

The 514<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 21<sup>st</sup> September, 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 8382/2021 Divisional Manager, Vidisha Medical College, Sagar Road Near Bina, Bhopal Railway Line , Vidisha, Prior Environment Clearance for Construction of 750 Bedded Govt. Hospital & 150 Seated Medical College at Khasra No. 732/1, 736/1, 737/1, 738/1. 739/1, 740/1, 741/1 742/1, 743/1, 755/2, 756/2, 757/2, 758/2 [ Total Plot Area – 10.969 ha, Total Built-up Area - 63520.0 sqm) at Sagar Road near Bina - Bhopal Railway Line, Dist. Vidisha (MP) Cat. - 8(a) Building Construction Project. Env. Con. - OCEAO Enviro Management Solutions (India) Pvt. Ltd., Ghaziabad (U.P.).**

This is case of Environment Clearance for Construction of 750 Badded Govt. Hospital & 150 Seated Medical College at Khasra No. 732/1, 736/1, 737/1, 738/1. 739/1, 740/1, 741/1 742/1, 743/1, 755/2, 756/2, 757/2, 758/2, [ Total Plot Area - 109690.0 sqm, Total Built-up Area - 63520.0 sqm] at Sagar Road near Bina - Bhopal Railway Line, Dist. Vidisha (MP).

#### **Brief Summary of the project:**

Taking into consideration the growing medical needs of the people of District, the Government of M.P. (Health Deptt.) planned to construct Atal Bihari Vajpayee Government Medical College, Vidisha, located at Vidisha, M.P. The total cost of the project is approx. 300 Crores (including Intuitional part and Hospital component). The Medical College (medical college) includes hospital, residential, institutional. Project is of Health Department and the construction is undertaken by MPRDC. MPRDC had

already constructed “750 Bedded Hospital and 150 seated Medical college” project with a hospital, institutional and residential facility at Sagar Road Near Bina-Bhopal railway Line, Dist Vidisha, Madhya Pradesh.

- The total area for the Medical College with hospital is 10.969 ha i.e. 109690 sq.m as per land documents allotted by state Govt.
- The total area designated for Hospital as per T&CP is 9350 sqm.
- The total area designated for Institutional and the residential part is 1,00,340 sq.m.
- Built up area of the hospital building is 63520 SQ.M i.e. is greater than 20000 sq.m which attracts the EIA notification 2006 and its amendments thereof, therefore we are seeking an prior Environment Clearance for Hospital building only which have a built up area 63,520 sq.m including all FAR, Non FAR and other services and Medical college is attended with the sustainable features.
- As per notification 22nd December 2014 (S.O 3252 (E)) for 8(a) Building and construction projects in column 5, Note 1. states that The projects or activities shall not include industrial shed, school, college, hostel for educational institution, but such buildings shall ensure sustainable environmental management, solid and liquid waste management, rain water harvesting and may use recycled material such as fly ash bricks for EC.
- As per OM F.No. 19-2/2013-IA-III dated 9th June 2015 of MoEF&CC, in the second Para of clarification states that in case of medical universities/institutes the component of hospitals will continue to require prior Environment Clearance.
- Project Proponent had constructed the whole facility without seeking the prior environment Clearance hence the proposal for seeking Environment Clearance is post facto and tantamount to the violation of the EIA notification 14.09.2006 under EPA act 1986.
- Based upon the same the hospital was applied for the grant for TOR under the violation category proposals.
- The Layout was approved by T&CP vide letter dated 306-310 dated 12.02.2016 and the construction started after plans approval. The project was completed in 2020, i.e. 4 years of time span for construction.

### **Chronology of the project:**

- The proposal was submitted to MoEF&CC on 21.02.2018 for TOR as a violation case vide proposal no. IA/MP/NCP/72423/2018 which was in between the two

window periods. The proposal was lying pending with MoEF&CC. During review meeting held on 18.11.2020 for these type of pending proposals, the Violation sector, secretary, MoEF&CC decided to transfer these type of proposal to respective states. Proposal had been transferred to state i.e. SEIAA, M.P. vide letter F.No 19-90/2020-IA.III-Part(1) dated 1.03.2021 to take necessary action as per Ministry notification dated 14.03.2017. Henceforth, application has been submitted to SEIAA, MP SIA/MP/NCP/31840/2019 dated 17.03.2021 for further course of action.

- The comparative details are as follows for both the applications are mentioned below:

S. No	Proposal No date	Proposal name	Area Statement	Remarks
1.	IA/MP/NCP/72423 /2018 dated 21.02.2018	150 seats Medical College & 750 Beds Hospital at Vidisha (M.P) by MPRDC	Total Plot area – 10.967 Ha Built-up area – 1,16,470 sq.m	
2.	SIA/MP/NCP/31840/2019 dated 17.03.2021	750 Bedded Govt Hospital and 150 Seated Medical college by MPRDC	Total Plot area – 10.969 Ha Built-up area – 63,520.00 sq.m	<ul style="list-style-type: none"> <li>• The typo error of the plot area has been corrected in this application as per the land allotment by DC Vidisha.</li> <li>• The Built up area is reduced from the earlier application , as the proposal is considered for Hospital component only as per OM dated 9.06.2015 &amp; 22.12.2014 issued by MoEF&amp;CC.</li> </ul>

### **Salient Features of the Project**

S. No.	Description	Quantity	Units
<b>AREA DETAILS</b>			
1	Total plot area of Medical College	109690	Sq m
2	Total plot area of Hospital Building in VIDISHA Medical	9350	Sq m

	College		
3	Total Built Up Area (BUA) for Hospital Building	63520	Sq m
4	Green Area (30.40% of the total plot Area)	32907	Sq m
5	Max. height of building (up to terrace level )	22	M

## **WATER AND WASTEWATER REQUIREMENTS**

6	Total Water Requirement	653	KLD
7	Total Fresh Water Demand	331.5	KLD
8	Total Treated Water Demand	321.5	KLD
9	Wastewater/ Sullage Generation	362	KLD
10	STP capacity + ETP capacity	400 + 100	KLD
11	No. of Rainwater Harvesting Pits Proposed	10	No's

## **PARKING**

13	Parking Provided	425 ECS & 5 Ambulances dedicated parking	ECS
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## **POWER**

15	Total Power Requirement	5000	kVA
16	Total Transformers proposed	6	MVA
17	Total DG Set proposed	2 x 1250	kVA
18	Power Source	MP State Electricity Board	

Damage Assessment was carried out by NABET accredited consultant and based upon that the EMP measures following Remediation plan with natural resource and community resource augmentation plan was proposed for the approval:

Remediation Measures	Community Resource Measures	TOTAL Remediation Cost	TOTAL Community Resource Cost	Capital Cost	Recurring Cost
				BREAKUP	
<ul style="list-style-type: none"> <li>Baseline of the project Site</li> </ul>		147000	0	147000	0
<ul style="list-style-type: none"> <li>Enhanced Green belt to be developed with increase in number of trees. (500 nos.)</li> <li>Maintenance of the existing greenbelt.</li> <li>Grass paving the open parking surface for reducing PM10.</li> </ul>		200000	0	150000	50,000
<ul style="list-style-type: none"> <li>Tertiary level treatment provisions to be added to the existing STP plant.</li> <li>Appoint a supervisor for supervising and monitoring the STP arrangements.</li> <li>Installation of the spill trays and secondary containments for spill prevention and seepage of hazardous materials to runoff.</li> </ul>		125000	0	100000	25,000
<ul style="list-style-type: none"> <li>Maintenance of the operational machineries present in the site</li> </ul>		25,000	0	25,000	0
	<ul style="list-style-type: none"> <li>For maintenance &amp; Other in-house jobs - employment of 20 more people in upcoming year.</li> </ul>	0	240000	0	240000
	<ul style="list-style-type: none"> <li>Maintenance of the sulabh sauchalaya</li> </ul>	0	200000	0	200000

	• Trainings Policy documents preparation etc. Audits Planning	0	100000	100000	0
• SRI paints will be done to the fully exposed to open sky paved surfaces which do not have any partial shading to reduce the heat transmission load.		58,500	0	58,500	0
• Adequate PPE to the persons working very near to the machinery areas nearby		0	260000	250000	10,000
• Extra color coded dustbins will be provided for the waste collections nearby		60,000	0	50,000	10,000
• Used oil will be sent to the authorized recyclers – Agreement cost					
• Used oils from Kitchen will also be sent to the authorized recyclers – Agreement cost					
• Signboards and signage's will be Installed nearby or onsite					
• AMC OF fire fighting arrangements		98000	0	0	98000
<b>TOTAL</b>	<b>INR</b>	<b>713500</b>	<b>800000</b>	<b>880500</b>	<b>633000</b>
<b>Sum total</b>		<b>1513500/- INR</b>			

### **Remediation plan & Natural Resource Augmentation Plan Budget**

Since the construction activities of the project has already been completed in the year 2020. The budgetary provisions mainly focus the operation phase of the project where the amount/budgetary provision shall be accounted on the real grounds and can be implemented. The cost of the project is INR 200 Crore. The Cost for Remediation Plan, Natural & Community Resource Augmentation plan is INR 15,13,500 INR (Including capital and recurring ). The project proponent already had invested for EMP components mentioned under by providing STP, ETP, and planting trees of cost around 11.5 Crores.

The amount of 15, 13,500 INR in the form of Bank guarantee will be submitted to MPPCB for obtaining Environment Clearance.

**EMP Cost: Environmental Budgets-Operational Phase**

		<b>A. Capital Cost</b>	<b>B. Recurring Cost</b>
<b>S. No.</b>	<b>Item</b>	<b>Rs.</b>	<b>Rs/year</b>
<b>1.</b>	STP and ETP installation	10,00,00,000	600000
<b>2.</b>	Rainwater harvesting pits	1500000	25000
<b>3.</b>	Green belt development	150000	50000
<b>4.</b>	Acoustic enclosures	112500	0
<b>5.</b>	DG stack height	1256010	50000
<b>6.</b>	Solid waste segregation area	100000	50000
<b>7.</b>	Hazardous waste segregation area	100000	50000
<b>8.</b>	Solar Lightning	2000000	10000
<b>9.</b>	Liquid Oxygen plant	2000000	100000
<b>10.</b>	PPE	50000	10000
<b>11.</b>	Rain Basaira/crèche	3,60,00,000	200000
	<b>Total</b>	<b>143268510</b>	<b>1145000</b>

- Out of the 14.32 crore already 11.24 crore amount had incurred and implemented for the EMP. Remaining recurring costs will be incurred post operation of the project.

Earlier this case was scheduled for presentation and discussion in 493rd SEAC dated 23/03/2021 wherein ToR (violation) was recommended.

PP has submitted the EIA report vide letter No. 25924 dated 19/7/2021 which was forwarded through SEIAA vide letter no. 1514 dated 20/7/2021, which was placed before the committee.

The EIA was presented by PP and their consultant in the SEAC 506<sup>th</sup> meeting dated 09.08.2021. During presentation PP submits the following salient features of this project:

- Total plot area of VIDISHA Medical College – 10.969 Ha (27.1 acres) (medical college + hospital component). Total plot area of Hospital Building within VIDISHA Medical College - 9350 (2.31 acres).
- Location: Khasra No .732/1, 736/1, 737/1, 738/1, 739/1, 740/1, 741/1, 742/1, 743/1, 755/2, 756/2, 757/2, 758/1 at Sagar Road Near Bina-Bhopal Railway Line, District-Vidisha, Madhya Pradesh
- Built up area of the hospital building is 63520 sq.m. i.e. is greater than 20000 sq.m. which attracts the EIA notification, 2006 and its amendments thereof, therefore we are seeking an Environment Clearance for Hospital building only which have a built up area 63,520 sq.m. Including all FAR, Non FAR and other services and Medical college is attended with the sustainable features.
- The proposal is submitted to SEIAA/SEAC, Madhya Pradesh for grant of TOR under MoEF&CC notification 14.03.2017,18.03.2018 & 09.09.2020 as a lateral entry proposal.
- As per notification 22<sup>nd</sup> December 2014 (S.O 3252 (E)) for 8(a) Building and construction projects in column 5, Note 1. states that - the projects or activities shall not include industrial shed, school, college, hostel for educational institution, but such buildings shall ensure sustainable environmental management, solid and liquid waste management, rainwater harvesting and may use recycled material such as fly ash bricks for EC.
- As per OM F.No. 19-2/2013-IA-III dated 9<sup>th</sup> June 2015 of MoEF&CC, in the second Para of clarification states that in case of medical universities/institutes the component of hospitals will continue to require prior Environment Clearance.
- Maximum no. of proposed floors is Single Basement + G+6 with Building viz. Hospital Building, ESS & UGT, Guard room, STP & ETP, mortuary, incinerator and cancer units.
- Estimated cost of project is Rs. 200 Crores. (Hospital component only)

PP further submitted that construction of hospital has been completed and medical college is in operation, but no OPD is being carried out. During presentation there was no clarity that which part of the project is common in hospital and medical college and how the volume of



proposed facilities is calculated and whether the proposed systems are sufficient or not considering cumulative load. After presentation and deliberation it was observed by the committee that the remediation's plan and natural community resource augmentation plan submitted by PP needs to be revised as follows:

1. Natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation shall be bifurcated in capital and recurring cost of both the phases (construction & operation phase). No proposals are given for community resource augmentation plan. It should also be noted that all the compliance shall be supported by documentary proofs, such as bills, order copies of machineries, completion certificates, photographs, CA audit etc. In the absence of above supporting documents the proposed Natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation could not be assessed and needs to be presented again.
2. A detailed traffic management and traffic circulation plan is to be submitted considering traffic load of both hospital and Medical College. PP may also explore the possibility of providing vertical mechanical parking considering space constraints and battery operated carts for reducing number of individual vehicles within project boundary.
3. Dual plumbing system Plan with relevant photographs should be submitted.
4. All maps shall be submitted on bigger size sheet so that proposed plans are legible.
5. Justify, 37.5 KLD water is proposed for horticulture, where horticulture is proposed?
6. There shall be clarity in backup calculations that which part of the project is common in hospital and medical college and how the volume of proposed facilities is calculated and whether the proposed systems (ETP, STP, Laundry, OT waste, mortuary waste, MSW storage etc) are sufficient considering cumulative load. Thus revised backup calculations of all the demand such as fresh water, generated waste water etc shall be submitted considering both the medical college and hospital as one project. If medical college has separate facilities then the same shall be detailed out.
7. Justify the criteria for selection of MBBR technology for waste water treatment.
8. Details of hazardous wastes generated and their disposal plan.
9. Why classification of fauna not done? Please submit fauna classification.
10. Value of PM10 is above prescribed standards thus its mitigation plan shall be submitted.
11. Details of laundry if proposed and its management plan should be submitted.
12. Why incinerator proposed in the project when copy of agreement made with facility provider is submitted for disposal of Bio-medical wastes. Please justify?
13. Copy of CGWB NOC should be submitted as proposed water supply partially by Ground Water.

14. Copy of fire NOC and location of fire hydrants on map and fire tender circulation plan should be submitted.
15. Why classification of flora and fauna has not been done. (Peafowl is mentioned in the EIA report).
16. Revised plantation scheme as suggested by committee during presentation (adding species such as Kadamb, Molshree, Kachnar, Putranjiva, Pride of india etc) and dense plantation (wood log preferably using “Miyawaki Technique”) shall be developed.
17. Details regarding fire safety should be provided along with layout plan of uninterrupted circular movement of fire tender(s).

PP vide their letter dated 06/09/2021 submitted query reply on Ministry’s Parivesh Portal as well as hard copy. Wherein PP has submitted that they have included all query and commitments made in the SEAC 506<sup>th</sup> meeting dated 09.08.2021, along with remediation plan along with natural resources and community augmentation plan with revised budget.

Today in 514<sup>th</sup> SEAC meeting dated 21/09/21, query reply was presented by the PP and their consultant wherein committee deliberated on natural resources and community augmentation plan with revised budgetary allocations and other queries raised in the SEAC 506<sup>th</sup> meeting dated 09.08.2021. During discussion, PP submitted that as suggested by the committee they have revised the calculations of various requirements, submitted copies of required NOC’s as follows:

- Total parking provided for the Medical campus including the residents, staff and visitors and public use i.e 444 ECS for Four wheelers and 814 Two wheeler parking.
- The breakup of the parking details along with the plan with areas of parking earmarked.
- The project is a Govt. initiative with a limited sanctioned budget for increasing the medical facility in the area. There is adequate parking provided for catering the parking needs. Hence, the proposal for the vertical parking will not be techno economic viable.
- Dual Plumbing has been implemented in the project site. Wastewater line and treated water line has been laid down.
- The recycled treated water is thus reused for the flushing purposes and Landscaping for the minimization of the fresh water requirement.
- Brief Write-up for the selection of the MBBR technology for wastewater treatment. Technology. Presently the STP of 400 KLD and ETP of 100 KLD had already been installed.
- PP has applied to CGWA vide letter dated 13.07.2015 acknowledgement attached.
- Fire NOC has been obtained vide letter no 6100000018/FNOC/COL/2021/9416 dated

29-Jan-21.

- Recommended plantation species such as Kadamb, Molshree, Kachnar, Pride of India etc. will be developed within or outside the periphery of the project site.

**The revised proposed budgetary plan is given below:**

Summary of the Remediation Budgetary plan					
S. no	Particulars	Phase	Capital	Recurring	
1	Remediation plan cost	Construction phase	0	324400	INR
2		Operation Phase	406500	200000	INR
	Natural Resource and Community Augmentation cost	Natural Resource	482750	100000	INR
3		Community Augmentation			
		TOTAL Cost	889250	624400	INR
<b>TOTAL Budget Implemented (Bank Guarantee amount)</b>				<b>15,13,650</b>	<b>INR</b>

**DURING CONSTRUCTION PHASE**

S.N o.	Environmnet Aspects	Remediation / Mitigation Measures already adopted	Cost Analysis	Capital cost (INR)	Recurring (INR)
1	Land Use	NA	NA	0	0
2	Baseline	Not adopted any measures	<p><b><u>Total : 324400/-</u></b></p> <p><b><u>The cost will be considered for 4 years</u></b></p> <p>1. AAQ -2 samples per year 24 hourly sampling project site half Yearly= 4000/-*2 =8000/-</p> <p>2. WQ -2 samples per year Drinking water sample half yearly = 3500/-*2 = 7000/-</p> <p>3. NQ 2 samples per year day and night at</p>	0	324400

			<p>the project site per half year = 1800/- *2=3600/-</p> <p>4. SQ 2 samples per year from the project site = 3500/-*2=7000/-</p> <p>5. DG Stack analysis = 3500/-</p> <p>6. 12 samples in a year ETP/STP inlet and outlet sampling = 12*3500/- = 42000/-</p> <p>6. Lab equipments mobilisation &amp; TA/DA = 10000/-</p>		
3	Air Environment	<p>a. Site was enclosed with barricade along the project boundary.</p> <p>b. Water sprinkling was done.</p> <p>c. Transportation of construction material and excavated earth was done through covered trucks.</p> <p>e. Roads leading to project site were paved.</p> <p>f. Speed of the vehicles was restricted (20 kmph) within project site.</p> <p>g. Tree plantation initiated from construction phase.</p> <p>h. Proper Maintenance of construction equipment/ machineries, etc</p>	<p><b><u>Total : 6,43,000/-</u></b></p> <p>Dust Suppression 1000 Rs per tanker x 2 tankers/week x seven months x 3 years = 168000/-</p> <p>Barrication = 1500 m x 250 Rs /m = 375000/-</p> <p>temporary Pavement of Roads = 100000 /-</p>	0	0
4	Water Environment	<p>a.Site was supplied by the fresh water from nearby drinking source .</p> <p>b. STP water treating the IS standards for construction was used for curing and other construction purposes</p> <p>c. Pits were made to store the RW during construction and used for construction</p>	<p><b><u>Total: 6,48,000/-</u></b></p> <p>Purchase of drinking water @ 7.5 LPCD for 300 workers x 300 days x 4 years = <b>540000/-</b></p> <p>Testing of drinking water =48000/-</p> <p>Wastewater disposal @</p>	0	0

		d. Storage of bituminous material on the hard paved surface so that nothing can form leachate e. Septic tanks with soak pits formed for the labour camps	6 TANKERS/YR X 2500/tanker for four years = 60000/-		
5	Noise Environment	a. Site was enclosed with barricade along the project boundary. b. PPEs were provided to labor exposed to high intensity noise level. c. Acoustically enclosed DG sets were used. d. Tree plantation initiated from construction phase.	<b><u>Total : 200000/-</u></b> Noise breakers during construction phase = cost already considered above Health Checkup during Construction phase @ 50000/- per camp = 200000/-	0	0
6	Soil Environment	a. Construction yards were provided for storage of construction material within site. b. Top soil was stored at site and used for landscape development. c. Excavated soil (40000 MT) was utilized for refilling at project site. Surplus soil was backfilled. d. Erosion controls have been adopted	<b><u>Total: 50000/-</u></b> Top Soil Management = 50000/-	0	0
7	Waste Management	Approx. .150 kg/ day of organic waste, non-biodegradable waste 70 kg & biodegradable Waste = 150 kg/day was given to Municipal authorities	<b><u>Total:100000/-</u></b> Disposal of solid waste during construction phase = 100000/-	0	0
8	Ecological Environment	a. No forest land involved & tree cutting is involved - NOC,s obtained b. No Ecosensitive area present nearby the project site	NIL	0	0

9	Socio economic environment	<p>1. Local 250 No labours were hired and 50 outside labours.</p> <p>2. Hutments ,cooking facilities,electricity,water ,sewerage,medical and creche facilities provided</p> <p>3. No accidents happened during construction of the building</p> <p>4.All the labour compliances were fulfilled by the contractor</p>	<b><u>Total: 150000/-</u></b> Labour Welfare i.e Rest shelters,camps,toilets ,canteen (Lumpsum) = 4 years	0	0
10	Topography and Natural Drainage	<p>1. No natural water body present at the site</p> <p>2. Levelling was done to maintain the gradient of the flow of the stromwater and the wastewater inline to the natural slope to minimise the energy consumption.</p>	NII	0	0
Total					3,24,400

**Summary of the construction phase of Remediation plan**

<b>a</b>	<b>Total cost already incurred under heads (1+3+4+5+6+7+8+9+10)</b>	<b>17,91,000/- (seventeen Lakhs Ninety One thousand only)</b>
<b>b</b>	<b>Total Cost to be incurred under heads (2)</b>	<b>3,24,400/- (Three lakhs twenty four thousand four hundred only)</b>

**During Operational Phase**

<b>S. No .</b>	<b>Environment Aspects</b>	<b>Components covered under Aspects</b>	<b>Environment Impacts</b>	<b>Remediation / Mitigation Measures to be adopted</b>	<b>Cost Analysis</b>	<b>Capital cost (INR)</b>	<b>Recurring (INR)</b>
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1	Air Environment	1. Emission from vehicular traffic in use. 2. Power generation by DG Set during power failure.	Air Pollution & Air quality degradation	1. Enhanced Green belt to be developed with increase in number of trees. 2. Maintenance of the extra trees to be planted 3. Grass paving the open parking surface for reducing PM10.	Cost of trees to be planted in next 5 years: Total 500 trees including maintenance; 100 per year @ 300/- per tree = 1,50,000/-	120000	30000
2	Eco-sensitive settlements , R&R issues , Land acquisition	1.R&R 2.Land Acquisition 3.Litigations 4.Ecosensitive area	No such issues identified	NA	NA	0	0
3	Water Environment	1. Discharge of sullage of Hospital and medical college to STP. 2. Treatment of hospital effluent to ETP 2. Natural resource depletion 3. Minimization of freshwater requirement. 4. Rain water harvesting 5. wastewater treatment	Water Pollution & Water quality degradation	1. Adoption of abundant 2 No. bores or well nearby to convert to artificial recharge structures	Adoption of abandon 2 No. bores or well nearby to convert to artificial recharge structures including Maintenance = 50000/- * 2 No	100000	20000

4	Ecological Environment	Flora and Fauna ,Green belt development	Ecology & Biodiversity imbalance	Additional 500 trees proposed .Refer section 1	Distribution of saplings to nearby farmers @10 sap (INR 40 per sap) per farmer to 50 farmers * 3 years		60000
5	Noise Environment	1.Noise from vehicle movements 2.Operation of DG sets	Noise Pollution	Health Checkup camp Once a year in the nearby rural area within 10 km radius	Health Checkup camps = 50000/- per year for two years	50000	50000
6	Socio economic environment	Demographic s of the local region Existing social infrastructure effect on local communities	Socio-economic status	NIL	0	0	0
7	Soil Environment	1. Municipal solid waste 2.used oil from D.G. sets	Soil Contamination	1. Additional Dustbins to be provided in the nearby rural areas 2. Distribution of Manure to Nearby agricultural farmers.	1. Distribution of Manures to nearby Farmers @ 10000/- Rs per Year for five Years = 50000/-	10000	40000
8	Aesthetics	1. Scenic views/Orientation of the project w.r.t local area	Natural beauty damage	Project had been designed beautifully to increase the aesthetic value of that area. The project includes state of art materials and its design helps to improve the scenic views	NIL	0	0



9	Energy Conservation	<ol style="list-style-type: none"> <li>1. Use of Renewable and non renewable energy</li> <li>2. Energy savings with different technologies</li> <li>3. Other sustainable practices</li> </ol>	Climate Change & other unsustainable conditions	<ol style="list-style-type: none"> <li>1. SRI paints will be done to the fully exposed to open sky paved surfaces which do not have any partial shading to reduce the heat transmission load.</li> </ol>	<ol style="list-style-type: none"> <li>1. SRI Paints @ Rs 585 /Litre x 100 Liters = 58500/-</li> </ol>	58500	0
10	Waste management	<ol style="list-style-type: none"> <li>1. Solid waste generation</li> <li>2. Solid waste management</li> <li>3. Hazardous waste management</li> </ol>	Land, Air and water pollution	<ol style="list-style-type: none"> <li>1. Extra colour coded dustbins will be provided for the waste collections</li> <li>2. OWC will be installed to manage the organic waste in-house</li> <li>3. Used oil will be sent to the authorised recyclers</li> <li>4. Battery waste and other e-waste will be consideration for bye back policy</li> <li>5. Used oils from Kitchen will also be sent to the authorised recyclers</li> <li>6. Signboards and signage's will be</li> </ol>	<ol style="list-style-type: none"> <li>1. Additional colour coded Dustbins 6 NO. in the nearby schools or other identified common place like sabji Mandi @ 3000/- per piece = 18000/-</li> </ol>	18000	0

				installed 7.It will be handed over to authorized processor.			
11	Environmental Accident or any Disaster Management	Fire fighting and Natural Disasters	Environment, Human Life Damage	NA	1. Deliberation of Fire Fighting Trainings or Drills in the rural community in conjunction with the local Fire commissioner of the area or Deliberation of Disaster management training in case of flood/ Earhquake in conjunction with the State Disaster Management Authority. (Lumpsum fees of Trainings)	50000	0
12	Pandemics	Oxygen Plants	Health impact due to Pandamic	NA	NA	0	0
<b>Total</b>						<b>40650 0</b>	<b>200000</b>

**Summary of the Operation phase of Remediation plan**

<b>a</b>	<b>Total cost under heads (1-16)</b>	<b>6,06,500/- ( Six lakhs Six thousand five hundred) INR</b>
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**Community Augmentation Plan**

<b>S.No.</b>	<b>Environment Aspects</b>	<b>Remediation / Mitigation Measures to be adopted</b>	<b>Cost Analysis</b>	<b>Capital cost (INR)</b>	<b>Recurring (INR)</b>
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1	Community Augmentation	1. Maintainence of the already existing sulabh sauchalaya . 2. Construction of additional Sulabh Sauchalaya nearby the railway station or any other identified public area. 3. Arrangement of the Health check-up camps in the nearby 1 villages in the radius of 15 km and provide free preliminary doctors advice in conjunction with the CMO of the area	Construction of additional Sulabh Sauchalaya nearby the railway station or any other identified public area. = 200000/- Maintainence of these toilets = 10000/- for five years	200000	50000
2	Community Augmentation	Trainings, Audits, Policy, Planning, documents preparation etc. Trainings, campaigns and awareness programs to nearby rural areas related to	Consultant/NGO/Trainer fees	50000	50000
3	Natural Resource	Installation of 5 No of Solar Lights in the school	5 Lights @ 16550/- per light in the near by Govt. School	82750	0
4	Natural Resource	Maintenance of Neemtal through soil conservation and stabilization, greening of embankment	Labour cost/plantation cost/ stabilization cost etc.	150000	0
			<b>Total</b>	<b>482750</b>	<b>100000</b>

**Summary of the community augmentation plan**

<b>a</b>	<b>Total cost under heads (1-4)</b>	<b>5,82,750/- Five Lakhs Eighty Two thousand seven hundred fifty only/-</b>
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During presentation PP submitted that initially, municipality has denied for providing fresh water for this project and thus they have applied for CGWB permission, but recently, they have agreed to supply fresh water for this project. During presentation it was observed by the committee that in spite of so many advises and suggestions in the SEAC 506<sup>th</sup> meeting dated 09.08.2021, still the proposal needs some clarifications which reflects casual approach for the

project appraisal. After presentation and discussions following information was asked to submit by PP:

1. Certificate of expenditure shall be signed and issued by Chartered Accountant in place of project coordinator.
  2. Documentary evidence that fresh water will be provided by Nagar Palika Nigam.
  3. Identify the location of bore well which is proposed to be recharged as the same is located outside of project boundary.
  4. Specify the name of village where plantation and CER activities will be taken up.
  5. Fund proposed in remediation plan for noise pollution may be diverted to other useful activities such as adopting wild animals (Tiger, Lion etc.) in Van-Vihar National Park, Bhopal and the dense plantation around Udaigiri caves at Vidisha and suitable proposal shall be submitted.
  6. PP's commitment that auditorium and TLCC (Cancer Block) now will not be constructed as area marked for these utilities is now shown as additional parking area in the revised layout.
  7. Submitted revised Fauna classification is inadequate and same shall be revised in line with existing working plan of Vidisha District or Biodiversity Board published by forest department.
  8. Add Neem tree in the plantation species.
  9. Bifurcation of inlet sources of 100 KLD ETP and 400KLD of STP waste water.
  10. Commitment that distribution of saplings to the nearby farmers will be completed in the first year.
2. **Case No. - 5808/2018 Shri Vidya Prakash Shrivastava, Proprietor, Indira Nagar, Dist. Rewa, MP Prior Environment Clearance for Laterite Quarry in an area of 10.433 Ha. (1,27,160 ton per annum) (Khasra No. 34) at Village- Dongariha, Tehsil - Simaria, Dist. Rewa (MP). EIA Consultant: M/s Central Institute of Mining and Fuel Research, Dhanbad.**

This is case of Laterite Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 34) at Village- Dongariha, Tehsil - Simaria, Dist. Rewa (MP) 10.433 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, District Survey Report, information of the leases within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office vide letter no. 9797 dated: 22/10/2018 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 426<sup>nd</sup> SEAC dated 27/02/2020 wherein ToR was recommended. PP has submitted the EIA report vide letter dated 26/7/21 which was forwarded through SEIAA vide letter no. 1615 dated 10/08/21 and the same was scheduled in the agenda.

The case was scheduled in 510<sup>th</sup> meeting dated 25/08/2021 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 EIA was presented by the Env. Consultant Dr. Mrinal Chakraborty from M/s. Central Institute for Mining and Fuel Research (CIMFR), Dhanbad and Mr. R. K. Choubey on behalf of PP. During presentation PP submitted that this is a case Laterite Quarry where no drilling & blasting is proposed. Mining shall be done through Opencast Semi Mechanized Method. The lease area is having one mound having rolling topography in all direction. Central portion of the lease area is a part of mound top where as remaining portion of the area is part of mound slope. Highest elevation of the lease area is 336 m. in central part where as lowest elevation of the lease area is 324 m. towards South and North direction. Difference between highest and lowest elevation is 36 m.

Rainy water follows natural slope direction. There 01 pit is existing in the area having Laterite formation. The depth of pit is varying from 2 to 5 m. The area experiences sub-tropical climatic conditions. Proposed mining will be carried out by opencast mechanized means using excavator/loader &, dumper combination at locations shown year wise plans and sections. Results of prospecting during past, exploratory work carried out and mineralization with safety measured from different aspects with Topography also brought into consideration for delineation of mineralization & choosing working block. Mining will be carried out by developing systematic, regular and separate benches mineral to achieve desired production. Haulage roads 6m wide will be laid at maximum 1: 16 gradient from surface (stack yard) to pit bottom at 325mrl within bye roads to faces of individual benches. Uniform one bench of 5m high will be developed (however sub benching will be done to facilitate jackhammer drilling if hard portion encountered during mining (for heaving purpose only). Separate sub benches will be maintained in different grades of minerals to facilitate blending. Width of benches will be as per DGMS requirements / not less than height where as mineral bench length will be as per production requirements.

During appraisal of case, it was observed by the committee that as per Google image based on coordinates provided by PP, human settlement is in existence the south & south –east direction of the lease and hence wrt. NGT order dated 21.07.2020, area where blasting is not proposed, minimum distance of 100 m is to be maintained from the residential house /settlement as non mining area. PP submitted that south area of the lease shall be left as non- mining area and as suggested by the committee here plantation of 12,000 trees and grazing lands will be developed. Moreover right to access shall be provided the villagers in the south side and north side passing within lease.

Committee further observed that there are several mistakes in the form-II submitted by PP. Since SEAC is appraising cases on the basis of documents and details uploaded online, thus all the mandatory information shall be precisely uploaded online for appraisal of case and to avoid unnecessary delay. After presentation committee asked PP to submit response on following issues and revised/updated information in Form-II, such as:

1. In point no.14.1- a. Base line data shown as 1.11.20 to 21.01.21 but enclosed report are of 02.02.21. Justify?
2. In point no.14.1- d. Justify maximum and minimum value of value of PM2.5 & PM10 .
3. In point no.14.6- Ground water table is shown as 12.0 m to 10.48m please confirm.
4. In point no.15-0 Copy of application submitted GW withdrawal.
5. In point no. 17- provides relevant information for solid waste generation/management.
6. In point no.32- no green belt plan attached.
7. In point no. 35 -10 . No top soil information provided, please justify.
8. Like that in point no. such as 16, 16.1, , 27, 35-3, 35-8, 35-9, 35-10, 35-13 etc., provided details are inadequate, please submit revise information.
9. Why life of mine is not calculated in EIA (Page/24).
10. Revise surface map showing non mining area as suggested by committee considering NGT order dated 21.07.2020 due to habitations and road.
11. Commitment that no blasting will be carried out.
12. Provide complete details of air quality modeling as suggested during presentation.
13. Under CER scheme with physical targets:
  - ✓ Activities such as solar panels & white wash in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation

(distribution of fruit & fodder bearing trees) in concerned village shall be proposed.

- ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under “Ujjwala Yojna” to them who are residing in the nearby villages, shall be considered.
- ✓ PP’s commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained by them.

14. Under Plantation Scheme with budgetary allocations:

- ✓ Comprehensive green belt plan as suggested by committee by adding native species 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 (such as Nimbu, Guawa, Sitaphal etc) shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.
- ✓ Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
- ✓ Commitment that high density plantation (preferably using “Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation by concerned CCF, Social Forestry Circle or concerned DFO or any other competent agencies.
- ✓ Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on the area left as non mining area which can be used by the nearby villagers.
- ✓ Explore the possibility for plantation in adjoining forest land in consultation with concerned DFO.

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

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 605), Village - Udla, Tehsil - Amanganj, Dist.

Panna (MP) 5.50 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patra) letter no. 1448 dated: 12/10/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 470<sup>th</sup> SEAC dated 18/12/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 11/7/21 which was forwarded through SEIAA vide letter no. 1506 dated 19/07/21, which was placed before the committee.

The case was scheduled in 507<sup>th</sup> meeting dated 10/08/2021 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 507<sup>th</sup> meeting dated 10/08/2021. 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.

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

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



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

Earlier this case was scheduled for presentation and discussion in 470<sup>th</sup> SEAC dated 18/12/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 11/7/21 which was forwarded through SEIAA vide letter no. 1504 dated 19/07/21, which was placed before the committee.

The case was scheduled in 507<sup>th</sup> meeting dated 10/08/2021 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 507<sup>th</sup> meeting dated 10/08/2021. 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.

**5. Case No 8588/2021 M/s. SP Eco Waste Management System, Smt. Pramila Sharma, Partner, 15/2, Khudiram Bose Marg, Dist. Ujjain, MP - 456010 Prior Environment Clearance for Common Bio Medical Waste Treatment Facility (CBWTF) at Village - Kaliyadeh, Tehsil - Ghattiya, Dist. Ujjain, (MP).**

This is case of Prior Environment Clearance for Common Bio Medical Waste Treatment Facility (CBWTF) at Village - Kaliyadeh, Tehsil - Ghattiya, Dist. Ujjain, (MP). The proposed project is for setting up of common bio-medical waste treatment facility and project falls under Category "B" Projects of activity 7 (da) as per EIA Notification dated 14<sup>th</sup> September, 2006 and its subsequent amendments dated 17<sup>th</sup> April 2015, under Bio- Medical Waste Treatment Facilities. Application was forwarded by SEIAA to SEAC for appraisal vide n. 1570 dated 30.07.2021.

Further, SEIAA vide letter dated 30.07.2021 wherein mentioned that.....

*“for this location already SEIAA has granted EC dated 29.01.2019 to case no. 5542/17 & one another case 7787/2020 of this location TOR issued by SEAC on 06.10.2020 valid till 29.09.2024. Further the case no. 7787/2020 M/s. Hostech Eco Management has filed a petition (WP/5133/2021) against the establishment of the unit and matter is sub – judice under H’ble High court. There are number of complaints also received in SEIAA regarding objection of public Hearing. For the case no. 5542/2017 the matter is sub – judice under H’ble NGT (O.A. No. 32/2021) (CZ). In view of above, you are requested to kindly consider the above issue during appraisal of the case.*

The case was scheduled in 509<sup>th</sup> meeting dated 24/08/2021 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 509<sup>th</sup> meeting dated 24/08/2021. 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.

**6. Case No 8593/2021 Shri Bhupendra Kumar Pandey, Village - Nipniya, Ward No. 1, Dist. Rewa, MP Prior Environment Clearance for Stone Quarry in an area of 1.719 ha. (10000 cum per annum) (Khasra No. 265/1), Village - Devdaha, Tehsil - Ramnagar, Dist. Satna (MP) .**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 265/1), Village - Devdaha, Tehsil - Ramnagar, Dist. Satna (MP) 1.719 Ha. The project requires prior EC before commencement of any activity at site.

The case was scheduled in 506<sup>th</sup> meeting dated 09/08/2021 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 506<sup>th</sup> meeting dated 09/08/2021. 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.

**7. Case No 8640/2021 Shri Kousal Prasad Patel S/o Shri Tirath Prasad Patel, R/o, Nehru Nagar, Dist. Rewa, MP Prior Environment Clearance for M-Sand & Stone Quarry in an area of 1.20 ha. (Stone - 21261 cum per annum, M-Sand - 9112 cum per annum) (Khasra No. 766/4), Village - Shyamardanda, Tehsil - Gunnor, Dist. Panna (MP)**

This is case of M-Sand & Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 766/4), Village - Shyamardanda, Tehsil - Gunnor, Dist. Panna (MP) 1.20 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Ram Milan Pathak behalf of PP 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 letter No. 974 dated 03.08.2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation, PP submitted that it's a case of Stone and M-Sand Query mine wherein mining will be carried out as per approved mine plan with semi mechanized open-cast method of mining. Within 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>
02 Trees	within lease	Sparsely distributed	No tree cutting is proposed.
Human settlement	>1000	North – East	Protection plan & muffle blasting with arrangements of sand bags and three rows of plantation in this side.

After presentation committee asked PP to submit response on following issues including irrelevant/misleading information provided in Form-II, such as:

1. Discuss the process of M-sand manufacturing with deployment of manpower and machine (layout map) on 1.20 ha area considering safety and all other provisions such as storage area and other facilities and why EC is required for M-sand.
2. Which technology will be used for M-sand manufacturing and does the process involves washing of sand. If yes, detailed waste water management plan and disposal of any debris/sludge.
3. Being case of M-sand and wherein crusher is proposed details of internal dumps shall be provided as mentioned in the Form-II point no. 09 where details are not given.
4. In point no. 10, no top soil information provided, please justify.
5. Soil profile study report.
6. Under CER scheme with physical targets:
  - ✓ Activities such as solar panels & white wash in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) in concerned village shall be proposed.
  - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under “Ujjwala Yojna” to them who are residing in the nearby villages, shall be considered.
  - ✓ PP’s commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained by them.
7. Under Plantation Scheme with budgetary allocations:
  - ✓ Comprehensive green belt plan as suggested by committee by adding native species like Babul, Khamar, Katang bamboo, Chirol and Neem etc) with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Babool seeds can be sown through trenching method on the periphery of lease for added protection along the fencing. Proposal for distribution of fruit bearing species for nearby villagers as per their choice shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.

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

**8. Case No 8597/2021 Ankur Gupta S/o Shri Ashok Gupta, 142, Sanghi Street, Tehsil – Mhow, Distt. Indore Prior Environment Clearance for Stone Quarry in an area of 1.012 ha (8000 Cum per Annum) (Khasra No. 1343/4), Village – Gwalipalasia, Tehsil - Mhow, Distt. Indore (M.P.).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1343/4), Village – Gwalipalasia, Tehsil - Mhow, Distt. Indore (M.P.) 1.012 Ha. The project requires prior EC before commencement of any activity at site.

The case was scheduled in 507<sup>th</sup> meeting dated 10/08/2021 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 presented by RQP Shri Ram Milan Pathak 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 letter No. 367 dated 16/2/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 2.934 ha., including this mine.

During presentation, PP submitted that it's a case of Stone Query mine. Within 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>
Human settlement	>250	East	Protection plan & muffle blasting with arrangements of sand bags and three rows of plantation in this side.

After presentation committee asked PP to submit response on following issues including irrelevant/misleading information provided in Form-II, such as:

1. Longitude and latitude of the location of the mine are wrongly presented in Form 2 and should be corrected.
2. How the EMP cost can be 333.33% above the cost of project.
3. In point no.15-0 Copy of application submitted GW withdrawal.
4. Like that in point no. such as 16, 16.1, 17, 19, 32, 35-10, 35-11/2, 35-13 etc. Details are not appropriately filled please submit revise information.
5. Under CER scheme with physical targets:
  - ✓ Activities such as solar panels & white wash in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) in concerned village shall be proposed.
  - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under “Ujjwala Yojna” to them who are residing in the nearby villages, shall be considered.
  - ✓ PP’s commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained by them.
5. Under Plantation Scheme with budgetary allocations:
  - ✓ Comprehensive green belt plan as suggested by committee by adding native species like Babul, Khamar, Katang bamboo, Chirol and Neem etc) with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Babool seeds can be sown through trenching method on the periphery of lease for added

protection along the fencing. Proposal for distribution of fruit bearing species for nearby villagers with their consent shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.

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

**9. Case No 8637/2021 Shri Mudit Sharma S/o Shri Prabhat Sharma, 05, Krishnapura, Ganjbasoda, Dist. Vidisha, MP Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (10000 cum per annum) (Khasra No. 711/1, 711/2, 712/1, 712/2), Village - Mahagaur, Tehsil - Basoda, Dist. Vidisha (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 711/1, 711/2, 712/1, 712/2), Village - Mahagaur, Tehsil - Basoda, Dist. Vidisha (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Ms. Nikita Prajapati and Mr. Sishupal Verma, Env. Consultant, 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 letter No. 5400 dated 13.08.2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation, PP submitted that it's a case of Stone Query mine. Within 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>
Bunch of Trees	Within centre of the lease	Sparsely distributed	PP submitted that total 08 trees are existed and no tree felling is proposed.
Pucca Road	100	East	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Railway line	650	West	

After presentation committee asked PP to submit response on following issues including irrelevant/misleading information provided in From-II, such as:

1. In point no. 8.1 (1), 15, 19, 32- why detailed green belt plan is not attached.
2. PP's commitment that no tree felling is proposed and existing trees will be protected by leaving 1.5 times area of crown area of trees existing in the middle of the lease.
3. Soil profile study of the QL area.
4. Copy of Gram Panchayat Permission letter for water withdrawal.
5. EMP cost only 8.42%, please justify.

**10. Case No 8641/2021 M/s Tirupati Buildcon Private Limited, Shri Padam Kumar Singhania, Director, Budhar, Dist. Shahdol, MP - 484110 Prior Environment Clearance for Stone Quarry in an area of 1.95 ha. (100000 cum per annum) (Khasra No. 2156 (Part)), Village - Daga, Tehsil - Deosar, Dist. Singrauli (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 2156 (Part)), Village - Daga, Tehsil - Deosar, Dist. Singrauli (MP) 1.95 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Ms. Nikita Prajapati and Mr. Sishupal Verma, Env. Consultant, 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 letter No. 3008 dated 19.8.2021 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area 4.95 ha. During presentation it was observed that it's a case of Stone mining and this lease was obtained under temporary permit (TP) for 02 years. Within 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>
Settlement	170	South	30 m setback shall be left w.r.t. NGT order dated 21/07/20 and Revised surface plan. PP submitted these encroached by 4-5 huts and at present no occupancy and they have also obtained affidavit from them that they are not residing in these hutments.
10 Trees	within lease	Sparsely distributed	Existing 10 trees within lease area out of which 07 trees are proposed for felling for which PP will take permission from competent authority and 70 trees shall be additionally planted and other 03 trees which are located in the lease area shall be kept intact.
National highway	185	South	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Water body	340	South- east	Provision of Garland drain & settling tanks.

After presentation committee asked PP to submit response on following issues:

1. Revised plantation scheme enhancing plantations to 2500 numbers including 70 compensatory plantations.

2. Revised surface map showing 30 meters setback due to settlements on southern side.
3. Commitment that all proposed CER activities will be completed in the first year of mine operations being case of TP.
4. Commitment that water demand will be fulfilled from nearby old mine pit after approval of gram Panchayat.

PP has submitted the response of above quarries on same date 21.09.21 which was placed before the committee and found acceptable. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone as per mine plan with quantity not exceeding 1,00,000 cum/year.
2. On southern side, 30 m setback as non mining area shall be left w.r.t. NGT order dated 21/07/20.
3. A budgetary provision for Environmental management Plan of Rs. 14.78 Lakh as capital and Rs. 3.64 Lakh/year as recurring has proposed by PP.
4. Some trees are in existence within lease on the southern side and no tree uprooting is proposed thus area occupied by these trees shall be left as non- mining area.
5. As proposed, a minimum of 2500 trees shall be planted within one year in the barrier zone, evacuation road and distribution of fruit bearing trees among the concerned villagers as per the submitted plantation scheme.

**11. Case No 8608/2021 Smt. Kamla Shihhare W/o Shri Santosh Shihhare, Dhuma, Lakhnadon, Dist. Seoni, MP - 480886 Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (50,000 cum per annum) (Khasra No. 296 Part), Village - Dharapatha, Tehsil - Lakhnadon, Dist. Seoni (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 296 Part), Village - Dharapatha, Tehsil - Lakhnadon, Dist. Seoni (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was scheduled in 509<sup>th</sup> meeting dated 24/08/2021 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 presented by RQP Mr. Satish Deolkar as per SEIAA letter no. 1783 dated 03.9.21 on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Panchyat, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, PFR & EMP for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 2626 dated 05/03/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. Within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
National highway	360	NW	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Tree (01)	Within centre of the lease	--	PP submitted that no tree felling is proposed.

After presentation committee asked PP to submit response on following issues including irrelevant/misleading information provided in From-II, such as:

1. In the From-II following points no. such as 8.1, 13.1, 14.6, 15.0, 16, 16.1, 17, 32, 35-4, 35-5, 35-8- b(1), 35-10, 35-13 etc. wherein Details are not appropriately filled hence, please submit revise information.
2. Under CER scheme with physical targets:
  - ✓ Activities such as solar panels & white wash in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) in concerned village shall be proposed.

- ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under “Ujjwala Yojna” to them who are residing in the nearby villages, shall be considered.
- ✓ PP’s commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained by them.

**4. Under Plantation Scheme with budgetary allocations:**

- ✓ Comprehensive green belt plan as suggested by committee by adding native species like Katang & Lathi Bamboo, Sitafal, Pipal Neem, Karanj, Ficus species etc with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Babool seeds can be sown through trenching method on the periphery of lease for added protection along the fencing. Proposal for distribution of fruit bearing species for nearby villagers shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.
- ✓ Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
- ✓ Commitment that high density plantation (preferably using “Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation by concerned CCF, Social Forestry Circle or concerned DFO or any other competent agencies.
- ✓ Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
- ✓ Explore the possibility for plantation in adjoining forest land in consultation with concerned DFO.

**12. Case No. - 5751/2018 M/s. Macker Real Ventures, 501, 5<sup>th</sup> Floor, Ashima Corporate Zone, Ashima Mall, Hoshangabad Road, Bhopal, (M.P.) – 462026. Prior Environment Clearance for Construction of Group Housing Project "Silver Estate Vertica" (Plot Area = 16,700 sqm., Built up Area = 28,451.33 sqm) Khasra No. – 60, 61, 62, 63, 64/1, 66/1, at Village - Katara, Tehsil - Huzur & Dist. Bhopal, (M.P.) Category: 8(a) Building & Construction Project. (Violation).**

This is case of Prior Environment Clearance for Proposed Construction of Construction of Group Housing Project "Silver Estate Vertica" (Plot Area = 16700 sqm., Built up Area = 28451.33 sqm) Khasra No. – 60, 61, 62, 63, 64/1, 66/1, at Village - Katara, Tehsil - Huzur & Dist. Bhopal, (M.P.) Cat. 8(a) Building and Construction Projects. The project requires prior EC before commencement of any activity at site.

**Chronology of the project:**

Earlier this case was scheduled in 331<sup>st</sup> SEAC meeting dated 25/10/2018, wherein ToR (For Violation) has been recommended. PP has submitted the EIA report vide letter dated 15/03/2019 which was forwarded through SEIAA vide letter no. 2856 dated 30/03/2019 which was placed before the committee.

The case was scheduled for the EIA presentation and discussion in 361<sup>st</sup> SEAC meeting dated 12/04/2019 with its remediation plan and the natural and community resource augmentation plan, wherein committee asked PP to revise the remediation's plan and natural community resource augmentation plan. For more detailed information, kindly refer the minutes of 361<sup>st</sup> SEAC meeting dated 12/04/2019.

This case was scheduled for the presentation and discussion in 397<sup>th</sup> SEAC meeting dated 03/10/2019 of revised remediation's plan and natural community resource augmentation plan as suggested by committee in 361<sup>st</sup> SEAC meeting dated 12/04/2019, however, it was observed by the committee that the PP has submitted the request letter vide dated 30/09/2019 stating that due to some unavoidable condition he wouldn't able to present the case before SEAC and requested to scheduled this case in next upcoming SEAC meeting. Committee accepted the request made by PP and decided to call the PP in subsequent meetings.

In the SEAC 399<sup>th</sup> meeting dated 31.10.2019 the case was scheduled for presentation, PP has presented incorporating revised remediation plan and natural community resource augmentation plan wherein PP has proposed Rs. 121.00 Lakhs in the EMP as capital cost and recurring cost is Rs. 8.17 Lakhs /Year. Also, Rs. 13.55 Lakhs is proposed as remediation cost for this project. PP M/s. Macker Real Ventures "Silver Estate Vertica", has proposed to submit bank guarantee of INR Rs. 13.55 Lakhs

towards Remediation Plan. Committee after considering the reply recommends that PP may be asked to deposit the bank guarantee (BG) with three years validity of Rs. 13.55 Lakhs (equivalent to amount proposed in Remediation Plan /Restoration Plan) with the MP Pollution control Board after approval of the SEIAA as per the procedure laid down in the MoEF&CC Notification dated 08/03/2018.

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 Environment Clearance for Construction of Group Housing Project "Silver Estate Vertica" (Plot Area = 16,700 sqm., Built up Area = 28,451.33 sqm) Khasra No. – 60, 61, 62, 63, 64/1, 66/1, at Village - Katara, Tehsil - Huzur & Dist. Bhopal, (M.P.) Category: 8(a) Building & Construction Project, subject to the prescribed special conditions and submission of bank guarantee (BG) with 03 years validity of Rs. 13.55 Lakhs (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board, with additional conditions.

Thus, as above, PP has proposed Rs. 121.00 Lakhs in the EMP as capital cost and recurring cost is Rs. 8.17 Lakhs /Year. Also, Rs. 13.55 Lakhs is proposed as remediation cost for this project. PP M/s. Macker Real Ventures "Silver Estate Vertica", has proposed to submit bank guarantee of INR Rs. 13.55 Lakhs towards Remediation Plan. Committee after considering the reply recommends that PP may be asked to deposit the bank guarantee (BG) with three years validity of Rs. 13.55 Lakhs (equivalent to amount proposed in Remediation Plan /Restoration Plan) with the MP Pollution control Board after approval of the SEIAA as per the procedure laid down in the MoEF&CC Notification dated 08/03/2018.

Vide SEIAA's letter no. 1682/SEIAA/21 dated 17.08.2021, forwarded case file to SEAC with information submitted by PP and Regional office, MoEF&CC examination in the light of MoEF&CC Notification S.O no. 1030, dated 08.03.2018.

The case was scheduled in 512<sup>th</sup> meeting dated 07/09/2021 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 512<sup>th</sup> meeting dated 07/09/2021. 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.

**13. Case No 7607/2020 Shri Ravi Pratap Singh S/o Shri Jang Bhadur Singh, R/o Village - Heerapur, Tehsil - Shahgarh, Dist. Chhatarpur, MP Prior Environment Clearance for Stone Quarry in an area of 2.255 ha. (Expansion from 5002 to 69371 cum per annum) (Khasra No. 196P), Village - Mandhpur, Tehsil - Buxwaha, Dist. Chhatarpur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 196P), Village - Mandhpur, Tehsil - Buxwaha, Dist. Chhatarpur (MP) 2.255 Ha. The project requires prior EC before commencement of any activity at site.

The case was scheduled for presentation, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in 509<sup>th</sup> SEAC meeting dated 24/8/21, 504<sup>th</sup> SEAC meeting dated 22/07/21 and 502<sup>nd</sup> SEAC meeting dated 06/07/21.

Vide PP letter dated 23.08.2021 has requested to the SEAC committee that due to sickness he is not able present the case on the scheduled date hence, give him one more chance to present the case . Committee considered the PP request on health issue and decided to call the PP in subsequent meetings.

The case was again scheduled for presentation bu PP remain absent hence, 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.

The case was presented by RQP Mrs. Swati Namdeo / Mr. Deepak Singh Sisodia on behalf of PP, wherein PP has submitted the compliance of earlier EC conditions issued by MoEF&CC vide no. 267 letter dated 26/03/21. During appraisal it was observed by committee that 14 environmental conditions are found not compiled by the authority. The Committee after deliberations asked PP to submit comprehensive point-wise ATR wrt to non compliant conditions with proof (bills, Photographs etc.) for further consideration of case.

**Discussion based on Query Reply submitted by PP**

**13. Case No 8587/2021 M/s. Bhopal Development Authority, Pragati Bhawan, Press Complex, M.P.Nagar, Zone-1, Bhopal, Prior Environment Clearance for Construction of Bus Terminal Complex [Total Plot Area – 20,000 sqm, at Vidhya Nagar Phase II, Zone 13, Ward No. 52, Village - Bawadia Kalan, Hoshangabad Road, Dist. Bhopal, (MP). Env. Con. - OCEAO Enviro Management Solutions (India) Pvt. Ltd., Ghaziabad (U.P.).**

This is case of Prior Environment Clearance for Construction of Bus terminal, Residential & Commercial Complex [Total Plot Area – 20,000 sqm, Total Built Up - 48501.80 sqm] at Vidhya Nagar Phase II, Zone 13, Ward No. 52, Village - Bawadia Kalan, Hoshangabad Road, Dist. Bhopal, (MP).

The case was presented by the PP and their consultant in the SEAC in the 506<sup>th</sup> SEAC meeting dated 09-08-21 wherein PP submitted the salient features of the project:

- The Total area of Town Planning Scheme is 39.963 Ha, which is approved by Town and Country Planning Development, Bhopal for Commercial and Residential Developments vide letter no 226 dated 5.10.2019. In that area the “Development of the Bus Terminal Complex” is Proposed on land parcel of 4.942 acre or 20,000 Sqm (2 Ha.) NOC obtained from Municipal Corporation, Bhopal vide letter no-14/A/2021 dated 26.02.2021 for the Development of the Bus Terminal Complex on land parcel of 4.942 acre or 20,000 Sq.m (2 Ha.) is enclosed as Annexure-II. Thus Development of bus Terminal Complex Exceeds the Built up Area more 20,000 Sq.m and it attracts the EIA notifications 2006 and its amendments thereof. Hence an application for obtaining Environmental Clearance has been submitted to SEIAA M.P.
- Bus Terminal complex is located at Vidhya Nagar Phase II, Zone 13, Ward no 52, Village Bawadia Kalan, Hoshangabad Road Bhopal on a land admeasuring 20000 m<sup>2</sup> (4.94 Acres).
- This project has been approved by T&CP vide no. 226/G-297/Dara 27-28/Na.Gra.Ni/G.ka/2008 dated on 05.10.2019.
- The planning for the development of the Bus terminal complex is to develop the local area and to provide a wide spectrum of the connectivity for the city.
- Landscape area of 5999 sq.m. i.e. 29.9 % of plot area has been proposed.
- Total project cost of the land and development part is 218 Crores.



- This project is proposed by Bhopal Development Authority, Bhopal Madhya Pradesh.
- The planning for the development of the Bus terminal complex is to develop the local area and to provide a wide spectrum of the connectivity for the city.
- The proposed development consists of terminal building and the commercial building which includes offices, residential apartments, studio apartments and Banquet and Food court. The project location is Proposed Bus Terminal complex at Vidhya Nagar Phase II, Zone 13, Ward no 52, Village Bawadia Kalan, Hoshangabad Road Bhopal.

S. No.	Description	Existing	Units
<b>AREA DETAILS</b>			
1	Total Plot Area	20000.00	Sq m
2	Bus Terminal Block -1 (FAR)	1904.4	Sq m
3	Commercial Complex Block-2 ( FAR)	27628.30	Sq m
4	Basement 2 No. (NON FAR)	13783.40	Sq m
5	Total Kiosk area	185.70	Sq m
6	Other services	5000.00	Sq m
7	Total Built up area	48,501.8	Sq m
8	Green area	5999.9	Sq m
<b>WATER AND WASTE WATER REQUIREMENTS</b>			
9	Total Fresh Water Requirement	271	KLD
10	Wastewater Generation	236	KLD
11	No. of Rain Water Harvesting Pits Proposed	05	No
<b>PARKING</b>			
12	Total parking proposed	498	ECS
	Total Bus Parking	16	Bus Parking

<b>POWER</b>			
13	Total Power Requirement	1998	kVA
14	Power Source	Madhya Pradesh State Electricity Board (MPSEB).	kVA
15	Total DG Set proposed	1 X 100, 1 X 200	kVA
<b>WASTE GENERATION</b>			
19	Municipal Solid Waste Generation	2081.55	Kg/day

During presentation it was observed by the committee that as per Google image based on coordinates provided by PP some old structures are seen PP submitted that these old structures are Nagar Nigam office and these shall be re-located and also proposed for demolition and respective C&D plan has already been submitted. The demolished material shall be used in the land filling. Moreover within project area 9-10 trees are existing out of which 04 trees are proposed for felling and additional 40 trees shall be planted. Committee after presentation and deliberation asked PP to submit response on following issues including irrelevant/misleading information provided in Form-II, such as:

1. Detailed C&D disposal plan as same is not provided in Form-1.
2. Incomplete details in from-1, such as at sl.no. 1.5, 1.2 (inventory of trees), 1.19 (correct distance), 2.3, 2.4 etc.
3. Justify that total built-up area as per Form –I (3)- 43501.8 m<sup>2</sup> while Form-I-A-48,501.8 m<sup>2</sup>.
4. Figure given in the 2.1 are not matching with details provided in fig. 2 and Fig. 3&4, please justify?
5. PP's commitment that additionally 40 trees will be planted in view of cutting of 04 trees and tree uprooting will be done only after the approval of competent authority.
6. PP's commitment that plantation shall be 33% area of the total area with suggested plant species by the committee.

7. PP's commitment that ECS has been increased to 498.
8. Revised fresh water calculation as suggested by committee considering residential population, commercial activities and floating.
9. Revised waste water and waste generation calculations as suggested by committee considering residential population, commercial activities and floating.
10. Revised parking plan w.r.t. commercial and residential with their traffic circulation plan as during it was presented that both have separate entry and exit.
11. PP's commitment that no R&R is proposed.
12. Legible diagram of STP with detailed drawings and designs.
13. Waste/ used oil volume and its disposal scheme as DG set is proposed.
14. Number of Rain water harvesting pit proposed and their location on layout map.
15. Revised plantation scheme as suggested by committee during presentation (adding species such as Kadamb, Molshree, Pakad, Putranjiva etc ) and dense plantation (wood log preferably using "Miyawaki Technique") in the periphery shall be developed. Species such as palm and saptparni shall be removed from the list of proposed species.
16. Details regarding fire safety should be provided along with layout plan of uninterrupted circular movement of fire tender(s).

PP vide their letter dated 27/08/21 submitted query reply hard copy as well as on Ministry's Parivesh Portal. The query reply was presented by PP and their consultant wherein PP submitted that –

- Approximately, 2000 sq.m area is covered by temporary existing structures. 6500 cu.m of C & D waste will be generated during demolition. C&D waste generated will be used in leveling and backfilling of the project site. Details of demolition works have been mentioned in Section 1.6 of Form-I.
- Final built up area is 48,501.8 m<sup>2</sup> and the figure 43,501.8 sq.m was due to calculation error which has been rectified.
- Undertaking stating the commitment of 33 % green area will be provided as 33% as Green area (inside the Plot 5999.90 Sq.m area), Outside the plot area 600.1 Sq.m.
- During the construction phase, about 10-12 trucks are estimated per week adequate parking space within the project site for loading and unloading of materials will be provided. Adequate parking space i.e. 498 ECS will be

provided for operational phase for staff and visitors parking. 16 Bus Bays are there for standby parking.

- There are 9 trees which exist at the site and out of rest 5 trees will be preserved in the proposed greenbelt and rest 4 trees will be uprooted after obtaining the permission from competent authority. In lieu of uprooting/cutting of the rest 4 trees, compensatory plantation of 40 trees will be done.
- PP's has given their Commitment that no Rehabilitation and Resettlement is applicable for the project.
- Species such as Kadam, Molushree, Pakad, Putrinjiva, Mahua and other native species etc. only will be planted in the proposed greenbelt area. Miyawaki Technique shall be implemented.

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 Construction of Bus Terminal Complex, Total Plot Area – 20,000 sqm, Total Built Up area 48,501.80 sqm at Vidhya Nagar Phase II, Zone 13, Ward No. 52, Village - Bawadia Kalan, Hoshangabad Road, Dist. Bhopal, (MP). 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 (1X100kVA & 1X200KVA) are proposed 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 (1X100kVA & 1X200KVA) 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 271 KLD out of which 173 KLD is fresh water requirement and 236 KLD will be wastewater to be generated. The wastewater will be treated in STP (MBBR technology) of capacity of 260 KL and 212 KLD will be the total recovered treated water, out of which 98 KLD will be recycled for flushing and 04 KLD water will be used for landscaping. The surplus treated water will be discharged to Public sewer.
- iv. 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.
- v. 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 ground water and surface water sources, ensuring that there is no impact on other users.

- vi. 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.
- vii. 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.
- viii. 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.
- ix. 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.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. 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.
- xii. 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.
- xiii. For rainwater harvesting, 05 recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits is @ 35.32m<sup>3</sup>/ pit .
- xiv. Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xv. 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.
- xvi. All recharge should be limited to shallow aquifer.
- xvii. No ground water shall be used during construction phase of the project.
- xviii. 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.
- xix. 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.

- xx. Sewage shall be treated in the MBBR based STP (Capacity – 260 KLD). The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xxi. The waste water generated from the project shall be treated in STP of 260 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.
- xxii. No sewage or untreated effluent water would be discharged through storm water drains.
- xxiii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxiv. 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 1% 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 2081.55 Kg/day, this consist all types of wastes (as Organic waste 1040.75Kg/day and non- organic waste 978.32 Kg/day), E- waste 20.81Kg/day, Battery waste 40.82 Kg/day and these 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. 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.
- iii. 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.
- iv. 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.
- v. 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.
- vi. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.

- vii. 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.
- viii. 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.
- ix. 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.
- x. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- xi. 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 260 + 40 additional = 300 trees shall be planted in the area of  $5999.9 + 600.1 = 6600 \text{ m}^2$  (33 % of total plot area ) which is developed as greenbelt development.
- 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 498 ECS (in which 364 ECS for Basement parking, 134 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 under construction phase as Rs. 15.6 Lakhs/year as capital and Rs. 1.95 Lakhs/year as recurring cost & in the operation phase Rs. 76.36 Lakhs/year as capital and Rs. 17.0 Lakhs/year as recurring cost has proposed for this project.

- vi. Under Corporate Environment Responsibility (CER) PP shall be adopted wild animals (Tiger, Lion etc.) in Van-Vihar National Park, Bhopal.

## **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.

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

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

Earlier this case was scheduled for presentation and discussion in 437<sup>th</sup> SEAC dated 01/06/2020 and in 492<sup>nd</sup> SEAC dated 19/3/21 wherein revised ToR with revised GCA-

1,40,218 Ha., CCA 1,10,000 ha. , Discharge 35.24 Cumec, Benefitted villages 270 in District Covered - Khandwa, Dewas, Shajapur and Rajgarh was recommended.

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

The EIA was presented by the Mr. Ravindra S. Bhatiya, Env. Consultant , M/s. R. S. Envirolink Technologies Pvt. Ltd, Gurgaon and Mr T. R. Pachore , Executive Engineer, Narmada Development Division No. 20 , Madleshwar, Khargone in the SEAC in 511st SEAC meeting dated 26-08-21, wherein PP submitted that the project is a micro-lift irrigation scheme; consisting of lifting water from ISP reservoir and distribution through a pressurized piped system to cultivators for irrigation during Rabi season. Water will be supplied up to 2.5 ha chak size under adequate pressure (minimum 23m head) for drip/sprinkler system to be installed by cultivators. The project consists of piped system with Supervisory Control and Data Acquisition (SCADA). In the proposed scheme, 35.24 cumec of water from existing Indira Sagar Project reservoir will be lifted by using 5 pumps through various combinations of rising mains and gravity mains up to Distribution Chamber near Raheli village. Water will be distributed to command area upto 2.5ha chak outlets by joining Rising mains and Gravity mains to the primary and secondary distribution networks. PP further presented following details about project:

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

**The Project consists of following Components:**

- Pump Houses (5 nos.)
- Break Pressure Tanks (2 Nos.)

- Distribution Chamber (1 no.)
- Sub station
- Transmission line
- Gravity main– Main line
- Rising main - MS pipeline
- Branch mains (MS/DI/HDPE) up to 20 ha Chak
- Distribution Network (HDPE) from 20 ha chak to 2.5 ha chak
- Flow & Pressure Control Valves, Air valves.

## **PROJECT DESCRIPTION**

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

## **PERMANENT LAND REQUIREMENT**

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

<b>Villages wise breakup</b>		
<b>S. No</b>	<b>Village</b>	<b>Area (ha.)</b>
1	Boranya	11.709
2	Devasya	7.413

3	Tumri Kheda	13.91
4	Dehri	7.093
5	Piplya Khari	5.062
6	Singladeh	31.228
7	Kharadi	23.686
8	Banka Palash (Viraan)	46.989
Total		147.09

## PROTECTED AREAS IN VICINITY

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

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

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

1. In point no.7.1 Under Details of Public Hearing- details of all public hearings are not uploaded. Even in EIA report, all the papers related to 04 public hearing shall be attached including point wise reply/suggestion raised during hearing and commitment of PP.
2. In point no.13.1 – Under Raw material- mentioned “water”, Justify.
3. In point no.18.1 - Under Air Quality Impact Prediction- Incremental Concentration value is “0” justify.



4. In point no.20 (b) – under “Land Ownership Pattern” mentioned that Private Land is 4.05 ha. then what about R&R status.
5. In point no.23.1 Details of Ecological Sensitivity shown as “0” justified how arrived at “0”.
6. Justify why data mentioned in the public hearing documents available on web portal are mismatch with the data mentioned in the presentation.
7. Justification for enhancement in cost from to 4199.40 crore to 4619.34 crore.
8. Affidavit from PP that no area of this project is falling under “छोटे बड़े झाड़ के जंगल”.
9. DFO certificate from Khandwa, Dewas, Rajgarh and Shajapur to be submitted wrt to Narsinghrh WLS, Kheoni WLS & Omkareshwar working plan from concerned authorities.
10. PP will submit alternate route in case forest clearance is not granted and current status of FC clearance with supporting documents.
11. Justification in cost revision (enhancement from 4194.40 crores to 4619.34 crores) and all the data shall mention in EIA report and Form-II shall be inline.
12. PP’s commitment that diversion of any natural drainage is not proposed in this project.
13. PP’s commitment that 35.24 cumec water is available for this project from ISP.
14. Leakage detection plan and plan for protection against corrosion for MS pipes.
15. Detailed muck management plan considering machinery deployment, movement of trucks and cumulative effect on nearby environment.
16. PP’s commitment and proposal regarding sowing of medicinal plants (herbs & shrubs species like Ashwagandha , Kalmegh etc.) over the soil of pipelines in forest area.
17. PP’s commitment that they will make a team of people who look after all labour related environmental issues.
18. Under CER scheme with physical targets:
  - ✓ Proposal for CER activates should preferably be based upon commitment made during public hearing (if public hearing is conducted)
  - ✓ Activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle’s health checkup, Skill development for using Bamboo as raw material,

Distribution of fruit bearing species etc., in concerned village shall be proposed.

- ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under “Ujjwala Yojna” to them who are residing in the nearby villages, shall be considered.
- ✓ PP’s commitment that activities proposed in the CER and plantation scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained.

19. Under Plantation Scheme with budgetary allocations:

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

PP vide their letter dated 03/09/2021 submitted query reply on Ministry’s Parivesh Portal raised in the 511<sup>st</sup> SEAC meeting dated 26-08-21. The case was presented by the PP and their consultant, wherein PP has submitted that -

- That Public Hearing minutes have been uploaded on the Parivesh portal, however, due to technical error only one district viz. Khandwa documents were visible. Copy of the Public Hearing reports along with point wise reply/suggestion raised during hearing and commitment of PP are enclosed herewith.
- Under “Land Ownership Pattern” mentioned that - 4.05 ha of private land will be required for construction of PS2 in village Borkhalaya, Tehsil Udainagar, district Dewas. Two parcels of land has been identified – 2.55 ha and 1.50 ha. Land will be purchased through Collector Dewas by mutual consent. Proposal for purchase of 2.55 ha land has been made by collector on 19/08/2021 to owners, Ram Singh, Ter Singh S/o late Nadan Singh and Badi Bai, Champa Bai w/o late Nadan Singh and Khuman Singh, S/o Gulab Singh – R/o village Rupalipura, tehsil Udai Nagar. For remaining 1.5 ha, proposal is under process. Private Land is 4.05 ha. then what about R&R status.
- Project cost has been revised from Rs. 4199.40 Crore to 4619.34 crore i.e. 10% enhancement due to increase of command area by 10% i.e. from 100000 ha to 110,000 ha..

- DFO certificate from Khandwa, Dewas, Rajgarh and Shajapur to be submitted wrt to Narsinghrh WLS, Kheoni WLS & Omkareshwar working plan from concerned authorities.
- PP has submitted DFO certificates from Khandwa vide no. 3905 dated 01.09.21 (wherein mentioned that project area is come under RF parcel no. 245 and no sanctuary is notified within 10 KM from forest area.) Dewas vide no. 7414, dated 03.09.21 (wherein mentioned that project area is 35 KM from Kheoni WLS.) Rajgarh vide no. 2203, dated 03.09.21 (wherein mentioned that project area is 63.65 KM from Forest parcel no. P-3 and 58.61 KM from Forest parcel no. P-86 of Narsinghgarh WLS) and Shajapur vide no. 2685 dated 01.09.21 (wherein mentioned that project area is 03 KM from nearest forest area Dhandeda and no wild life in the forest area).
- Regarding alternate route, PP submitted alternate route in case forest clearance is not granted PP stated that this being a linear project involving laying of pipeline and transmission line; part of the pipeline and transmission line will pass through forest area, therefore, diversion of 147.09 ha. of forest land would be required. Proposals for diversion of 147.09 ha of forest land has already been submitted vide reference no. FP/MP/IRRIG/139995/2021. An affidavit is enclosed in this regard in compliance with the MoEF&CC OM dated 19/03/2013 along with the map marking alternate route, without forest diversion.
- For leakage detection plan and plan for protection against corrosion for MS pipes – PP submitted that for corrosion prevention in pipeline is discussed at section 5.10 of EIA report. MS pipe (Rising Main and Gravity Main) will be painted by epoxy paint internally and guniting at outside where the pipeline is underground. The pipeline exposed to the atmosphere will be painted by epoxy paint both inside and outside to prevent the corrosion. Distribution Network (Disnet) up to 2.5 ha chak is HDPE and the corrosion does not occur in the high-density polyethylene pipe (HDPE).
- Total 195,353 trips will be required to transport entire muck volume of 39.07 lakh m<sup>3</sup>. Muck disposal process will be spread over a period of 3 years i.e. about 900 working days with multiple point of generation and disposal at the nearest village with suitable low lying area. On an average 220 trips of Muck

disposal will be required per day with each tipper/dumper with 20 m<sup>3</sup> capacity, however, there will be multiple points of origin and destination. This will be achieved by 15 to 20 numbers of Dumpers with average 10 to 15 trips by each dumper. Muck will be disposed off at nearby villages with due consent of local administration/gram panchayat.

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 ISP - Kalisindh Micro Lift Irrigation Scheme Phase II at Tehsil - Punasa, Dist. Khandwa (M.P.). GCA-1,40, 218 Ha., CCA 1,10,000 ha. (No. of benefited villages 270) District Covered , Khandwa, Dewas, Shajapur & Rajgarh. Category: 1(c) River Valley and Hydroelectric Projects with following conditions:

**I. Statutory compliance:**

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project. (if any)
- ii. The project proponent shall obtain clearance from the National Board for Wildlife. (if any)
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of any schedule-I species in the study area)
- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee
- v. NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC. (If applicable)
- vi. Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crore. (If applicable)

**II. Air quality monitoring and preservation**

- i. Regular monitoring of various environmental parameters viz., Water Quality,

Ambient Air Quality and Noise levels as per the CPCB guidelines at designated locations shall be carried out on monthly basis and a detailed database of the same shall be prepared and recorded. This shall be used as a baseline data for post construction EIA / Monitoring purposes.

- ii. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed standards.
- iii. Necessary control measures such as water sprinkling arrangements, etc. are to be taken up to arrest fugitive dust at all the construction sites.

**III. Water quality monitoring and preservation**

- i. Mixed irrigation shall be practiced and necessary awareness be given to all the farmers and trained in the use of such systems. Proper crops selection shall be carried out for making irrigation facility more effective.
- ii. On Farm Development (OFD) works like landscaping, land leveling, drainage facilities, field irrigation channels and farm roads, etc. should be taken up in phased manner prior to the start of irrigation in the entire command area. The Command Area Development Plan should be strictly implemented as proposed in the EIA/EMP report.

**IV. Noise monitoring and prevention**

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

**V. Waste Management**

- i. Approximately 39.07 lakh m<sup>3</sup> of muck will be generated along the pipeline length of 107.07 Km.
- ii. Total 195,353 trips will be required to transport entire muck volume of 39.07 lakh m<sup>3</sup>.
- iii. Muck disposal process will be spread over a period of 3 years i.e. about 900 working days with multiple point of generation and disposal at the nearest village with suitable low lying area.
- iv. Muck disposal be carried out only in the approved and earmarked sites. The

dumping sites shall be located sufficiently away from the HFL of the river. Efforts be made to reuse the muck for construction and other filling purposes and balanced be disposed of at the designated disposal sites. Once the muck disposal sites are inactive, proper treatment measures like both engineering and biological measures be carried out so that sites are stabilized quickly.

- v. Solid waste management should be planned in details. Land filling of plastic waste shall be avoided and instead be used for various purposes as envisaged in the EIA/EMP reports. Efforts be made to avoid one time use of plastics.

#### **VI. Green Belt, EMP Cost, Fisheries and Wildlife Management**

- i. Plantation in 275.0 hectare (0.25% of command) in several patches in Government land is proposed.
- ii. The species to be planted will be chosen in consultation with local villagers and will be site specific. Suggested species for plantations are Teak, Dhawda, Sisham, Katang & Lathi Bamboo, Siras, Chirol, Karanj, Neem, Sagon, Aonla, Mahua, Khair, Babool etc. Medicinal plants (herbs & shrubs species like Ashwagandha, Kalmegh, Giloye climber etc.) shall be planted over the soil of pipelines in forest area.
- iii. Any plantation within the forest area shall be carried –out with the consent of local DFO.
- iv. The plantations will be done by forest wing of NVDA. These plantations will be maintained for five years & will be handed over to Panchayat for management.
- v. During excavation care will be taken that top fertile soil is kept aside and will not be used for filling the excavated area after laying pipe line. This top soil will be spread on adjoining farming fields with consent of farmers or alternatively will be used for green belt development.
- vi. To enrich the habitat of the project site, plantation shall be raised as envisaged in the EIA/EMP report. Plantation to be developed along the periphery of the reservoir in multi-layers with local indigenous species in consultation with the local State Forest Department.
- vii. Compensatory forestation programme shall be implemented as per the plan approved.

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

- i. Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt.
- ii. Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.

- iii. Preventive measures viz. fuming and spraying of mosquito control shall be done in and around the labour colonies, affected villages, stagnated pools, etc. Provisions be made to not to create any stagnated pools to avoid creation of breeding grounds of the vector borne diseases
- iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Labour force to be engaged for construction works shall be examined thoroughly and adequately treated before issuing them work permit. Medical facilities shall be provided at the construction sites.

#### **VIII. EMP**

- i. A budgetary provision of Rs. 2135.77 Lakh is made for Environmental Management Plan as capital cost and Rs 4601.27lakh as recurring cost.
- ii. Under CER the PP has proposed following various activities-
  - Solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup, Skill development for using Bamboo as raw material & Distribution of fruit bearing species as per the choice of villagers in concerned village etc.
  - Fuel wood shall not be used as a source of energy by workers. Proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to them who are residing in the nearby villages, is included.
  - Activities proposed in the CER and plantation scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained. A commitment in this regard is submitted.
  - Plantation comprising of local forest species including trees, herbs, shrubs and climbers shall be carried out preferably through forest department and its regular monitoring through M. P. Bio Diversity Board.
- iii. Skill mapping be undertaken for the youths of the affected project area and based on the skill mapping, necessary trainings to the youths be provided for their long time livelihood generation
- iv. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus

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

- v. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- vi. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- vii. Post EIA and SIA be prepared for the project through a third party and evaluation report be submitted to the Ministry after five years of commissioning of the project.
- viii. Multi Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc. to oversee implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report of the Committee shall be uploaded in the website of the Company.
- ix. Formation of Water User Association/Co-operative be made by involvement of the whole community be ensured for discipline use of available water for irrigation purposes.

#### **IX. Miscellaneous**

- i. Considering the shifting of huge volume of muck, which will be generated during the construction phase, project proponent shall construct pucca transportation road(s), from muck generation site(s) to the dumping site(s).
- ii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iii. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.



- iv. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company
- v. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- vi. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- vii. 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.
- viii. 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).
- ix. 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.
- x. 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.

**15. Case No 8604/2021 Shri Arvind Dhakad, Sada Colony, Raghogarh, Dist. Guna, MP - 473226, Prior Environment Clearance for Stone Quarry in an area of 1.770 ha. (46784 cum per annum) (Khasra No. 31/1, 31/2), Village - Hajratpur, Tehsil - Raghogarh, Dist. Guna (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 31/1, 31/2), Village - Hajratpur, Tehsil - Raghogarh, Dist. Guna (MP) 1.770 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Ms. Nikita Prajapati and Mr. Sishupal Verma, Env. Consultant, on behalf of PP in the 509<sup>th</sup> SEAC meeting dated 24-08-21. During

presentation, PP exhibits various documents such as lease sanction order, Gram Panchyat, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, PFR & EMP for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-Patra) letter No. 1224 dated 22/07/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.777 ha., including this mine.

During scrutiny of the case file it was observed by committee as per Collector Office (Ekal Praman-Patra) only 01 mine is mentioned within 500 meters around the said mine but as per Google image based on coordinates provided by two mines on the eastern side of lease at a distance of approx. 480 are in existence within 500 meters for which no details are provided in issued certificate. PP submitted these mines were sanctioned for constructing of nearby highway on TP basis and are now not in operation. The Committee asked PP to submit MO clarification clearly indicating status of these two mines for further appraisal of this case. PP was also asked to rectify mistakes made in online submitted from-II.

PP vide letter dated 13.09.21 submitted that query reply through on-line portal and same was presented by the RQP. During presentation PP submitted that they have obtained clarification from M.O. (issued vide letter no. 1400 dated 13.9.2021) , wherein M.O. stated the excavation in three mines which are seen within 500 m, were in operation till 2019 and now are closed as being granted on T.P. basis , now only one mine is in existence and the cumulative area is 3.777 ha., and thus shall be appraised as B-2. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 46,784 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.8.53 Lakh as capital and Rs. 3.20 Lakh/year.
3. As proposed, a minimum of total 2145 trees shall be planted in 3 years in the 7.5m safety zone of lease, along the approach Road and in nearby Village through Local DFO or Gram Panchayat.

**16. Case No 8605/2021 Smt. Gaindarani Yadav W/o Shri Prahlad Singh Yadav, Village - Jhaloni Kasera, Post - Goodar, Tehsil - Khaniyadhana, Dist. Shivpuri, MP Prior Environment Clearance for Expansion of Stone Quarry in an area of 2.0 ha. (Expansion from 4121 to 30000 cum per annum) (Khasra No. 856), Village - Garethaa, Tehsil - Pichhore, Dist. Shivpuri (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 856), Village - Garethaa, Tehsil - Pichhore, Dist. Shivpuri (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Ms. Nikita Prajapati RQP and Mr. Sishupal Verma, Env. Consultant, on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Panchyat, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, PFR & EMP for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-Patra) letter No. 2078 dated 20/07/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.95 ha., including this mine. During presentation PP stated that this is a case of capacity expansion of stone from 4121 cum per annum to 30,000 cum per annum. Earlier the EC was granted by DEIAA in the year 2018 vide letter dated 09.07.2021. PP informed that they have obtained compliance of earlier EC conditions from Regional Office, MoEF&CC issued vide letter no. 2105 dated 11/08/21 and provided the legible copy at the time of presentation. Committee observed that as per the compliance report 30-40 saplings has been planted by PP whereas 50 saplings / year (say minimum 150 saplings) should have been planted. Committee observed that PP has failed to comply with this condition. Thus committee asked PP to plant minimum 200 plants (height not less than 01 meter) in current monsoon season and submit credible evidences such as photographs and bills for further consideration of this case. PP was also asked to rectify mistakes made in online submitted from-II.

PP vide letter dated 13.09.21 submitted that query reply through on-line portal and same was presented by the RQP. During presentation PP submitted by him behalf of PP that as directed by SEAC, they have planted 360 saplings and as proof submitted bills and photographs. Committee observed that as per the copy of bills submitted by PP 240 saplings (Bill dated 26.8.21) and 120 saplings (Bill dated 26.8.21) are enclosed. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS

and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for expansion 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 30,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.10.43 Lakh as capital and Rs. 4.24 Lakh/year.
3. As proposed, a minimum of total 2400 trees shall be planted in 3 years in the 7.5m safety zone of lease, along the approach Road and in nearby Village through Local DFO or Gram Panchayat.

### **DISCUSSION ON FILE RECEIVED FROM SEIAA**

#### **17. Case No. - 5584/2017 Aulliya Medium Irrigation Project at Village Roshani/Aulliya, Distt. - Khandwa, (M.P.)**

Vide SEIAA letter no. 1698 dated 18.08.2021 requested SEAC to carried out site visit to ascertain whether Aulliya Medium Irrigation Project at Village Roshani/Aulliya, Distt. - Khandwa, (M.P.) falls under violation or not as per EIA notification 2006. SEIAA also quoted and enclosed notice issued from Hon'ble High Court, Jabalpur by Writ Petition WP/6240/2021. The petition was made by Shri Sukhlal S/o Tumla & Others. Petitioners have objected regarding the illegal construction of Aulliya Medium Irrigation Project at Village Roshani/Aulliya, Distt. - Khandwa, (M.P.).

The above case file was placed before the committee for discussion. During scrutiny of case file it was observed by the committee that TOR was recommended in 297<sup>th</sup> SEAC meeting dated 08-11-17 which was subsequently approved by SEIAA in their 456<sup>th</sup> meeting dated 16-11-17. However, so far PP has not submitted the EIA report and as per issued TOR letter no 544 dated 13/12/17, TOR will expire on 07/11/21 but its validity can be extended for one year. Committee further observed that a WP (No. 6240/2021) has been filled by the petitioners wherein SEIAA, WRD and Land Acquisition Officer have been made respondents. On perusal of petition in the "Relief Prayed For", it is observed that mainly two issues are raised by the petitioners i.e. illegal construction of dam and issues related to R&R from respondents no. 02 & 03.

Committee deliberated on the issue and recommends that being rainy season the dam site may not be approachable and thus on the basis of issues mentioned in WP, SEIAA

initially shall obtain factual status about the dam construction without environmental clearance (as reported by the petitioners in WP No. 6240/2021) from E.E., Water Resource Division, Khandwa (PP) & Chief Engineer, Narmada Tapti Basin, WRD, Indore as they also have filed reply in this case as respondent no.02. Secondly, for site verification (if required after obtaining status report as above), visit shall be carried out by a joint team comprising of following expert members:

1. Representative from Ministry of Environment, Forest and climate Change, Regional Office, Bhopal.
2. Representative from Central Pollution Control Board, Zonal Office, Bhopal.
3. Expert Member from SEIAA.
4. Expert Member from SEAC.
5. Representative from District Administration Department.
6. Representative from office of the Executive Engineer Water Resources Department, Water Resources Division, Khandwa, M.P., as **Co-ordinator**.

Committee decided that as submitted above case file may be sent to SEIAA for kind consideration of submission made above and to take necessary action.

**(A. A. Mishra)**  
**Member Secretary**

**(Dr. Praveen Chandra Dubey)**  
**Chairman**

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

**Annexure- 'A'**

**Standard conditions applicable to Stone/Murram and Soil quarries:**

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

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

- c. Production capacity of the project.
30. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
  31. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. Plantation in adjoining forest land shall be carried out through concerned DFO and commensurate budget shall be transferred for plantation to DFO.
  32. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
  33. Every year, before onset of monsoon season, minimum 25 saplings of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers on “Vayudoot app”.
  34. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

**Annexure- ‘B’**

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

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



6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4<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. Plantation in adjoining forest land shall be carried out through concerned DFO and commensurate budget shall be transferred for plantation to DFO.
33. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
34. Every year, before onset of monsoon season, minimum 25 saplings of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers on “Vayudoot app”.
35. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

**Annexure- ‘C’**

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

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

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

24. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled “Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”.
25. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
26. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner’s Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.
27. Species such as Khus Slips and Nagar Motha shall be planted on the nearby river banks for bank stabilization and to check soil erosion while dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
28. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. Plantation in adjoining forest land shall be carried out through concerned DFO and commensurate budget shall be transferred for plantation to DFO.
29. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
30. Every year, before onset of monsoon season, minimum 25 saplings of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers on “Vayudoot app”.
31. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

**Annexure- ‘D’**

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

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.

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

24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analyzed.
26. A separate budget in EMP & CER shall be maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
28. The project proponent shall provide the mitigation measures as per MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.
29. LPG gas shall be provided for camping labour under "Ujjwala Yojna .
30. In the project where ground water is proposed as water source, the project proponent shall apply to the competent authority such as Central Ground Water Authority (CGWA) as the case may be for obtaining, No Objection Certificate (NOC).
31. Consideration of mining proposals involving violation of the EIA Notification, 2006, the project proponent shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court of India dated 02/08/2017 in WP © No. 114 of 2014 in the matter of Common Cause V/s Union of India & others before grant of TOR/EC. The under taking interalia includes commitment of the PP not to repeat any such violation in future as per MoEF&CC OM No. F.NO. 3-50/2017-IA.III (Pt.) dated 30/05/2018.
32. The mining project proponents involving violations of the EIA Notification, 2006 under the provisions of S.O. 804 (E) dated 14/03/2017 and subsequent amendments for TOR/EC shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 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 by CCF, Social Forestry Circle, Gwalior or any other competent agencies.
  - ✓ Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
  - ✓ Proposal for plantation in adjoining forest land through concerned DFO.

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

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