ground water shall be used during construction phase of the project.
- xix. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xx. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The recorded shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring report.
- xxi. Sewage shall be treated in the MBBR based STP (Capacity – 250 KLD). The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening.
- xxii. The waste water generated from the project shall be treated in STP of 250 KLD capacity (based on MBBR based technology) and then reused for various purposes. No water body or drainage channels are getting affected in the study area because of this project.
- xxiii. No sewage or untreated effluent water would be discharged through storm water drains.
- xxiv. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxv. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

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

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitoring during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

- iii. Acoustic enclosures for DG sets, noise barriers for ground run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

**V. Energy Conservation measures.**

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured, Building in the State which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv. Energy Conservation measures like installation of CFLs/LED's for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v. Solar, wind or other renewable energy shall be installed to meet electricity generation equivalent to 2 % of the demand load or as per the state level /local building bye-laws requirement, which is higher.
- vi. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

**VI. Waste Management**

- i. Total waste 500 Kg/day, this consist all types of wastes (as Organic waste 400 Kg/day and non- organic waste 100 Kg/day), all type of waste shall be treated/ disposed off as per provision made in the MSW Rules 2016, E-Waste (M&H) Amendment rule , 2010 & Battery (M&H) Amendment rule , 2010.
- ii. BMW waste 120 Kg/day will be generated
- iii. Hazardous waste as used oil - 1000 liter/ year and oil filters – 25 nos. these all type of Hazardous waste shall be disposed of as per HWM rule - 2016 or sold to authorizes recyclers.
- iv. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.

- v. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- vi. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (2.081 ton/day) shall be segregated into wet garbage and inert materials.
- vii. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- viii. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- ix. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- x. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- xi. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- xii. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

## VII. Green Cover

- i. Total 2168.53 m<sup>2</sup> (12 % of total plot area ) developed as greenbelt, by planting 550 Nos. of plant and species.
- ii. Not tree can be felled/transplant unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

- iv. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- v. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stack plied appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

## **VIII Transport**

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.
  - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
  - b. Traffic calming measures.
  - c. Proper design of entry and exit points
  - d. Parking norms as per local regulation
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Total proposed Parking's arrangement for 371 ECS (in which 312 ECS for Basement parking, 50 for open parking)
- iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

## **IX. Human health issues**

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.



- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implementation.
- iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile, STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

**X. EMP & Corporate Environment Responsibility**

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated: 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The Environmental policy should prescribe for standard operating procedures to have proper checks and balance and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the Environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six monthly reports.
- iii. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. For Environment Management Plan PP has proposed 300 Lakh as capital cost & 50.0 Lakh/year as recurring cost.

vi. Under CER following activities were submitted by PP:

For Social Welfare (in terms of Physical activities)	Cost (in Rs.)
To provide free of cost treatment (Operation & Post Operation Care) to the infants having any heart problem irrespective of his financial status..	10.0 Lakh per annum
Total	10.0 Lakh

## XI. Miscellaneous

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

**6. Case No 8844/2021 M/s Aanuj Infra Projects Pvt. Ltd, Director Shri Aanuj Banka, F-10, Nandiyot Industrial Estate, Andheri Kurla Road, White Flower, Andheri East, Dist. Mumbai, Mah. - 400053 Prior Environment Clearance for Murrum Quarry in an area of 1.65 ha. (87,135 Cum per annum) (Khasra No. 499), Village - Rajauaa, Tehsil - Sagar, Dist. Sagar (MP). RQP Ms. Nikita Prajapati and Mr. Sishupal Verma**

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 499), Village - Rajauaa, Tehsil - Sagar, Dist.

Sagar (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented RQP Ms. Nikita Prajapati and Mr. Sishupal Verma on 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 for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 1709 dated 25/11/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.65 ha., including this mine.

During presentation PP submitted that since it is a Murrum Quarry where no drilling & blasting is proposed. Mining shall be done through Opencast Semi Mechanized Method. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
16 Trees	Within lease	NW	Tree management
Habitation	19 & 88	W & NE	Maintain setback 79 m and 12m
Kachha Road	10	SW	Set back of additional 40 m & three rows of Plantation.
Pucca Road	72	NW	three rows of Plantation.

After presentation the committee asked to submit following details:

- Revise surface map showing appropriate set back wrt kachha road and habitation as per policy decision taken by SEIAA meeting 694<sup>th</sup> dated 26.11.2021 and issued vide no. 2590 dated 14.12.2021.
- Dense plantation scheme in the non- mining area.
- PP commitment that no tree felling is proposed.
- Revised plantation scheme & species as suggested by committee.
- Revised EMP with budgetary provision of additional plantation.

PP has submitted the response of above quarries same date vide letter dated 15.12.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC

subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum – 87,135 Cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.08.44 Lakh as capital and Rs. 02.19 Lakh/year.
3. As proposed, a minimum of 2000 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

For Social Welfare (in terms of Physical activities)	
Particulars	Amount
▪ Distribution of 300 fruits bearing & fodder trees (to 250 household ) like lemon grass, Imli, Ketha, amla, Kathal, Munga, Papaya and Mango etc to villagers of Amet for planting.	10,000/-
▪ Distribution of Masks (1200nos for 300 household & avg population 1300nos) and Sanitizers (300 nos ) to villagers of Amet due to Covid-19.	15,000/-
▪ Organizing Climate & oral health awareness program in village Amet.	10,000/-
▪ Installation of one blackboard & distribution of stationary & utensils in village aanganwadi kendra of amet along with whitewash of its building.	15,000/-
<b>Total</b>	<b>50,000/-</b>

7. **Case No 8845/2021 M/s Sainik Industries Pvt. Ltd, Shri Litesh Jha, Authorized Person, 201-202, Vikash Plaza, Building No. 2, Local Shopping Centre, Kalkaji, New Delhi - 110019 Prior Environment Clearance for Sand Quarry in an area of 2.350 ha. (21000 Cum per annum) (Khasra No. 995, 1003, 1008), Village - Shikarganj, Tehsil - Rampur Nakin, Dist. Sidhi (MP) RQP Ms. Nikita Prajapati and Mr. Sishupal Verma**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 995, 1003, 1008), Village - Shikarganj, Tehsil

- Rampur Nakin, Dist. Sidhi (MP) 2.350 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented RQP Ms. Nikita Prajapati and Mr. Sishupal Verma on 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 for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 497 dated 22/06/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area. During presentation it was observed that this is a is Khodu Bharu sand mine wherein sand deposited due to flooding of River Sone. It was also observed that within lease in the 80 % area is covered with vegetation cover particularly in the centre part and in the east and west part of the lease. After presentation the committee asked to submit following details then after this case shall be further considered:

- Revise inventory of all existing trees with their girth and height details and if any tree is to be uprooted, then its management plan.
- Area occupied by trees shall also be considered as non mining area based on the tree inventory as above.
- A natural drain is crossing the lease hence, 50 m setback and tree occupied area shall be non- mining area which is about (1.0438ha.).

**8. Case No 8797/2021 Shri Kumer Singh S/o Shri Vikram Singh Mewada, Village - Konta, Tehsil - Mo. Badodiya, Dist. Shajapur, MP - 465339 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (6027 Cum per annum) (Khasra No. 1274/1), Village - Barigaon, Tehsil - Gulana, Dist. Shajapur (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1274/1), Village - Barigaon, Tehsil - Gulana, Dist. Shajapur (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was scheduled in the 531 SEAC meeting dated 06-12-21 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. Committee decided to call the PP in subsequent meetings.

The case was presented by RQP Shri Ram Vishal Shukla on 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, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 1127 dated 21.09.2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. As per Google image based on online KML file uploaded by PP, it was observed that slight mined out area PP submitted that OB has removed and shown on surface map, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Natural drain	Adjoining & 60	North & SW	Setback of 50 m showing with provision of Garland drain & settling tanks.
Nallah	200		As Ekal certificate

presentation the committee asked to submit following details:

- Revised surface map showing setback of 50 m wrt natural drain.
- PP's commitment that plantation, barrier zone and evacuation route and in the village shall be carried out within 01 year.
- Revised Plantation scheme as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 16.012.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 6,027 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.14.09 Lakh as capital and Rs. 03.23 Lakh/year.

3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

Activities	Cost (in Rs.)
<ul style="list-style-type: none"><li>Whitewash and maintenance of 3 rooms door &amp; windows in Government Secondary School of Barigaon village</li></ul>	50,000
<ul style="list-style-type: none"><li>20 shady tree like Neem, Kadamb, Kachnar, Bahunia etc. saplings for Government Secondary School of Barigaon village along the boundary wall.</li></ul>	5,000
<b>Total</b>	<b>55,000/-</b>

**9. Case No 8798/2021 Shri Kumer Singh, Onwer, Village - Konta, Tehsil - Mo. Badodiya, Dist. Shajapur, MP - 465339 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (6027 Cum per annum) (Khasra No. 100/2), Village - Barigaon, Tehsil - Gulana, Dist. Shajapur (MP) RQP Shri Ram Vishal Shukla, Bhopal .**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 100/2), Village - Barigaon, Tehsil - Gulana, Dist. Shajapur (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was scheduled in the 531 SEAC meeting dated 06-12-21 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. Committee decided to call the PP in subsequent meetings.

The case was presented by RQP Shri Ram Vishal Shukla on 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, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 1126 dated 21/9/21 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 4.0 ha., including this mine. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Road	75	West	Protection plan & three rows of Plantation towards road side.
Kachha Road	18	SW	22 m set back & three rows of Plantation.
Habitation	125 & 500	South-west & SE	Protection plan & three rows of Plantation towards road side.

After presentation the committee asked to submit following details:

- Revise surface map showing with appropriate set back wrt kachha road as per policy decision taken by SEIAA meeting 694<sup>th</sup> dated 26.11.2021 and issued vide no. 2590 dated 14.12.2021.
- PP's commitment that plantation, barrier zone and evacuation route and in the village shall be carried out within 01 year.
- Revised Plantation scheme as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 16.012.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 6,027 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.10.51 Lakh as capital and Rs. 03.23 Lakh/year.
3. As proposed, a minimum of 1500 trees shall be planted as per the submitted plantation scheme and .
4. Under CER following activities were submitted by PP:

Activities	Cost (in Rs.)
One computer, printer with table and one office table in Government Middle School of Barigaon village	60,000
<b>Total</b>	<b>60,000/-</b>



**10. Case No 8842/2021 Shri Dhirendra Pratap Singh Chouhan, Onwer, HIG-25, Shiv Vihar, Tilli Ward, Dist. - Sagar, MP - 470002 Prior Environment Clearance for Murrum Quarry in an area of 1.0 ha. (12261 Cum per annum) (Khasra No. 1065), Village - Shahpur, Tehsil - Sagar, Dist. Sagar (MP) RQP Swati Namdeo**

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1065), Village - Shahpur, Tehsil - Sagar, Dist. Sagar (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented RQP Swati Namdeo on 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 for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 1643 dated 10/11/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. During presentation PP submitted that since it is a Murrum Quarry where no drilling & blasting is proposed. Mining shall be done through Opencast Semi Mechanized Method. As per Google image based on online KML file uploaded by PP, Around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Trees	Within lease	-	PP submitted these trees shall not be uprooted being case of Murrum,
Kachcha Road	Adjoining the lease	North	PP has left 50 m setback and shall be showed on the surface map.
Pucca road	290	NW	Three rows of plantation.
Habitation	410	North-West	Three rows of plantation.
Railway track	290	NW	Three rows of plantation.

During presentation, PP submitted that they have already left 50 m setback and showed on the surface map attached with presentation. After presentation the committee asked to submit following details:

- Revised plantation scheme & species as suggested by committee.
- Tree inventory.
- Revised CER as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 16.12.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum – 12,261 Cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.6.34 Lakh as capital and Rs. 1.17 Lakh/year.
3. As proposed, a minimum of 1200 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

Proposed activity	Amount (Rs.)
<ul style="list-style-type: none"><li>Establishment of Library @ 0.30 lakh.</li><li>Planting additional 80 Trees (Apart from proposed plantation scheme) @250rsps/Tree=0.20 lakh (with Earth Work and Organic Pesticides) in Govt. Middle school situated at Village Shahpur.</li></ul>	50,000
Total	50,000.00

**11. Case No 8843/2021 Shri Arun Mangal S/o Shri Rajendra Prasad Mangal, Near Axis Bank, Shivpuri Road, Dist. Sheopur, MP - 476337 Prior Environment Clearance for Soil Quarry in an area of 1.692 ha. (4200 Cum per annum) (Khasra No. 1021/1, 1021/2, 1021/3), Village - Nagda, Tehsil - Sheopur, Dist. Sheopur (MP) RQP Swati Namdeo, Bhopal.**

This is case of Soil Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1021/1, 1021/2, 1021/3), Village - Nagda, Tehsil - Sheopur, Dist. Sheopur (MP) 1.692 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented RQP Swati Namdeo on behalf of PP stated that it is soil quarry where no drilling and blasting is proposed. 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 for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 9729 dated 09/11/2021 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, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Trees	Within lease	-	PP submitted these trees shall not be uprooted being case of soil.
Pucca road	20	N	Left setback of 30 m & three rows of plantation.
Industrial Sheds or isolated house	18 & 43	N&NW	soil quarry where no drilling and blasting is proposed & three rows of plantation.

During presentation, PP submitted that they have already left 50 m setback and showed on the surface map attached with presentation. After presentation the committee asked to submit following details:

- Commitment that no kiln shall be erected within lease area.
- Commitment that no tree felling is proposed.
- Revised surface map showing setback of 50 m wrt pucca road.
- Revised plantation scheme & species as suggested by committee.
- Revised CER as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 16.12.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Soil 4,200 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.7.4 Lakh as capital and Rs. 1.11 Lakh/year.
3. As proposed, a minimum of 2100 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

Proposed activity	Amount (Rs.)
<ul style="list-style-type: none"> <li>Establishment of Library @ 0.30 lakh.</li> <li>Planting additional 80 Trees (Apart from proposed plantation scheme) @250rps/Tree=0.20 lakh (with Earth Work and Organic Pesticides) in Govt. Middle school situated at Village Shahpur.</li> </ul>	50,000
Total	50,000.00

**12.Case No 8839/2021 M/s Shri Sawariya Mines, Shri Pankaj Patidar, 102, Tipun Tower, Scheme No. 71, Dist. Indore, MP - 453441 Prior Environment Clearance for Stone Quarry in an area of 1.416 ha. (Stone - 26025 Cum per annum, Murrum - 2049 Cum per annum) (Khasra No. 998, 999/2), Village - Ambachandan, Tehsil - Mhow, Dist. Indore (MP) RQP Mr. Satish Deolkar.**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 998, 999/2), Village - Ambachandan, Tehsil - Mhow, Dist. Indore (MP) 1.416 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented RQP Mr. Satish Deolkar on 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 for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 1969 dated 17/08/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.016 ha., including this mine. PP submitted that in the south side where lease is narrow shall be dealt as non- mining area in this area 01 tree and a dug well is located. During presentation as per Google image based on coordinates provided by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca road	42	East	Left setback of 08 m & three rows of plantation.
Pucca road	260	South	Three rows of plantation.
Tree & dug well	Within lease	South	PP submitted this area shall be dealt as non mining area .

After presentation the committee asked to submit following details:

- Revised map showing setback of 08 m wrt road & non- mining area where lease is narrow.
- Revised plantation scheme & species , remove Peepal , Amrud & Bargad and add species like Katang Bans, Chandan as suggested by committee.
- Revised EMP with removing of proposal of grazing land as no grazing land is available.
- Revised CER add proposal for 02 news paper subscription in a village school for 01 year , and proposal for study tour in the Janapav & Badgonda Forest nursery for the school children as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 16.12.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone – 26,025 Cum per annum, Murum - 2049 Cum per annum .
2. A budgetary provision for Environmental management Plan of Rs.13.17 Lakh as capital and Rs. 3.08 Lakh/year.
3. As proposed, a minimum of 1700 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

sr,. No	Description	Cost to be Incurred	Effected village
1.	Computer desktop with printer and computer table and chair for School.	65,000.00	Village- AMBACHANDAN
2.	10no.Black Board ,middle class books and 3pc carom board, volleyball set ( as per school demand)	30,000.00	Three Village AMBACHANDAN,BADODA SINDH, BHAGORA
3.	Study tour Janpawa and Bagunda Nursery through forest department.	20,000.00	Ambachandan middle School.

4.	One year News Paper Subscription for School.	5,000	Ambachandan School.
	<b>Total</b>	<b>1,20,000.00</b>	

**13. Case No 8840/2021 Shri Salman Khan. Owner, Resi - Ward No. 9, Talab Mohalla, Dist. Raisen, MP - 464551 Prior Environment Clearance for Flag Stone Quarry in an area of 2.0 ha. (1500 Cum per annum) (Khasra No. 223, 225), Village - Parsora, Tehsil - Raisen, Dist. Raisen (MP) RQP Mr. Satish Deolkar**

This is case of Flag Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 223, 225), Village - Parsora, Tehsil - Raisen, Dist. Raisen (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented RQP Mr. Satish Deolkar on 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 for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 959 dated 25/10/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. PP submitted that earlier EC was given by SEIAA for Murrum while when they went for mining found that Murrum was not available / feasible while Flagstone was viable, after that PP applied for revised mining plan for Flagstone and the same was approved by the mining department in 08.03.2021 and now they come for EC for Flagstone mining. During presentation as per Google image based on coordinates provided by PP, around 500 meters following sensitive features were observed of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
08 Tree	Within lease	-	Inventory of the trees with girth, height & their management plan.
Pucca road	25	North	25 m setback as non mining area

After presentation the committee asked to submit following details:

- Inventory of the trees with girth, height & their management plan.
- Area occupied by trees shall be left as non mining area.
- Copy of CTO/CTE obtained from MPPCB.
- Photographs of lease area.
- Revised map showing 25 m setback as non mining area as.

PP has submitted the response of above quarries same date vide letter dated 16.12.2021, which was placed before the committee and the same found satisfactory. Committee observed that PP submitted commitment that existing trees within the lease will not be uprooted and area will be left as non mining area. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Flagstone 1500 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.17.78 Lakh as capital and Rs. 3.39 Lakh/year.
3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

Sr., No	Description	Cost to be Incurred	Effected village
1.	Water cooler for Primary School	45,000.00	FOUR VILLAGES - PARSORA, MUCHHEL, BIRHOLI, & MANPUR
2.	12no.Black Board ,middle class book sets ( as per school demand)	30,000.00	Three Village PARSORA, MUCHHEL, BIRHOLI

3.	Awareness camp a. Ground Water saving awareness programme ( Road show And training). b. Covid-19 and health awareness programme, Traffic Rule, Advance Agriculture practice.	20,000.00	FOUR VILLAGES - PARSORA, MUCHHEL, BIRHOLI, & MANPUR
	<b>Total</b>	<b>95000.00</b>	

**14. Case No 8732/2021 Shri Kanhaiyalal Parmar S/o Shri Bherulal Parmar, Ward No. 4, Kanad Agar, Dist. Agar Malwa, MP - 456441 Prior Environment Clearance for Stone Quarry in an area of 1.767 ha. (10104 cum per annum) (Khasra No. 142/1), Village - Arniya, Tehsil - Agar, Dist. Agar Malwa (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 142/1), Village - Arniya, Tehsil - Agar, Dist. Agar Malwa (MP). 1.767 Ha. The project requires prior EC before commencement of any activity at site.

The case was scheduled in 522<sup>th</sup> meeting dated 27/10/2021 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation.

The case was scheduled again for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 525<sup>th</sup> meeting dated 10/11/2021 & 522<sup>th</sup> meeting dated 27/10/2021. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

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



commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in SEAC meeting 525<sup>th</sup> meeting dated 10/11/2021 & 522<sup>th</sup> meeting dated 27/10/2021. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

**(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. The regulations of danger zone (500 meters) prescribed by Directorate General of Mines safety shall also be complied compulsorily and necessary measures should be taken to minimize the impact on environment.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and fenced from all around the site. Necessary safety signage & caution boards shall be displayed at mine site.
3. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
5. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
6. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
7. Crusher with inbuilt APCD & water sprinkling system shall be installed minimum 100 meters away from the road and 500 meters away from the habitations only after the permissions of MP Pollution Control Board with atleast 04 meters high wind breaking wall of suitable material to avoid fugitive emissions.
8. Working height of the loading machines shall be compatible with bench configuration.
9. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
10. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
11. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
12. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
13. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
14. To avoid vibration, no overcharging shall be carried out during blasting and muffle blasting shall be adopted. Blasting shall be carried out through certified blaster only and no explosive will be stored at mine site without permission from the competent authority.
15. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks (SS pattern) of suitable sizes shall be provided.
16. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
24. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
25. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora , fauna etc. Moreover, a separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
26. The project proponent shall follow the mitigation measures provided in MoEF&CCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
27. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
28. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
29. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.
30. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) or concerned DFO or any other suitable agency and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
31. Entire plantation proposed in barrier zone of lease area shall be carried out in the first year itself as per submitted plantation scheme and along the fencing seed sowing of Neem, Babool, Safed Castor etc shall also be carried out.
32. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
33. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.
34. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC 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". Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.
35. Adequate provisions of water for irrigating plantation shall be made by PP.
36. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

**Annexure- 'B'**

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

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Only registered vehicles/tractor trolleys with GPS which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4<sup>th</sup> or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
17. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights. All these facilities such as rest shelters, site office etc. Shall be removed from site after the expiry of the lease period.
18. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020 and these details should be provided in Annual Environmental Statement.
19. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.

23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
24. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
25. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
28. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
29. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.
30. Following conditions must be implemented by PP in case of sand mining as per NGT (CZ) order dated 19/10/2020 in OA NO. 66/2020 and SEIAA's instruction vide letter No. 5084 dated 09/12/2020.
  - i. The Licensee must use minimum number of poclains and it should not be more than two in the project site.
  - ii. The District Administration should assess the site for Environmental impact at the end of first year to permit the continuation of the operation.
  - iii. The ultimate working depth shall be 01 m from the present natural river bed level and the thickness of the sand available shall be more than 03 m the proposed quarry site.
  - iv. The sand quarrying shall not be carried out blow the ground water table under any circumstances. In case, the ground water table occurs within the permitted depth at 01 meter, quarrying operation shall be stopped immediately.
  - v. The sand mining should not disturb in any way the turbidity, velocity and flow pattern of the river water.
  - vi. The mining activity shall be monitored by the Taluk level Force once in a month by conducting physical verification.
  - vii. After closure of the mining, the licensee shall immediately remove all the sheds put up in the quarry and all the equipments used for operation of sand quarry. The roads/pathways shall be leveled to let the river resume its normal course without any artificial obstruction to the extent possible.
  - viii. The mined out pits to be backfilled where warranted and area should be suitable landscaped to prevent environmental degradation.
  - ix. PP shall adhere to the norms regarding extent and depth of quarry as per approved mining plan. The boundary of the quarry shall be properly demarcated by PP.
31. Species such as Khus Slips and Nagar Motha shall be planted on the river banks for bank stabilization and to check soil erosion while on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
32. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
33. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and

- fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.
34. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC 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”. Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.
  35. Adequate provisions of water for irrigating plantation shall be made by PP.
  36. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

**Annexure- ‘C’**

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

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

19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
24. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
25. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
26. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.
27. Species such as Khus Slips and Nagar Motha shall be planted on the nearby river banks for bank stabilization and to check soil erosion while dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
28. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) or concerned DFO or any other suitable agency and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
29. Entire plantation proposed in barrier zone of lease area shall be carried out in the first year itself as per submitted plantation scheme.
30. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
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 through forest department or on other community land available for grassland and fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.
33. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC 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”. Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.

34. Adequate provisions of water for irrigating plantation shall be made by PP.
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- ‘D’**

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

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
3. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
12. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
13. Grant of TOR does not mean grant of EC.
14. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
19. The EIA report should clearly mention activity wise EMP and CER cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.



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

- concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
- ✓ Commitment that high density plantation (preferably using “Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation through concern CCF (social forestry) or concerned DFO or any other suitable agency.
- ✓ Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
- ✓ PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
- ✓ Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, minimum 50 saplings be planted considering 80% survival.
- ✓ Adequate provisions of water for irrigating plantation shall be made by PP.

**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.