

The 434th meeting of the State Expert Appraisal Committee (SEAC) was held on 18th May, 2020 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing -

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

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

1. **Case No. - 5780/2018 M/s. Fortune Soumya Santoza, C/o Fortune Soumya Housing, Bagli, Behind C-21 Mall, Bhopal, MP – 462016. Prior Environment Clearance for Construction of Group Housing Project "Fortune Soumya Heritage" Khasra No. – 99/2, 122, 123, 132, 133, 134, 135/2, 136 to 162, at Village - Bhairapur, Tehsil - Huzur & Dist. -Bhopal, (M.P.). Total Project Area = 43981.27 sqm., Built up Area = 59892.30 sqm). Category: 8(a) Building & Construction Project. Env. Con. – ENV DAS India Pvt. Ltd., Lucknow (U.P.).**

This is case of Prior Environment Clearance for Prior Environment Clearance for Construction of Group Housing Project "Fortune Soumya Heritage" Khasra No. – 99/2, 122, 123, 132, 133, 134, 135/2, 136 to 162, at Village - Bhairapur, Tehsil - Huzur & Dist. -Bhopal, (M.P.). Total Project Area = 43,981.27 sqm., Built up Area = 59,892.30 sqm). Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

This case was scheduled in 335th SEAC meeting dated 01/12/2018 wherein ToR (for Violation) was recommended.

PP has submitted the EIA report vide letter dated 04/03/2020 which was forwarded through SEIAA vide letter no. 4972 dated 09/03/2020.

The case was scheduled for the presentation in 431th SEAC meeting dated 18/03/2020 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

In this meeting the EIA was presented by the PP and their consultant the presentation was started with the salient features of the project area as-

About The Project

Group Housing Project “Fortune Soumya Heritage” at Village Bhairapur, Tehsil Huzur, District-Bhopal, M.P. falls under Building and Construction project (Category 8a) of EIA notification 2006 as amended till date.

Regulatory Framework

As per the EIA Notification dated September 14th, 2006, the project falls in Project / Activity 8 (a) of the Schedule attached to the EIA Notification 2006 as amended till date. Therefore the project requires Environmental Clearance.

Construction activity of the project was started with effect from 2009, as authority was not aware of the provision of EIA notification, 2006. But after submission of application for Environmental Clearance to SEIAA, MP, they called for presentation on the project on 20.08.2013. During the discussion with SEAC it was noticed that the construction of our building without obtaining Environmental Clearance is violation of EIA notification, 2006. After that GDA stopped construction activity.

Chronology of the project:

- The application was submitted in MPSEIAA for environmental clearance on 29/12/2014.
- Project was appraised in 172th, 182nd & 255th SEAC meeting dtd. 22.02.2015, 28.03.2015 & 02.01.2016, respectively.
- Our submitted documents stated that the construction activity has already been initiated at site. The Committee decided that it is a case of violation of provisions of EIA Notification 2006.
- The committee returned the application to MPSEIAA for credible action as per O.M. of MOEF & CC dated 12-12-2012.

- SEIAA vide letter no. 10091 dated 31/12/2015 forwarded the case with documents pertaining to carryout site visit.
- A two member sub committee comprises Shri K. P. Nyati, Member SEAC, ShriManohar K. Joshi, Member SEAC & Dr. Sunil Sudhakaran, Scientist; MPPCB visited the site on 17/01/2016 along with the PP and their consultant.
- Site visit report was discussed in 277th SEAC meeting dated 31/5/16 and file sent to SEIAA.
- Project was further discussed in 255th, 345th & 352nd SEIAA meetings. Being a violation project, the authority was of the view to keep the projects in abeyance till finalization of draft notification by MoEF& CC, dated 10.05.2016, having direction to appraise the Violation cases.
- Ministry has issued notification S.O. 804 (E) dtd. 14.03.2017 providing guidelines to bring violation activities in compliance with environmental law at the earliest point of time.
- Considering the guidelines of MoEF&CC , EC application was rejected by MPSEIAA in 417 SEIAA meeting dated 20-03-17.
- The EC application was again submitted to EAC (violation) MoEF&CC on 20th July 2017 For grant of ToRs.
- Again the application was sent back to MPSEIAA considering the guidelines for appraisal as mentioned in S. O. 1030 (E) dated 08.03.2018.
- Project was appraised in 335th SEAC meeting dated 01.12.2018.
- ToR was issued vide letter no.432/PS-MS/MPPCB/SEAC/TOR(335)/2018 dated 22/12/2018.

PP further submitted that as this is a building and construction project and in the normal course, does not require EIA study. But, in view of the above notification of MoEFCC for violation project Terms of Reference have been received from MOEFCC. Hence EIA report has been prepared along with EMP comprising remediation plan and natural and community

resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.

S. No	Items	Details
1.	Type of Building	Residential
2.	Total Plot Area	43981.27 m ²
3.	Area of land under 24 m wide road	233.67 m ²
4.	Area of land under 18 m wide road	645.95 sqm
5.	Net Plot Area	43101.65 m² Total Area under plotted development- 19,842.6 m ² (Phase I) Area under multiunit development- 23,259.05 m ² (Phase II)
6.	Total Ground Coverage	For plotted Development Net plottable area of land – 11607.6 m ² For Multiunit Development Permissible Ground Coverage= 30% of 23259.6 m ² = 6977.88 m ² Proposed = 6198.6 m² (26.65%) For Informal Sector Ground Coverage = 242.45 m ² Total Ground Coverage= 18048.65 m²
7.	FAR	For Duplex Development Proposed FAR = 14509.5 m ² For Multiunit Development Proposed FAR= 37,670 m ² Proposed FAR = 52179.5 m²
8.	Total (Non- FAR area) (Stilt and other services)	Stilt Area: 6312 m ² Other Services: 431 m ² Informal Sector = 969.8 m ² Total: 7712.8 m²
9.	Built up area	59,892.3 m²
10.	Road and internal circulation space	18157 m ² (42%)
11.	Landscape	6896 m ² (16%)
12.	No. of Trees	Total no. of trees required: 1 Tree/ 100 m ² of Open Area = (Total Planning Area-Ground Coverage)/100 = 25052/100 =250

		Proposed: 1351 Trees (Already Planted)
13.	Number of floors & basements	(S+6) Floors + Stilt.
14.	No. of Units	No. of duplexes – 132 No. of units in multi dwelling unit – 642 Informal Sector – 40
15.	Parking facilities	Required Vehicle space/100 m ² of FAR area (Multiunit) i.e $37670.95 \text{ m}^2 / 100 = 376 \text{ Vehicle Space}$ Visitors parking – 10 Vehicle Space Total Parking Required - 386 Vehicle space Provided: Four wheeler (Stilt Area) @ 30 m ² per Vehicle Space = $6312/30 = 210 \text{ Vehicle Space}$ Open Parking = 176 Vehicle Space Provided – Stilt + Open = 386 Vehicle Space Individual parking for plotted development
16.	Power requirement & source	2258 kVA Source : Madhya Pradesh Kshetra Vidyut Vitran Company Limited
17.	Power Backup	1 DG sets of 125 kVA
18.	Water Requirement and Source	Fresh Water- 282 KLD Recycled Water- 124 KLD Source: Ground water till municipal supply is available
19.	Estimated Population (fixed + floating)	Residential including LIG: 4070 Visitors: 400 Staffs: 100
20.	Height of the Building	18 m + Stilt
21.	Connectivity	Bhopal city as well as the proposed project site has a perfect central connectivity to India's all metro cities and other important markets. The proposed site is located 1 km from NH-12 (Hoshangabad Road). Bhojpur road is 1.5 Km (E) from project site. The nearest railway station is Misrod Railway and Habibganj Railway Station which are at an aerial distance of 3 km (NE) and 9 km (NW) from the project site respectively. The nearest airport is the

		Raja Bhoj International Airport, which is about 20.5 km (NW) from the proposed site. Apart from this, State Road Transport bus services provide regular and frequent connectivity to the people to and from Bhopal.
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Committee observed that the PP has taken ground water abstraction permission from CGWB for 200 m³/day. PP further submitted that approx. 80% of the construction is completed and 133 possessions has been given. PP informed that for families residing in colony a STP of 100 KLD are functional for treatment of effluent and approx. 80 kg/day MSW is generated which is disposed through Municipal Corporation. PP informed that cost of remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation is calculated as suggested to them in their previous cases. After presentation and discussions following information was asked to submit by the PP:

1. Photographs of parking inside the campus.
2. Copy of logbook maintained for STP in this colony.

PP vide dated 20.05.2020 submitted the reply of the queries that were raised in 434th SEAC Meeting dated 20.05.2020, which was placed before the committee.

S. No.	Environment al Factor s/Attri butes	Remedial Plan/Augment ation Plan	Remedial Cost (in INR)		Environment al Management Plan	EMP Cost (in INR)/year		Remark	
			Capital Cost	Recurring Cost		Capital Cost	Recurring Cost		
1	Land use as per approved Master plan by T&CP, Bhopal								
	Constr uction Phase	No Violation				--	--	--	Land use of the project site was Residential as per Bhopal Master Plan 2005 attached
	Operat ion Phase	No Violation				--	--	--	Annexure - II
2	Environmental Sensitive places, land acquisition status, resettlement & rehabilitation (R&R)								

	Construction Phase	No Violation			--	--	--	Project involves no R&R issues. The Project is on joint Venture. Joint Venture Papers are attached. Annexure III
	Operation Phase	No Violation			--	--	--	
Baseline Environment Monitoring								
3	Construction Phase	For monitoring of air, water, soil & noise every six month for period of two years 1. Water: 4 GW sample @ 5000/sample 2. Air: 4 Sample @ 5000/sample, DG 2 sample @ 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set 2 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample	NA	7,50,000	For monitoring of air, water, soil & noise every six month 1. Water: 4 GW sample @ 5000/sample 2. Air: 4 Sample @ 5000/sample, 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set 2	NA		No environment monitoring was done at site on initial starting of the project since the project began in 2011. Hence 2013-14, 2014-15, 2015-16, 2016-17, 2017-18 & 2018-2019. This remediation plan is of 5 years. The Remediation plan of Rs. 7,50,000 will be spent

				sample @ 1000/sample			inside the project premises or outside the premises of the project in Plantation /Env Monitoring
				4. Soil: 2 sample @ 4000/sample			
Operation Phase	For monitoring of air, water, soil & noise every six month for period of five years 1. Water: 2 GW sample @ 5000/sample 2. Air: 2 Sample @ 5000/sample, 3. Noise: 2 sample @ 1000/sample, DG set 1 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample	NA	NA	For monitoring of air, water, soil & noise every six month 1. Water: 2 GW sample @ 5000/sample 2. Air: 2 Sample @ 5000/sample, DG 1 sample @ 5000/sample 3. Noise: 2 sample @ 1000/sample	NA	1,50,000	

					sample, DG set 1 sample @ 1000/sa mple 4. Soil: 2 sample @ 4000/sa mple			
4	Air Environment							
	Constr uction Phase	Water sprinkling	No Violation	No Violation	--	--	--	RMC WAS USED WHILE CONSTR UCTING
		Water pipeline-750m @ Rs 100/m	75,000		--	--	--	RMC WAS USED WHILE CONSTR UCTING
		200 Water Tanks of 7500 litre @ Rs. 1000	2,00,000		--	--	--	RMC WAS USED WHILE CONSTR UCTING
		Container for Storage of raw material	No Violation	No Violation	--	--	--	RMC WAS USED WHILE CONSTR UCTING
		Green Nets for covering building for 23259.55Sqm area @ Rs 5/Sqm	1,16,298		--	--	--	Proof is not available, therefore cost is taken in Remediati on Cost
		Barricading of construction area	50,000	Site boundary constructed	--	--	--	Project barricadin g was

								constructe d in start of Constructi on of project, therefore cost has not been included in the remediatio n cost. No proof available
		150Face mask @ Rs 100	15,000		--	--	--	Proof is not available, therefore cost is taken in Remediati on Cost
		Vehicle Inspection @ 15,000/year for 2 years		30,000	--	--	--	Proof is not available, therefore cost is taken in Remediati on Cost
	Operat ion Phase	Maintenance of 1 no. of DG set/year through AMC for 5 years @ 25,000/year		1,25,000		--	6,28,515	Maintena nce of 1 no. of DG set/year through AMC @ 20,000/ye ar
5	Waste Environment							
	Constr uction Phase	150 Dustbin @ Rs 200/each	30,000		--	2,17,000	--	Proof is not available, therefore cost is taken in Remediati
		Safety tapes for barricading the waste	10,000		--	--	--	

		Agency fee for collection & disposal Solid waste for 2 years @ Rs. 1000/month		24,000	--	--	--	on Cost
Operat ion Phase		15 Dustbin @ Rs 300/each	4,500		Agency fee for collecti on & disposal Solid waste @ Rs. 100/mo nth	1,50,000		MUNICIP AL CORPOR ATION NOC ATTACH ED FEES IS INCLUSI VE OF PROPER TY TAX also NOC Attached of MSW Disposing ANNEXU RE - V
		Agency fee for collection & disposal Municipal Solid waste		50,000		--	12,000	
		STP sludge disposal	No Violation	No Violat ion	STP sludge disposal	Will be used as manure	--	Sludge is being used for landscapin g purpose.
6	Water Environment							
	Constr uction Phase	Ground water abstraction	As there was no GW was abstracted because RMC was used. For curing other purpose water tanker was used	4,00,000	NA	NA	NA	Since bills of water tanker are not available. Remediat ion cost has been added @ 1,00,000 /year. The total remediation cost for 3 year plan is 3,00,000/-

	Construction of Toilets	No Violation	No Violation	NA	NA	NA	Toilet will be constructed in the future. Since no household of labors because labor is local & have their own households.
	Toilet maintenance and cleaning for 2 years @ 1000/month		24,000	NA	NA	NA	Proof is not available, therefore cost is taken in Remediation Cost
	STP installation of 450 KLD	No Violation	No Violation	NA	25,10,936		STP is constructed, Photos attached ANNEXURE - VI
	Construction of 6 RWH	No Violation	No Violation	NA	4,50,000	NA	6 RWH pits are constructed & CGWB compliance to be done.
Operation Phase	Abstraction of Ground water	No Violation	No Violation	NA	NA	NA	Water is being supplied through Municipal Supply. NOC is attached as Annexure VII

		STP operation and maintenance will be done @ Rs 5,000/month for 5 years	No Violation	No Violation	STP operation and maintenance @ Rs 5,000/month	NA	9,00,000	STP is FULL functional. Photos of STP Attached Annexure VIII
		Maintenance and cleaning of RWH system	No Violation	No Violation	Maintenance and cleaning of RWH system @ Rs 50,000/twice in a year	NA	2,00,000	Proof is not available, therefore cost is taken in Remediation Cost
		Cleaning and maintenance of water network @ Rs 50,000/twice in a year	No Violation	No Violation	Cleaning and maintenance of water network @ Rs 50,000/twice in a year	NA	2,00,000	
7	Occupational Health and Safety of construction worker							
	Construction Phase	First aid kit at site	50,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		PPE for labor	50,000		--	--	--	
		Health checkup for labor twice in a year for 50 LABOR @ 1000/ labor		50,000	--	--	--	
	Operation Phase	--			--	--	--	
8	Ecology Environment							
	Construction Phase	Cutting of Trees	No violation	No Violation	--	--	--	No tree was felled. No tree was

								present on the land. Attached affidavit Annexure - I
		Development of Green Area	No violation	No Violation		-	14,66,723	Green area will be developed in the project site. Plantation photos attached Annexure - IX
	Operation Phase	Maintenance of green area for 1 years after plantation	No violation	No Violation	Maintenance of green area for @ 2,40,000/annum	--	2,40,000	Gardner is allocated for maintenance of landscape.
9	Soil Environment							
	Construction Phase	Disposal of excavated soil (20,000 M³ , out of this 90% for backfilling & refilling = 18,000 M³). Rest 2,000 M³ in plantation	No violation as entire top soil was used in garden and back filling of plinth area.		NA	NA	1,50,000	Proof is not available; therefore cost is taken in Remediation Cost.
	Operation Phase	--			--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
10	Noise Environment							

	Constr uction Phase	Site barricading	No Violation	50,00 0	--	--	50,000	Proof is given of site barricadin g Annexure - X.
		Ear plugs for labour@ Rs 100/pcs (1000 pcs)	1,00,000			--	--	Proof is not available, therefore cost is taken in Remediati on Cost
	Operat ion Phase	Replacement of Vibration pads of DG set (once in five years)	No Violation	50,00 0	Replace ment of Vibrati on pads of DG set	50,000		Five years not completed yet. Hence cost is not taken in remediatio n cost
11	Energy Conservation							
	Constr uction Phase	--			--	--	--	
	Operat ion Phase	Installation of LED	No Violation		--	--	5,49,652	Proof is available photograp hs attached ANNEXU RE XI
		Solar Panel						
12	Transportation of Trucks							
	Constr uction Phase	Tarpaulin covers for trucks		50,000	--	--	--	Proof is not available. Thus 50,000 are used in remediatio n cost.
	Operat ion	--			--	--	--	
13	Disaster Management Plan							

		Earthquake resistant structure	No Violation	No Violation	--	--	--	Already included in cost of project
	Construction Phase	Fire fighting system	No Violation	No Violation			29,13,000	Fire NOC is obtained which is attached as Annexure XII.
	Operation Phase	Quarterly training@ 2,000/training for 5 years		30,000	Quarterly training@ 2,000/training		6,000	Cost is taken under remediation
	Total Cost		7,00,798	16,33,000		33,27,936/	74,65,890/	
		Remediation Cost	23,33,798/-		Cost of EMP	1,07,93,826/		
		Remaining Remediation Cost	23,33,798/-		Cost of EMP	1,07,93,826/		

Expenditure of Proposed Remediation Cost:

Expenditure shall be carried out in the area as per the need based assessment ENV CONSULTANT.

Activity	Remark	Total (INR)	First Year (INR)	Second Year (INR)	Third Year (INR)
1. Environmental Management					
Plantation of trees along the roadside area inside or outside the project	Plantation of trees near project site or any other nearby projects	13,00,000	13,00,000	-	-
2. Community resource development					
Help of municipal authority for maintenance of already developed park in bhel	Development of park	2,83,798	2,83,798	-	-
3. Natural resources augmentation					
Solar street light /led in nearby road side	30 @ Rs 25,000/ pieces	7,50,000	4,50,000	1,50,000	1,50,000
Total remediation cost (1+2+3)		23,33,798/-	2033798	1,50,000	1,50,000

Further, PP has proposed Rs. 1,07,93,826.00 (Rs. 33,27,,836.00/- as capital cost and Rs. 74,64,890.00/- as recurring cost) for EMP of this project.

As per above calculations, PP- M/s. Fortune Soumya Santoza, C/o Fortune Soumya Housing, Bagli, Behind C-21 Mall, Bhopal, MP has proposed to submit bank guarantee of INR 23,33,798/- towards Remediation Plan and Natural & Community Resource Augmentation Plan.

Committee after considering the reply recommends that PP may be asked to deposit the bank guarantee (BG) with three years validity of Rs.23,33,798/- (equivalent to amount proposed in remediation and resource augmentation 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 "Fortune Soumya Heritage" Khasra No. – 99/2, 122, 123, 132, 133, 134, 135/2, 136 to 162, at Village - Bhairampur, Tehsil - Huzur & Dist. -Bhopal, (M.P.). Total Project Area = 43981.27 sqm., Built up Area = 59,892.30 sqm). Category: 8(a) Building & Construction Project, subject to the following special conditions and submission of bank guarantee (BG) with three years validity of Rs. 23,33,798/- (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board :

I. Statutory Compliance

- i. The project proponent shall obtain all necessary clearance/permission 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 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.
- iv. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v. 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.
- vi. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.

- vii. 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.
- viii. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix. The provisions for the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.

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. Diesel power generating sets (1 X 125 KVA) 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 DG set (1 X 125 KVA) shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. Total fresh water (147 KLD) use during operation phase shall not exceed the proposed requirement as provided in the project details.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be to monitor 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 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 fire 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. 5 RWH Pits have been constructed by PP.
- xiv. All recharge should be limited to shallow aquifer.
- xv. No ground water shall be used during construction phase of the project.
- xvi. 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.
- xvii. 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.
- xviii. Sewage shall be treated in the STP (Capacity - 525 KLD, primary clarifier with desiltation chamber). 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.
- xix. During operation phase total 306 KLD waste water will be generated from the project which will be treated up to primary level by installing coarse and fine screen, evaporation tank, O&G removal grit chamber and primary settling tank.
- xx. The waste water generated from the project shall be treated in STP of 525 KLD capacity (based on FAB 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.
- xxi. No sewage or untreated effluent water would be discharged through storm water drains.
- xxii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxiii. 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 for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

VI. Water Management

- i. 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.
- ii. 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.

- iii. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste 2.1 ton/day) shall be segregated into wet garbage and inert materials.
- iv. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- v. 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.
- vi. 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.
- vii. 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.
- viii. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- ix. 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

- Total Green area in Project- 6896 (16% of the total plot area)
- Number of trees required: $25052\text{sqm}/100\text{ sqm}= 250$ trees
- Provided-1351 trees(Already planted at the site)
- i. No 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).
- ii. 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.
- iii. 6896sq meters of area shall be provided for green belt development as per the details provided in the project document.
- iv. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stock piled appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

- v. 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.

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. Parking's arrangement for 386 ECS shall be provided as proposed by PP.
- 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. Corporation 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. CER @ 1.5% of the project cost shall be disbursed for various activities adding activities related to COVID-19.
- vi. PP has proposed Rs. 1,07,93,826.00 (Rs. 33,27,,836.00/- as capital cost and Rs. 74,64,890.00/- as recurring cost) for EMP of this project.
- vii. The PP- M/s. Fortune Soumya Santoza, C/o Fortune Soumya Housing, Bagli, Behind C-21 Mall, Bhopal, MP has proposed to submit bank guarantee of INR 23,33,798/- towards Remediation Plan and Natural & Community Resource Augmentation Plan.

XI. Miscellaneous

- i. Total Solid Waste generated from Project will be 2100 kg/day.

- ii. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.
- iii. 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)
- iv. 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).
- v. 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.
- vi. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

2. Case No.5949/15 M/s Aarone Developers Pvt. Ltd, 6th floor, Office Tower Select City Walk, A-3 District Center Saket, New Delhi – 110017 Prior Environment Clearance for Proposed Area Development and Township Project "County Walk" (Total Plot Area: 8,08,110 sqm, Total Planning Area: 7,81,340.0 sqm) at Khasra no 12/3, 12/7, 12/4, 12/5, 46/1/2/3, 12/6 (P), 12/8, 14, 15/1, 17/1, 17/2, 19, 18/1, 36, 37, 38, 39, 48, 49,40/1, 46/1/1(P), 46/1/1/2, 46/1/2/1, Village - Jalariya, Tehsil & Dist. Indore, MP.Environment Consultant- ENV DAS (India) Pvt. Ltd.

This is case of Prior Environment Clearance for Proposed Area Development and Township Project "County Walk" (Total Plot Area: 8,08,110 sqm, Total Planning Area: 7,81,340.0 sqm) at Khasra no 12/3, 12/7, 12/4, 12/5, 46/1/2/3, 12/6 (P), 12/8, 14, 15/1, 17/1, 17/2, 19, 18/1, 36, 37, 38, 39, 48, 49,40/1, 46/1/1(P), 46/1/1/2, 46/1/2/1, Village - Jalariya, Tehsil & Dist. Indore, MP.

This case was scheduled in 352nd SEAC meeting dated 18/03/2019 wherein ToR (for Violation) was recommended.

PP has submitted the EIA report vide letter dated 10/12/2019 which was forwarded through SEIAA vide letter no. 3661 dated 02/01/2020.

The case was scheduled for EIA presentation in the 422nd SEAC meeting dated 10/02/2020, wherein 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 418th SEAC meeting dated 23/01/2020. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was scheduled in 428 SEAC meeting dated 29-02-20PP for EIA presentation and discussion wherein it was brought to the notice of committee that PP vide letter dated 27/02/20 has requested that due to unavoidable condition he is unable to appear for the presentation and requested for 60 days time for presentation. Committee after deliberation decided to call the PP after 45 days in subsequent meetings of SEAC to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

In this meeting the EIA was presented by the PP and their consultant the presentation was started with the salient features of the project area as-

Particulars	Details
Location	Village-Jalariya, District-Indore, Madhya Pradesh
Type of Industry	Township and Area Development
Category	B (Violation case), Schedule 8(b)
Latitude & Longitude	22°46'0.17"N ,75°57'15.52"E
Elevation (m) amsl	556 m
Current status of land	Residential area as per Indore Master plan.
Type of facilities	Plotted Development Group Housing Club House
Nearest Highway	NH-3 (Mumbai-Agra): 5.5 km (W) NH 59 A : 9.5 Km (S) SH 27: 10Km (W)
Nearest railway station	Laxmibainagar Railway Station: 10 km(W) MangaliyaGaon Railway Station: 7 Km (NW)
Nearest airport	Devi AhilyabaiHolkar airport : 15 Km (W)
Protected areas as per Wildlife Protection Act, 1972 (Tiger reserve, Elephant reserve, Biospheres, National parks, Wildlife sanctuaries, community	None

reserves and conservation reserves)	
Reserved/Protected Forests	None
Rivers/Lakes	Hingoniya lake 1.5 Km (E) Saraswati river 7.5 Km (NW) Kharjana lake 6.5 km(SW)
Archaeological important places	None
Seismic zone	Seismic Zone III.
Defence installations	none

About The Project

The Proposed project “County Walk” at Khasra no 12/3, 12/7, 12/4, 12/5, 46/1/2/3, 12/6 (P), 12/8, 14, 15/1, 17/1, 17/2, 19, 18/1, 36, 37, 38, 39, 48, 49,40/1, 46/1/1(P), 46/1/1/2, 46/1/2/1, Village - Jalariya, Tehsil & Dist. Indore, MP. Total Plot Area - 8,08,110sq.mtr and Total Planning Area: 7,81,340.0 sqm.falls under Township & Area Development ProjectCategory: 8(b)of EIA notification 2006 as amended till date.

Regulatory Framework

As per the EIA Notification dated September 14th, 2006, the project falls in Project / Activity8 (a) of the Schedule attached to the EIA Notification 2006 as amended till date. Therefore the project requires Environmental Clearance.

Construction activity of the project was started with effect from 2009, as authority was not aware of the provision of EIA notification, 2006. But after submission of application for Environmental Clearance to SEIAA, MP, they called for presentation on the project on 20.08.2013. During the discussion with SEAC it was noticed that the construction of our building without obtaining Environmental Clearance is violation of EIA notification, 2006. After that GDA stopped construction activity.

GDA also committed and submitted details of violation of construction activities undertaken as per MoEFCC, GoI, O.M no. J-110131/41/2006-IA-II dated 12.12.2012 and OM dated 27.06.2013.

Chronology of the project:

- The application was submitted to MPSEIAA on 09/11/2009 for the grant of prior Environment Clearance. Application was taken up in 40th SEAC meeting dtd 25.11.2009 for appraisal.
- After this the application was discussed several times in SEAC and SEIAA and the case was recommended thrice by SEAC for the grant of EC. Meanwhile few plots were sold to

individuals, who started the construction work. Builder has also developed some infrastructure in order to provide the services committed to the plot owner, which includes roads, clubhouses, overhead tanks etc, but as per PP the built up area constructed is below 20,000 m².

- A SEAC subcommittee visited the project in July 2012 and the report was discussed in 103rd and 109th SEAC meeting dtd 12/09/2012 and 06/11/2012, respectively. The report recorded ongoing construction work at site without the prior environment clearance.
- During discussions, SEIAA in its 155th meeting dtd 08/08/2014 decided that the case is of violation on account of starting the construction work without securing the prior EC.
- Credible action had been initiated against the project in court of CJM Indore, as per the O. M. dtd 12.12.12.
- Case was again discussed in 280th and 284th SEAC meeting dtd 31/08/2016 & 26/11/2016 respectively, and the case was recommended for the grant of EC. SEIAA, in its 395th meeting dtd. 19-12-2016 decided to keep the case in abeyance till further directives are issued from the MoEF for violation cases.
- After the notification issued by MoEF dtd. 14/03/2017 for the provisions to deal with violation cases SEIAA delisted the case in its 417th meeting 20/03/2017.
- The EC application was again submitted to EAC (violation) MoEF & CC on 14th September 2017 for grant of ToR.
- Again the application was sent back to MPSEIAA considering the guidelines for appraisal as mentioned in S. O. 1030 (E) dated 08.03.2018.
- Project was appraised in 352nd SEAC meeting for ToR on 18.03.2019
- ToR was issued vide letter no.164/PS-MS/MPPCB/SEAC/TOR(352)/2019 dated 24/04/2019.

EIA report has been prepared along with EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.

Project Details

S. No.	Particulars	Area (sqm)	Area (ha.)	Percentage (%)
1.	Total Land Area	808110	80.811	-
2.	Area under 45.0 M wide control road	19277	1.9277	-
2.	Area Under Master plan road	7480	0.7487	-

3.	Area for Development	781340	78.134	100.00
4.	Area under Plotted development	412220	41.222	52.76
5.	Area under Group housing	23237	2.3237	2.97
6.	Area under Commercial	23134	2.3143	2.96
7.	Area under School	2700	0.27	0.35
8.	Area under Services	6495	0.6495	0.83
9.	Area under Health Centre/Amenties	4775	0.4775	0.61
10.	Area under Garden / Park / Open	78843	7.8843	10.09
11.	Area under Roads	211634	21.1634	27.09
12.	Area under informal Sector	18293	1.8293	2.34

Population Details

S.No.	Details	No of Units	Population
1.	Residential		
	Plot, group housing and EWS	4,035	20,175
	Visitors (5% of total population)	--	1000
		Total (a)	21,175
2	Commercial		
3.	Staff	--	4,323
4.	Visitor	--	550
		Total (b)	4,876
5.	School	1	1000
		Total (a+b+c)	27,048

Green Area Calculation

S. No.	Description	Area (in Ha)
1	Green area under organized Green	7.8843
2	Green area under plotted development	10.30
3	Green area under Group Housing	0.93
4	Green area under Commercial	0.81
5	Green area under Roads	4.08

6	Green area under clubs	0.644
7	Green area under School	0.108
8	Green area under EWS	0.27
9	Total Green area in Project	25.0263 (32% of the total plot area)

Construction Status:

As of now, only 5% construction work is completed and approx. 80 families are residing which amount total occupancy of 300 persons.

Water Supply

During operational phase, total 1478 KLD fresh water will be required which will be met from Ground Water Supply.

Waste water Generation and Treatment:

Fresh Water	1478KLD
Flushing	520 KLD
Horticulture / Landscape	750 KLD
Other Uses	20 KLD
Total Water Requirement	2768 KLD
Source of water - Ground water supply (For which permission has been obtained from CGWA) & Narmada Water Supply Scheme phase III)	
Treated recycled water- 1290 KLD	
Waste water - 1898 KLD STP Capacity - 2500 KLD (3 modules, 1000 KLD+1000 KLD+500 KLD) STP of 500 KLD capacity is already installed (100 KLD module functional & 400 KLD stand by). Recycled water will be mostly used in landscape area and will try to maintain zero discharge .	

Storm Water Management Plan:

Total 30 nos. of RWH will be provided for roof top rainwater harvesting. 7 pits are already constructed.

Solid waste generation/ Disposal:

Solid waste generated in Project area will be **13391kg/day** and mainly of domestic nature.

Horticulture waste: 926 kg/day

Power Requirement:

The power shall be supplied by Madhya Pradesh Madhya Kshetra Vidyut Vitran Company Limited. The sanctioned Load for the project 12500 KW

Details of the DG sets: There is a provision of DG sets with 2 x 500 KVA capacities.

Parking Facilities:

Parking will be provided on surface in Group housing, Commercial area & School. In plotted developments parking will be provided within the plots.

Landscaping:

- Green area under Garden / Park / Open .- 78843 sqm (10% of net plot area)
- Total Green area in Project- 25.0263 (32% of the total plot area)
- Number of trees required: 78843sqm/80 sqm= 985 trees
- Provided-990 trees(Already planted at the site)

Fire Fighting system:

Adequate fire protection facilities will be installed including fire detectors, fire alarm and fire fighting system to guard the building against fires. All fire protection facilities will be designed as per the National Building Code given in 2005.

Committee observed that the PP has taken ground water abstraction permission from CGWB for 2200 m³/day. Also PP has constructed only 5 % of total construction till date.

The remediation plan and natural community resource augmentation plan presented by PP is as follows:

S. No.	Environmental Factors/Attributes	Remedial Plan/Augmentation Plan	Remedial Cost (in INR)		Environmental Management Plan	EMP Cost (in INR)/year		Remark
			Capital Cost	Recurring Cost		Capital Cost	Recurring Cost	

1	Land use as per approved Master plan by T&CP, Indore							
	Construction Phase	No Violation			--	--	--	Land use of the project site was Residential as per Indore Master Plan 2021 attached in slide below
	Operation Phase	No Violation			--	--	--	
2	Environmental Sensitive places, land acquisition status, resettlement & rehabilitation (R&R)							
	Construction Phase	No Violation			--	--	--	Project involves no R&R issues.
	Operation Phase	No Violation			--	--	--	
3	Baseline Environment Monitoring							

	Construction Phase	For monitoring of air, water, soil & noise 1. Water: 4 GW 2. Air: 4 Sample 3. Noise: 2 sample 4. Soil: 2 sample	NA	1,50,000	For For monitoring of air, water, soil & noise 1. Water: 4 GW 2. Air: 4 Sample 3. Noise: 2 sample 4. Soil: 2 sample	NA		No environment monitoring was done at site on initial starting of the project The Remediation plan of Rs. 1, 50,000 will be spent inside the project premises or outside the premises of the project in Plantation.
	Operation Phase	For monitoring of air, water, soil & noise 1. Water: 4 GW 2. Air: 4 Sample 3. Noise: 2 sample 4. Soil: 2 sample	NA	NA	For monitoring of air, water, soil & noise 1. Water: 4 GW 2. Air: 4 Sample 3. Noise: 2 sample 4. Soil: 2 sample	NA	1,50,000	
4	Air Environment							
	Construction Phase	Water sprinkling	No Violation	No Violation	--	--	--	RMC was used while constructing
		Water pipeline-100m @ Rs 100/m	10,000		--	--	--	RMC was used while constructing

		25 Water Tanks of 1500 litre @ Rs. 300	7500		--	--	--	RMC was used while constructing. water was used in curing.
		Container for Storage of raw material	No Violation	No Violation	--	--	--	RMC was used while constructing
		Green Nets for covering building for 1,000 Sqm area @ Rs5/Sqm	5,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		Barricading of construction area	50,000	Site boundary constructed	--	--	--	Project barricading was constructed in start of Construction of project, therefore cost has not been included in the remediation cost. No proof available
		200 Face mask @ Rs 100	20,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		Vehicle Inspection @ 15,000/year for 2 years		30,000	--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Operation Phase	DG set not installed yet.	-	-	-	--	-	No Remediation cost
5	Waste Environment							
	Construct ion Phase	50 Dustbin @ Rs 200/each	10,000		--		--	Proof is not available; therefore cost is taken in

		Safety tapes for barricading the waste	5,000		--	--	--	Remediation Cost.
		Agency fee for collection & disposal Solid waste for 2 years @ Rs. 1500/month		20,000	--	--	--	
	Operation Phase	50 Dustbin @ Rs 300/each	15,000		Agency fee for collection & disposal Solid waste @ Rs. 1000/month			Proof is not available; therefore cost is taken in Remediation Cost.
		Agency fee for collection & disposal Municipal Solid waste		10,000		--	12,000	
		STP sludge disposal	No Violation	No Violation	STP sludge disposal	Will be used as manure	--	Sludge is being used for landscaping purpose.

6.	Water Environment	
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	Constructi on Phase	Ground water abstraction	As there was no GW was abstracted because RMC was used. For curing other purpose water tanker was used	1,50,000	NA	NA	NA	Since bills of water tanker are not available. Remediation cost has been added @ 50,000 /year. The total remediation cost for 3 year plan is 1,50,000/-
		Construction of Toilets	No Violation	No Violation	NA	NA	NA	Not constructed since the labour is local & have their own households
		Toilet maintenance and cleaning for 2 years @ 1500/month		36,000	NA	NA	NA	Not constructed since the labour is local & have their own households
		STP installation of 2500 KLD	No Violation	No Violation	NA	NA	NA	STP already installed,(Photographs attached)
		Construction of 7 RWH	No Violation	No Violation	NA	1,00,000	NA	RWH pits are to be constructed. 7 pits have already been constructed.
	Operation Phase	Abstraction of Ground water	No Violation	No Violation	NA	NA	NA	Water is being supplied through Ground Water. NOC is attached (Refer Slide below)
		STP operation and maintenance	No Violation	No Violation	STP operation and maintenance @	NA	NA	STP already installed.(Photographs

		will be done @ Rs 7,500/month for 5 years			Rs 7,500/month			Attached)
		Maintenance and cleaning of RWH system	No Violation	50,000	Maintenance and cleaning of RWH system @ Rs 50,000/once in a year	NA	NA	Proof is not available, therefore cost is taken in Remediation Cost
		Cleaning and maintenance of water network @ Rs 50,000/once in a year	No Violation	50,000	Cleaning and maintenance of water network @ Rs 50,000/once in a year	NA	NA	
7	Occupational Health and Safety of construction worker							
	Constructi on Phase	First aid kit at site	30,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		PPE for labor	50,000		--	--	--	
		Health checkup for labor twice in a year for 50 LABOR @ 1000/ labor		50,000	--	--	--	
	Operation Phase	--			--	--	--	
8	Ecology Environment							

	Constructi on Phase	Cutting of Trees	No violation	No Violation	--	--	--	No tree was felled. No tree was present on the land. Attached affidavit
		Development of Green Area	No violation	No Violation		-	1,50,0 00	Green area has already been developed at the project site. Plantation photographs are attached (Refer Slide below)
	Operation Phase	Maintenance of green area for 1 years after plantation	No violation	No Violation	Maintenance of green area for @ 2,40,000/annum	--	2,40,0 00	Gardner is allocated for maintenance of landscape.
9	Soil Environment							
	Construction Phase	Disposal of excavated soil in backfilling refilling & plantation	No violation as entire top soil was used in garden and back filling of plinth area.		NA	NA	1,50,000	Proof is not available of excavation.
	Operation Phase	--	50,000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
10	Noise Environment							

	Construction Phase	Site barricading	No Violation	1,50,000	--	--	50,000	Proof is not given , therefore cost is taken in Remediation Cost
		Ear plugs for labour@ Rs 100/pcs (1000 pcs)	1,00,000			--		Proof is not available, therefore cost is taken in Remediation Cost
	Operation Phase	No DG Set present at the site	No Violation			-		No remediation cost Required
11	Energy Conservation							
	Construction Phase	--			--	--	--	
	Operation Phase	Installation of LED	2,00,000		--	--		Proof is not available. Hence cost is taken in remediation cost
		Solar Panel						Photographs are attached
12	Transportation of Trucks							
	Construction Phase	Tarpaulin covers for trucks		50,000	--	--	--	Proof is not available. Thus 50,000 is used in remediation cost.
	Operation	--			--	--	--	
13	Disaster Management Plan							
	Construction Phase	Earthquake resistant structure	No Violation	No Violation	--	--	-	This is plotted development

		Fire fighting system	No Violation	No Violation		--	-	This is plotted development. No fire fighting measures installed.
	Operation Phase	Quarterly training@ 2,000/training for 5 years		30,000	Quarterly training@ 2,000/training		6,000	Cost is taken under remediation
	Total Cost		5,02,500	7,76,000		1,00,000	7,58,000	
		Remediation Cost	12,78,500/-		Cost of EMP	8,58,000		

Expenditure of Proposed Remediation Cost:

Activity	Remark	Total (INR)	First Year (INR)	Second Year (INR)
1. Environmental Management				
Plantation of Trees along the roadside area inside or outside the project	Plantation of trees near County Walk or any other nearby projects	3,00,000	2,00,000	1,00,000
Installation of Fire Systems Fighting Equipments	Installation of Fire Fighting Equipments in Future Construction	5,50,000	4,50,000	1,00,000
2. Community Resource Development				
Help of Municipal Authority for maintenance of already developed Park	Development of Publics Parks in the city	2,28,500	1,00,000	1,28,500
3. Natural Resources Augmentation				
Solar street light /LED in nearby road side	8 @ Rs 25,000/ pieces	2,00,000	2,00,000	-

Total Remediation Cost (1+2)		12,78,500/-	9,50,000/-	3,28,500
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Further, PP has proposed Rs. 8,58,000 (Rs. 1,00,000/- as capital cost and Rs. 7,58,000/- as recurring cost) for EMP of this project. PP has proposed to submit bank guarantee of INR 12,78,500/-towards Remediation Plan and Natural & Community Resource Augmentation Plan.

Committee after considering the reply recommends that PP may be asked to deposit the bank guarantee (BG) with three years validity of Rs.12,78,500/-(equivalent to amount proposed in remediation and resource augmentation 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 Proposed Township and Area Development Project “County Walk” at Khasra no 12/3, 12/7, 12/4, 12/5, 46/1/2/3, 12/6 (P), 12/8, 14, 15/1, 17/1, 17/2, 19, 18/1, 36, 37, 38, 39, 48, 49,40/1, 46/1/1(P), 46/1/1/2, 46/1/2/1, Village - Jalariya, Tehsil & Dist. Indore, MP. (Total Plot Area - 8,08,110sq.mtr and Total Planning Area: 7,81,340.0 sqm.) Category: 8(b). Township & Area Development Project subject to thefollowing special conditions and submission of bank gurantee (BG) with three years validity of Rs. Rs. 12,78,500/-(equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board :

I. Statutory Compliance

- i. The project proponent shall obtain all necessary clearance/permission 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 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.
- iv. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v. 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.

- vi. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- vii. 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.
- viii. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix. The provisions for the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.

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. Diesel power generating sets (2 X 500 KVA) 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 DG set (2 X 500 KVA) shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. Total fresh water (1478KLD) use during operation phase shall not exceed the proposed requirement as provided in the project details.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be to monitor 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 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 fire 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, 30 recharge pits will be constructed for harvesting rain water. The total recharge capacity of pits is about 2555.5m³. Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit. All recharge should be limited to shallow aquifer.
- xiv. No ground water shall be used during construction phase of the project.
- xv. 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.
- xvi. 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.
- xvii. Sewage shall be treated in the STP (Capacity - 2500 KLD, 3 modules, 1000 KLD+1000 KLD+500 KLD) primary clarifier with desiltation chamber). 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.
- xviii. During operation phase total 1898 KLD waste water will be generated from the project which will be treated up to primary level by installing coarse and fine screen, evaporation tank, O&G removal grit chamber and primary settling tank.
- xix. Sewage shall be treated in the STP based on MBBR based technology (Capacity - 2500 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. No sewage or untreated effluent water would be discharged through storm water drains.

- xx. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxi. 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 for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

VI. Water Management

- i. 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.
- ii. 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.
- iii. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (13391kg/day) shall be segregated into wet garbage and inert materials.
- iv. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- v. 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.
- vi. 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.
- vii. 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.
- viii. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- ix. 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 990 trees shall be planted in the area of 78843 sqm which shall be 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 included

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. Total Green area in Project is 25.0263 Ha shall be provided for green belt development as per the details provided in the project document.
- v. 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.
- vi. 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. Parking's arrangement for 179 ECS shall be provided as proposed by PP.
- 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. Corporation 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. PP has proposed Rs. 8,58,000 (Rs. 1,00,000/- as capital cost and Rs. 7,58,000/- as recurring cost) for EMP of this project and Rs 12,78,500/-as remediation cost.

- vi. CER Rs. 90.00 lacks shall be disbursed for various activities adding activities related to COVID-19.
- vii. The PP M/s. AARONE DEVELOPERS PVT. LTD. has proposed to submit bank guarantee of INR 12,78,500/-towards Remediation Plan and Natural & Community Resource Augmentation Plan.

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.

3. Case No 7010/2020 M/s Ultimate Builders, G-2/G-17, Kamdhenu Tower, E-2/21, Arera Colony, Bhopal, MP Prior Environment Clearance for Proposed Housing Development Project "Ultimate English Vilas" (Total Land Area = 69851.60 sqm, Net Plot Area = 64971.95 sqm Total Built up Area = 86905.23 sqm) at Village - Borda, PH No. 29, Tehsil - Huzur, Kolar Road, Dist. Bhopal , (MP).

This is case of Prior Environment Clearance for Construction of Proposed Housing Development Project "Ultimate English Vilas" (Total Land Area = 69851.60 sqm, Net Plot Area = 64971.95 sqm Total Built up Area = 86905.23 sqm) at Village - Borda, PH No. 29, Tehsil - Huzur, Kolar Road, Dist. Bhopal , (MP)Cat. - 8(a) Building and Construction Projects.

This case was presented by PP and their consultant in this meeting starting with chronology of the project as-

- The case was appraised in 274th MPSEAC meeting dtd 12th April 2016.. During scrutiny of documents it was observed that it's a case of violation which is evident from the affidavit and resolution of board of directors submitted by the PP along with application from stating that approx. 40% of the project already constructed prior to submission of the application for grant of environmental clearance State Expert Appraisal Committee minutes of 274th meeting 12th April 2016 40.
- Since it's a clear case of violation, the committee after deliberations decided to refer back this case to SEIAA for credible action as per MoEF&CC OM dated 12/12/2012. It was decided in the 352 SEIAA meeting dated 08-07-16 that till date the final notification has been issued by MoEF & CC and therefore case will continue to be kept in abeyance.
- After that Ministry has issued notification S.O. 804 (E) dtd. 14.03.2017 provided guidelines to bring violation activities in compliance with environmental law at the earliest point of time. Considering the guidelines of MoEF &CC , EC application was rejected by MPSEIAA in 417th SEIAA meeting dated 20-03-17.
- The EC application was again submitted to EAC (violation) MoEF &CC on 12th September 2017 for grant of ToR. Again the application was sent back to MPSEIAA considering the guidelines for appraisal as mentioned in S. O. 1030 (E) dated 08.03.2018.
- Project was again submitted to MPSEIAA dated 20.3.2020 for grant of ToR.
- Baseline monitoring period: December 2017-February 2018 (Already done).
- Approx. 40% of construction work has already been completed at the project site in which 12 units are under possession.
- Presently no construction is going on at the project site.

Committee considering the recent GoI, MoEF & CC Notification dated 8th March, 2018 recommends that case may be dealt as per the provisions laid down in this notification and the project may granted Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as a independent chapter in the EIA report by the accredited consultant and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories.

Hence committee recommended to issue additional TOR as per notification dated 08th March 2018 along with standard TOR prescribed by the MoEF&CC for conducting the EIA as follows:-

1. Project description, its importance and the benefits.
2. Project site detail (location, toposheet of the study area of 10 Km, coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage.
3. Land use as per the approved Master Plan of the area, permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board etc.
4. Land acquisition status, R & R details.
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 Km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection Act, 1972 and/or the Environment (Protection) Act, 1986.
6. Baseline environmental study for ambient air (PM10, PN2.5, SO₂, NO_x & CO), water (both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/CPCB guidelines at minimum 5 locations in the study area of 10 Km.
7. Details on flora and fauna and socio-economic aspects in the study area.
8. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.)
9. Sources of water for different identified purpose with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
10. Waste water management (treatment, reuse and disposal) for the project and also the study area
11. Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.
12. Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
13. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environmental (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
14. Preparation of EMP comprising remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.

15. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.

4. Case No. 6537/2019 M/s Ipca Laboratories Ltd., Shri Manoj Kumar Mittal, Vice President, C-89 to C-95, MIDC Area, MIDC Mahad, Dist. Raigad, Mah. Prior Environment Clearance for Proposed in production capacity of intermediates, API, API-Oncology and R&D Products at Plot No. 19A, 19-B, 20-A, 20-B, 21-A, 21-B, & 22, Industrial Area No. 1, Dist. Dewas, MP.

The project is a Manufacturing of Synthetic Organic Chemicals, Bulk Drug & its intermediates in category 5(f). The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

The case was presented by the PP and their consultant in 402nd meeting dated 5/11/2019 and 425th SEAC meeting dated 25/02/2020 wherein TOR was recommended.

PP has submitted the EIA report vide letter dated 04/5/2020 which was forwarded through SEIAA vide letter no. 53 dated 06/05/2020

The EIA was presented by PP and their consultant presented before the committee. During presentation committee deliberated about the issue of discharge by industries & city sewage in nearby Naghdhavan Nallah (as reported in news papers some times back) which ultimately meets River Khipra for which PP submitted that they will maintain “Zero Liquid Discharge” condition. PP further submitted that this project is located in industrial area and the distance of Naghdhavan Nallah from the project site is > 1.00 Kms. Committee after deliberations recommends that PP shall explore the possibility of planting additional 1000 trees along the banks of Naghdhavan Nallah under CER with the help of local administration. After detail discussion committee Committee has asked the PP to submit the following information:

- Provision of ATFD for making unit “Zero Liquid Discharge”.
- Revised Hazardous waste table as suggested by committee.
- Commitment of PP that 10 times trees will be planted against trees proposed for uprooting.
- Commitment of PP for installing one Ambient Air Quality Monitoring Station in Dewas Industrial Area for awareness.
- Commitment of PP for contribution in CER for COVID related activities.

PP vide letter dated 20/05/2020 submitted reply of the above query. The PP has submitted query reply on the same was placed before the committee 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 Proposed Expansion in Production Capacity of Intermediate, API, API –Oncology & R&D Products at Plot No. 19-A, 19-B, 20-A, 20-B, 21-A, 21-B & 22 Industrial Area No. 1, Dist. Dewas, Madhya Pradesh- 455001, Capacity – 5,017.5 TPA in Cat. - 5(f) Project Synthetic Organic Chemicals Industry subject to the following special conditions:

Details of Proposed Products Requiring EC

S. No.	Type of Product	Name of Products	Total Production Capacity (TPA)
1	Intermediate	4,7-Dichloroquinoline (4,7 DCQ), 3-Aminopyrazole-4-carboxamide (3 APC), 2-Butyl -4-Chloro-5-Formyl Imidazole (BCFI), OTBN, MEP, HNDA, NDA, Lasamide, DSA, MV-1 HCl, CPSP, MKI, RoBo 7, Clopi-II, AABO, 4-HOK, PTU, 4-TBD, 4-HBS, Ritanilic acid	2,200
2	API	Allopurinol, Amlodipine Besylate, Amodiaquine Base, Amodiaquine HCl, Aripiprazole, Atovaquone, Bezbromorone, Bupropion, Chloroquine phosphate , Chloroquine sulphate, Chlorothalidone, Duloxitine, Escitalopram, Etodolac, Famotidine, Flumequine, Gliclazide, Hydroxy Chloroquine sulphate , Lamotrigine, Levofloxacin, Lumefantrine, Valsartan, Metaclopramide HCl, Nifedipine, Ondansetron, Piperaquine Phosphate, Pregabline, Primaquine Phosphate, Proguanil Base, Telmisartan, Trazadole, Losartan Potassium, Furosemide	2,800
3	API-Oncology	Baricitinib, Muthotrexate, Tofacitinib, Upadacitinib	7.5
4	R & D Products	-	10
Total Production Capacity			5,017.5

Details of Proposed Non-EC Products

S. No.	Name of Products	Total Production Capacity per Annum
1	Tablets	200 Lac
2	Injections	50 Lac

(A) Statutory compliance:

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

(B) Air quality monitoring and preservation

1. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
2. The project proponent shall install system to carry out Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released e.g. PM10 and PM2.5 in reference to PM emission and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each) covering upwind and downwind directions. The project proponent shall install one continuous ambient air quality monitoring system in Dewas industrial area and display its results through display board for public awareness. The location of this station shall be finalized in consultation with the regional officer, M. P. Pollution Control Board, Dewas.
3. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal / / Bio Briquette for use in coal// Bio Briquette fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions from the boiler, DG set and scrubber shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
4. Storage of raw materials, coal / Bio Briquette etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

5. The 2 DG sets (2nos.X 1000 KVA = 2000kVA) shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
6. DG exhaust will be discharged at height stipulated by CPCB.
7. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
8. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

(C) Water quality monitoring and preservation

1. The project proponent shall provide online continuous monitoring of effluent by installing web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
2. As already committed by the project proponent Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
3. 718 KLD water will be consumed from Dewas Water Project Works Private Limited (formerly known as Anjar Water Solution Pvt. Ltd.) water supply. The effluent shall (531 KLD) be segregated as high COD/High TDS and Low COD/Low TDS effluents and Sewage. The HCOD/HTDS shall be neutralized and sent to stripper followed by MEE and ATFD. LCOD/LTDS effluent shall be treated in ETP followed by RO / MEE system, domestic effluent shall be treated in STP. The treated effluent shall be ~~entirely~~ reused and recycled in cooling tower make-up /Boiler feed and treated sewage shall be used in gardening.
4. Adhere to 'Zero Liquid Discharge and No industrial effluent from the unit shall be discharged outside the plant premises. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
5. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the Madhya Pradesh Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
6. Total fresh water requirement shall not exceed 718 KLD and as proposed Dewas Water Project Works Private Limited shall provide the fresh water.
7. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.

8. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to be stored and utilize the same for different industrial operations within the plant.
9. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

(D) Noise monitoring and prevention

1. Acoustic enclosure shall be provided to 2 nos.X 1000 KVA = 2000kVA sets for controlling the noise pollution.
2. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
3. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

(E) Energy Conservation measures

1. The energy sources for lighting purposes shall preferably be LED based.
2. The total power requirements for project will be 3500KVA. The power will be supplied by Power Generator i.e. Grid power (Madhya Pradesh Paschim Kendra VidyutVitaran Company Ltd.).

(F) Waste management

1. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
2. Hazardous wastes such as
 - a) Process Residue & Waste, Spent Carbon, Date expired Products (0.5% of total production capacity), Off specification products (0.5% of total production capacity), Contaminated cotton Rugs and other cleaning material, Spent Filter media, Spent iron exchange resin, Spent / Waste Solvent from Process and ETP ZLD System, Any process or distillation residue, shall be directly sent to incineration at CHWIF atPithampur or send for co- processing at authorized cement industry or Pre-processing.
 - b) Sludge / MEE salt from Wastewater Treatment Plant, Asbestos Sheet shall be directly sent to MPWMP for Disposal atPithampur
 - c) Used Oil/ Spent oil, Process mother liquor, Corrosive waste acid / caustic lye, Spent catalyst shall be sent to authorized decontamination facility/ recyclers or reuse.

- d) The Fly ash generated from boilers shall be stored in silos/ covered shed and disposed of through cement manufacturers by bulkers / closed containers and should comply with Fly Ash Utilization Notification, 1999 and as amended subsequently.
- e) If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
- f) Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
- g) In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.
- h) Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.
- i) The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
- j) Storage areas should be provided with adequate number of spill kits at suitable locations. The spill kits should be provided with compatible sorbent material in adequate quantity.
- k) Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
- l) Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
- m) All the storage tanks of raw materials/products shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls of suitable height shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.
- n) Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
- o) Process organic residue and spent carbon, if any, shall be sent to cement industries for co-processing or for pre-processing. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
- p) The company shall undertake waste minimization measures as below:
 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - c. Use of automated filling to minimize spillage.

- d. Use of Close Feed system into batch reactors.
- e. Venting equipment through vapour recovery system.
- f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.

(G) Green Belt

1. Out of 1,02,911 Sq. m. area, 29,523sq meter (28%) area will be covered with the good green belt and 4,298 trees will be planted. The green belt of 5 m width will be developed mainly along the periphery and road side. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department. Additionally 55,790 m² or 5.579 Ha area of DIC is being proposed on nearby plot for development of greenbelt.
2. As proposed 100 treess are to be uprooted for which permission of competent authority shall be ontained and additional 10 times plantation shall be carriedout .
3. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
4. PP shall explore the possibility of planting additional 1000 trees along the banks of Nagdhavan Nallah under CER with the help of local administration.

(H) Safety, Public hearing and Human health issues

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
3. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
4. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
5. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
6. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

7. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

(I) Corporate Environment Responsibility

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
5. The proposed EMP Capital cost is Rs. 2157 Lakhs and 871.05 Lakhs /year as recurring cost and out of which the Environment Monitoring Cost for the project is 110 Lakhs and Rs. 12.05 Lakhs is proposed for green belt development.
6. Under CER activity, Rs. 487.5 Lakhs in 5 years are proposed for different activities.
7. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
8. Self environmental audit shall be conducted annually.

J. Miscellaneous

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
 2. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.
 3. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
 4. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
 5. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.
5. **Case No. - 5835/2019 M/s Rusan Pharma Ltd, Rusan House, 58-D, Government Industrial Estate, Charkop, Kandivali, Mumbai – 400067 Prior Environment Clearance for Proposed API Drug Manufacturing Plant at Plot No. M-21, Pithampur Industrial Area, Special Economic Zone, Phase-II, Pithampur, Dhar (MP). Capacity – 61,865 Kg/Year. Total Plot area- 24290.00 sqm Cat. - 5(f) Project Synthetic Organic Chemicals Industry (Bulk Drug). Env. Con. – SMS Enviro Care Ltd. Indore (M.P.).**

This is a case Prior Environment Clearance for Proposed API Drug Manufacturing Plant by Rusan Pharma Ltd. at Plot No. M-21, Pithampur Industrial Area, Special Economic Zone, Phase-II, Pithampur, Dhar (M.P.) Capacity – 61,865 Kg/Year. Total Plot area- 24290.00 sqm. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

The case was presented by the PP and their consultant in 390th SEAC meeting dated 10/08/2019 wherein TOR was recommended.

The case was presented by the PP and their consultant and during presentation following details were provided.

Salient features of the project:

The case was earlier presented by the PP and their consultant in 252nd SEAC meeting dated 18/03/2019 wherein the Google image two sensitive features were observed, as existence of water body and tree in the allotted area hence, after deliberations committee has decided to carryout site inspection by a sub-committee of SEAC for confirmation of above issues. Accordingly site visit was conducted on 27/07.2019. In the SEAC 390th meeting dated 10/08/2019, the site visit report and recommendations made by sub-committee were submitted before SEAC committee. The committee after deliberations decided that as suggested by sub-committee with additional ToR as stipulated by MoEFCC may be issued. Subsequently ToR Letter was issued from SEAC on dated 11/09/2019. Baseline Environmental Studies was conducted 1st March 2019 to 31st May, 2019. PP has submitted EIA vide letter dated 18/05/2020.

PP and their consultant presented the EIA before the committee on 434th SEAC Committee meeting dated 20/05/2020; during discussion following details of this project was submitted by the PP:

Sr. No.	Particulars	Details	
A	PROJECT DETAILS		
1.	Name of Project	Proposed API Drugs Manufacturing Plant by M/s. RUSAN PHARMA LTD.	
2.	Location of Project	Plot No. M-21, Pithampur Industrial Area, Special Economic Zone, Phase-II, Pithampur - 454775, Dist. Dhar, Madhya Pradesh.	
3.	Category as per EIA Notification 2006	Category 5 (f) "Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates) as per EIA Notification, 2006.	
4.	Project Proponent	Rusan Pharma Ltd.	
5.	Products	Product	Annual Capacity (in kg)
		Buprenorphine Hydrochloride	750.00
		Buprenorphine	50.00
		Eflornithine Hydrochloride	40000.00
		Bisoprolol Fumarate	6000.00
		Tramadol Hydrochlorside	1000.00
		Promedol Hydrochloride	50.00
		Naltrexone Hydrochloride	500.00
		Naloxone Hydrochloride	5000.00
		Nalbuphine Hydrochloride	750.00
		Apomorphine	500.00

Sr. No.	Particulars	Details	
		Hydrochloride	
		Fentanyl Base / Citrate	15.00
		Methadone Hydrochloride	7000.00
		Nalmefene Hydrochloride	250.00
		Total	61865.00
6.	Area requirement	24290.00 Sq.m	Allotted by MPAKVN in Pithampur SEZ Phase II
7.	Water Requirement	86.0 CMD	MPAKVN
8.	Power Requirement	1500 KVA. 2 nos. of D.G. Sets of 750 KVA	MP Paschim Kshetra Vidhyut Vitran Co. Ltd. In Case of Emergency
9.	Manpower Requirement	Direct: 100 workers Indirect employment will be generate	Maximum workers will be appointed from local based on educational and technical skills.
10.	Cost of Project	50.0 Crore	
11.	Industrial around 10 Km radius area	<ul style="list-style-type: none">• Ipca Laboratories Limited• Felix Generics Pvt.Ltd• Glenmark Pharmaceutical's Limited• Symbiotic Pharma labs Limited• Cipla Limited• ACG-Associate capsule Pvt. Limited• Ajanta pharma limited• Macleods pharmaceutical's limited• Lupin Limited	
B	ENVIRONMENTAL SETTING		
12.	Latitude	22°37'41.32"N	
13.	Longitude	75°37'47.05"E	
14.	Elevation above MSL	567 m	
15.	Toposheet No.	46 N / 10 of Sol	
16.	Present land use at the location	Industrial Area	
17.	Nearest Village	Kheda (2.3 km, S)	
18.	Nearest Town/City	City: Indore (20 km NE)	
19.	Nearest Railway Station	Indore Railway Station (27 km, NE)	
20.	Nearest Highway	MP-SH 39 (0.3 km, SWS)	
21.	Nearest Airport	Devi Ahilyabai Holkar International Airport, Indore (20 km, NE)	
22.	Nearest Water Body	Sanjay Jalashay (6.0 km in SE) Pond Near Betma Khurd (5.86 km in NNE)	
23.	Historical/ Archaeological Places	Not Present within 10 km radius	
24.	National Park/ Wild life Sanctuary	Not present within 10 km radius Remark: Betma Reserve Forest, 3.0 Km, NE Direction	
25.	Seismic Zone	Zone-III	

During presentation it was informed by PP that ATFD is proposed after MEE and the unit will be “Zero Liquid Discharge”. It was also observed that HAZOP Study is not discussed in the presentation for which PP submitted that they have carried out the HAZOP study and same has

been detailed out in the EIA. After detail discussion and deliberation the PP was asked to it submit the following information:

- i. PP commitment that ZLD shall be maintained.
- ii. PP commitment that 33% (8015.7 Sq.m) area shall be kept as green area.
- iii. PP commitment that Boiler will be used as gas fired based as unit is located in SEZ where gas supply is available.
- iv. PP commitment for minimum 95% Solvent recovery.
- v. ATFD shall be proposed after MEE in process and complete lay out shall be submitted.
- vi. Revised CER considering activities related to COVID-19.
- vii. Revised EMP as suggested by committee.

6. Case No. 6498/2019 M/s Goyal Resins & Polymers, 414/5, Khatipura, Sukhliya Gram, Link Road, Dist. Indore, (M.P.) - 452010. Prior Environment Clearance for Proposed Expansion of Alkyd Resin, Hard Oil, Process Oil and Stand Oil Unit at Plot No. 414/5, Khatipura, Sukhliya Gram, Link Road, Near Industrial Area, Indore, (M.P.). Existing Capacity – 130 MTPA, Proposed Capacity – 3,200 MTPA., Land Area – 1171.73 sqm, Cat. – 5 (f) Synthetic organic chemicals. Env. Con. – SAN Envirotech Pvt. Ltd., Ahmedabad (Guj.).

Goyal Resin and Polymers is an Existing unit and produce Alkyd Resin-80 MTPA, Process Oil-80 MTPA and Stand Oil-10 MTPA. Now Unit proposes to expand manufacturing of same product up to 3,200 MTPA at above location.

SALIENT FEATURE ABOUT THE PROJECT:

Project	Resins and Blending of Process and Stand oil
Location	Plot No. 414/5, Khatipura, Sukhaliya Gram Link Road, Indore, Madhya Pradesh
Site Coordinates	22°45'40.32"N & 75°51'34.83"E
Area for plant	1171.73 sqm
Flue gas stacks	Two nos. of Thermic Fluid Heater & Standby D. G. Sets
Process gas stacks	No process stack/vent
Fuel & consumption	Bio Coal/Agro Briquette-1.8 TPD HSD-15 lit/hr.

Power supply	Power supply from Madhya Pradesh Western Area Electrical Distribution Company Limited, Indore Energy consumption: 100 KVA & stand by D.G. Set (1 x 45 KVA) in case of power failure.
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The case was presented by the PP and their consultant in 395th SEAC meeting dated 30/09/2019 wherein TOR was recommended. PP has submitted EIA report online and accepted vide SIA/MP/IND2/52786/2019 in the SEIAA.

In this meeting the case was presented by PP and their consultant starting with salient features of the project-

- Goyal Resin & Polymers is existing unit producing Resin and Process + stand oil with capacity of 130 MT/year. Unit has valid consent under the different Environmental Act issued by MPPCB.
- Now, unit proposes to expand its capacity with addition of new products up to 3200 MT/year. The proposed expansion will be carried out within the same premises.
- Terms of Reference was issued by SEAC, MP on 30th October, 2020.
- We have carried out EIA study as per the generic structure of EIA notification, 2006 incorporating TOR points issued by SEAC, Madhya Pradesh.
- Public Hearing was conducted by MPPCB at the site of project on 05/03/2020. No major objection raised by participant. Suggestion is in slide no-82-85.
- Unit has submitted final EIA report along with MoM of Public Hearing to SEIAA/SEAC, MP.

The EIA was presented by PP and their consultant presented before the committee. PP stated that Ralamandal is 12.90 Km from the project site. During presentation PP submitted that now Indore is not covered in the critically polluted area. The EMP 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 Proposed Expansion of Alkyd Resin, Hard Oil, Process Oil and Stand Oil Unit at Plot No. 414/5, Khatipura, Sukhliya Gram, Link Road, Near Industrial Area, Indore, (M.P.). Existing Capacity – 130 MTPA, Proposed Capacity – 3,200 MTPA., Land Area – 1171.73 sqm, Cat. – 5 (f) Synthetic organic chemical subject to the following special conditions:

Sr. No.	Name of Products	Quantity (MT/Annum)		
		Existing	Proposed addition	Total after expansion
1.	Alkyd Resin	80	2620	2700
2.	Hard Resin	0.0	400	400
3.	Process Oil	40	10	50
4.	Stand Oil	10	40	50
Total		130	3070	3200

(A) Statutory compliance:

1. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Madhya Pradesh Pollution Control Board (MPPCB).
2. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time & permission of competent authority if ant tree falling is to be carried out.

(B) Air quality monitoring and preservation

1. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
2. The project proponent shall install system to carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released e.g. PM10 and PM2.5 in reference to PM emission and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each) covering upwind and downwind directions.
3. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions from the boiler, DG set and scrubber shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
4. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

5. The DG sets (100 KVA) shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
6. DG exhaust will be discharged at height stipulated by CPCB.
7. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
8. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

(C) Water quality monitoring and preservation

1. 8.0 KLD water will be consumed from Private Tankers. The effluent shall (2.0 KLD) after primary treatment will be disposed off at CETP, Indore.
2. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the Madhya Pradesh Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
3. Total fresh water requirement shall not exceed 8.0 KLD and as proposed by PP shall provide the fresh water.
4. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
5. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
6. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

(D) Noise monitoring and prevention

4. Acoustic enclosure shall be provided to 100 KVA DG set for controlling the noise pollution.
5. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
6. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

(E) Energy Conservation measures

3. The energy sources for lighting purposes shall preferably be LED based.
4. The total power requirements for project will be 100 KVA. The power will be supplied by MPPCL, Indore

(F) Waste management

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

12. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
13. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
14. The company shall undertake waste minimization measures as below:
 - g. Metering and control of quantities of active ingredients to minimize waste.
 - h. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - i. Use of automated filling to minimize spillage.
 - j. Use of Close Feed system into batch reactors.
 - k. Venting equipment through vapour recovery system.
 - l. Use of high pressure hoses for equipment clearing to reduce wastewater generation.

(G) Green Belt

5. Out of 1171.73 Sq. meter area, 390 sq meter (33%) area will be covered with the good green belt and 40 trees will be planted. The green belt of 2 m width will be developed mainly along the periphery and road side. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department.
6. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

(H) Safety, Public hearing and Human health issues

8. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
9. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
10. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
11. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

12. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
13. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
14. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

(I) Corporate Environment Responsibility

9. 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.
10. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
11. 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 report to the head of the organization.
12. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
13. The proposed EMP cost is Rs. 27.5 lacs and 9.0 lacs/year as recurring cost and out of which the Environment Monitoring Cost for the project is 2.5 lacs and Rs. 1.0 lacs is proposed for green belt development.
14. Under CER activity, Rs 4.0 lacs per year are proposed for different activities.
15. 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.

16. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

J. Miscellaneous

6. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
 7. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.
 8. 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.
 9. 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).
 10. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.
7. **Case No. - 5853/2019 M/s. Sakar Builders, 118, Rafael Towers, 8/2 Old Palasia, Dist. Indore, MP – 452001 Prior Environment Clearance for Construction of Residential Cum Commercial Project "Elite Apex" (Total Plot Area = 13,930.0 sqm., Total Built-up Area = 59,977.20 sqm) at Khasra no 161/1/2, 161/1/3, 161/1/4, 161/1/5, 161/1/6, 162/1, 162/2, 161/1/1, 161/2, Village - Pipaliya Kumar, Tehsil - Indore & Dist. Indore, MP. (Building Construction).Env. Con. – Env. Con. – EQMS, Delhi.**

This is case of Prior Environment Clearance for Construction of Construction of Residential Cum Commercial Project "Elite Apex" (Total Plot Area = 13,930.0 sqm., Total Built-up Area = 59,977.20 sqm, Built-up Area Constructed – 59,232.33 m2) at Village - Pipaliya Kumar, Tehsil - Indore & Dist. Indore, (M.P.). Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled in 345th SEAC meeting dated 21/02/2019 wherein: neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The case was scheduled in 351st SEAC meeting dated 16/03/2019 meeting, wherein ToR (For Violation) has been recommended.

PP has submitted the EIA report vide letter dated 24/02/2020 which was forwarded through SEIAA vide letter no. 4652 dated 27/02/2020 which was placed before the committee.

The case was scheduled for the presentation in 429th SEAC meeting dated 16/03/2020 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The EIA was presented by the PP and their consultant starting presentation with the chronology and salient features of the project area as:

Chronology of the project:

- Land Purchased- 31.03.2012
- IMC approval for Phase I- 24.1.2014
- Construction started for Phase I- Feb,2014
- IMC approval for Phase II- 17.02.2016
- Construction started for Phase II- end of Feb,2016
- Construction stopped- End of Feb,2017
- MoEF& CC, GoI issued a Notification vide S.O. 804 (E), dated 14.03.2017, for one time opportunity for Violation matters
- Application submitted to MoEF&CC under violation category- 04.09.2017. Thereafter, as per OM by MoEF&CC, violation case was transferred to the SEIAA/SEAC.

As this is a building and construction project and in the normal course, does not require EIA study. But, in view of the above notification of MoEF&CC for violation project Terms of Reference have been received from SEIAA/SEAC on 24.04.2019. Hence EIA report has been prepared along with EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.

Project Details

Description	Details (Phase I + Phase II)
Plot Area	13930 Sqm
Road Widening	1503 Sqm
Net Plot Area	12427 Sqm
Permissible Ground Coverage (@30% of net plot area)	3728.1 Sqm
Proposed Ground Coverage	3104.215 Sqm
Ground Coverage %	24.98 %
FAR	2
Permissible FAR	24854 Sqm
Additional FAR for Surrendered Road (@2X1.3X surrender area)	6012 Sqm
Total Permissible FAR (@1.61 of net plot area)	30866 Sqm
FAR-Residential – I	30575.14 Sqm
FAR-Commercial - II	1463.91 Sqm
Proposed FAR (@1.285 of net plot area)- I + II= III	32039.05 Sqm
Stilt – A	2788.1 Sqm
Basement – B	14239.22 Sqm
EWS - C	813.02 Sqm
LIG – D	752.75 Sqm
Club – E	1394 Sqm
Non FAR-Towers (A + B + C + D + E)= IV	7951.08 Sqm
Built-up Area (III + IV)	59977.2 Sqm
No. of Basement	2
Green Area (@24.1% of net plot area)	2994.18 Sqm
Maximum Height of Building	45 m
Dwelling Units	360 no.
Population	2307
Fresh water requirement	187 KLD
Sewage Generation	220 KLD
STP Capacity	240 KLD
RWH	4 pits
Parking	462 ECS
Power requirement	1625 KVA
Solid Waste	1028 Kg/day

Built-up Area Brea-up

PHASE I												
Block	Floors	DUS	Shops	Office	GC	FAR Com	FAR- Res	Non FAR	Stilt	Basement 1	Basement 2	Built-up
Block A	G+6	20	8	4	1024.584	1501.94	2513.73	1050.33	0	3485	0	8551
Block B	S+6	60	0	0	1255.982	0	6288.71	1747.35	1255.982			9292.042
Block C	S+6	53	0	0	1143.273	0	5671.95	1806.32	1143.273			8621.543
Total-Residential	--	133	8	4	3423.839	1501.94	14474.39	4604	2399.255	3485	0	26464.585
Club	S+1	0	0	0	640.279	0	0	1394	640.279	0	0	2034.279
EWS-Within block C	First floor of Block C	12	0	0	0	0	0	312	0	0	0	312
LIG-Within block C	First floor of Block C	8	0	0	0	0	0	320	0	0	0	320
Total		153	8	4	3423.839	1501.94	14474.39	6630	3039.534	3485	0	29130.864
PHASE I + PHASE II												
Block	Floors	DUS	Shops	Office	GC	FAR Com	FAR- Res	Non FAR	Stilt	Basement 1	Basement 2	Built-up
Block A	G+13	60	3	6	956.4	1463.91	6761.54	2044.92	0	8240.75	5998.47	24509.59
Block B	S+14	138	0	0	1130.6	0	12464.57	3200.42	1130.584			16795.574
Block C	S+13	115	0	0	1017.2	0	11349.03	2705.74	1017.237			15072.007
Total-Residential		313	3	6	3104.2	1463.91	30575.14	7951.08	2147.821	8240.75	5998.47	56377.171
Club	S+1	0	0	0	640.279	0	0	1394	640.279	0	0	2034.279
EWS-Within block C	1-3 floor of Block C	28	0	0	0	0	0	813.02	0	0	0	813.02
LIG-Within block C	1-3 floor of Block C	19	0	0	0	0	0	752.75	0	0	0	752.75
Total		360	3	6	3104.2	1463.91	30575.14	10910.85	2788.1	8240.75	5998.47	59977.22

Constructed Area

Blocks	Floors	Ground Coverage (sq m)	FAR-Residential (sq m)	FAR-Commercial (sq m)	Non FAR (sq m)	Stilt (sq m)	Basement	Built-up Area (sq m)
A	G+13	956.4	6761.5	1463.91	1794.22	0	14239.22	24258.85
B	S+14	1130.6	12464.57	0	3200.42	1130.42		

								16795.574
C	S+11	1017.2	11272.5	0	2488.38	1017.24		14778.122
EWS	Completed	0	0	813.02	0	0		813.02
LIG	Completed	0	0	752.75	0	0		752.75
Club	Completed	640.279	0	1394	0	640.279		2034.279
Total built-up	--	3104.2	30498.57	4423.68	7483.02	2788.1	14239.22	59432.595 ~59433

Population

Category	No of units	Standard	Population
Residential +EWS+LIG	446 (380+39+27)	5 person/DU	2230
Staff (including club)	--	10% of resident population	223
Visitors	--	10% of resident population	223
Total Population			2676

Water Supply

During operational phase, 187 KLD fresh water will be required which will be met from IMC.

Waste water Generation and Treatment:

During operation phase, it is estimated that about 220 KLD of waste water will be generated from the project, which will be treated up to tertiary level treatment. After treatment, 78 KLD of water shall be reused within the project and rest will be discharge to municipal sewer line.

Storm Water Management Plan:

Total 4 nos. of harvesting pits will be provided.

Solid waste generation/ Disposal:

Solid waste generated in Project area will be 1028kg/day and mainly of domestic nature.

Power Requirement:

The power shall be supplied by MPSEB. The total water requirement of the project is 1625 KVA

Details of the DG sets: DG Sets of total capacity 1430 kVA (2 x 400 +1 x 630 kVA)

Parking Facilities:

345 ECS in basement, 92 in stilt and 25 ECS on surface will be provided.

Landscaping:

Approx. 2994.18 Sqm (24.1% of net plot area) will be developed as green area. The area will be developed as green belt by planting 155 local tree species and separate budget of Rs. 10 Lakhs has been allocated for plantation.

Fire Fighting system:

Adequate fire protection facilities will be installed including fire detectors, fire alarm and fire fighting system to guard the building against fires. All fire protection facilities will be designed as per the National Building Code given in 2005. PP also presented that cost of remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed as follows:

S. No.	Environmental Factors/Attributes	Remedial Plan/Augmentation Plan	Remedial Cost (in INR)		Environmental Management Plan	EMP Cost (in INR)/year		Remark
			Capital Cost	Recurring Cost		Capital Cost	Recurring Cost	
1	Land use as per approved Master plan by T&CP, Indore(LU)							
	Construction Phase	No Violation			--	--	--	Land use of the project site was agricultural and diversion was obtained for the land for establishment of residential project. Diversion document is attached as Annexure 1 . Land use of the site as per Master Plan of Indore, 2021 is Residential. Master Plan of Indore showing

	Oper ation Phase	No Violation			--	--	--	project site location is given in Annexure 2.
2	Environmental Sensitive places, land acquisition status, resettlement & rehabilitation (R&R)							
	Const ructi on Phase	No Violation			--	--	--	Project involves no R&R issues. Land has been purchased from land owners. Land leased documents are given in Annexure VI. M/s Sakar Builders. and Satguru Nagar GrihNirmanSehkari Samiti Maryadit, Indore have jointly owned the land and have Joint Development agreement for the development of the project.
	Oper ation Phase	No Violation			--	--	--	
3	Baseline Environment Monitoring							
	Const ructi on Phase	For monitoring of air, water, soil & noise every six month for period of six years 1. Water: 4 GW sample @ 5000/sample , 4 SW sample @ 5000/sample 2. Air: 4 Sample @ 5000/sample , DG 2 sample @ 7500/sample 3. Noise: 2 sample @ 1000/sample , DG set 2 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample		1032000	For monitoring of air, water, soil & noise every six month 1. Water: 4 GW sample @ 5000/sample , 4 SW sample @ 5000/sample 2. Air: 4 Sample @ 5000/sample , DG 2 sample @ 7500/sample 3. Noise: 2 sample @ 1000/sample , DG set 2 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample	--	172000	No environment monitoring was done at site. Therefore, cost has been included in Remediation Cost

	Operation Phase	No Violation			For monitoring of air, water, soil & noise every six month 1. Water: 2 GW sample @ 5000/sample , 2 SW sample @ 5000/sample ,STP inlet & outlet water sample @ 10000/sample 2. Air: 2 Sample @ 5000/sample , DG 3 sample @ 5000/sample 3. Noise: 2 sample @ 1000/sample , DG set 3 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample	--	136000	After obtaining EC, compliance monitoring of air, water, soil & noise will be performed and submitted to the government body every six months.
4	Air Environment							
	Construction Phase	Water sprinkling	No Violation	No Violation	--	--	--	Water sprinkling was done at site. Agreement of Water Tanker supplier and Booster Pump Bill is attached as Annexure 3.
		Water pipeline-100m @ Rs 100/m	10000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		2 Water Tanks of 7500 litre @ Rs. 30000	60000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		Godowns and sheds for Storage of raw material	No Violation	No Violation	--	--	--	Godown and shed are prepared for the storage of Raw material. Bill are attached as Annexure 4.

		Green Nets for covering building	No Violation	No Violation	--	--	--	Safety net was purchased during construction phase, bills are attached as Annexure 5.
		GC sheets for covering the construction area	No Violation	No Violation	--	--	--	Bills and photographs of barricadings are attached as Annexure 6.
		100 Face mask @ Rs 100	10000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		Vehicle Inspection @ 15,000/year for 6 years		90000	--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Operation Phase	Maintenance of 3 no. of DG set/year through AMC for 5 years	No Violation	No Violation	Maintenance of 3 no. of DG set/year through AMC @ 20,000/year	--	60000	Maintenance of DG sets will be complied as per the contract defined.
5	Waste Environment							
	Construction Phase	10 Dustbin @ Rs 2000/each	20000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		Safety tapes for barricading the waste	5000		--	--	--	
		Agency fee for collection & disposal Solid waste for 6 years @ Rs. 500/month		36000	--	--	--	
Operation Phase	15 Dustbin	No Violation	No Violation	-	500000	400000	Collection & disposal of Solid waste will be complied with as per the EMP Budget provided in the EIA Report	
	Agency fee for collection & disposal Solid waste	No Violation	No Violation	Agency fee for collection & disposal Solid waste				
	STP sludge disposal	No Violation	No Violation	STP sludge disposal			Sludge will be used for landscaping purpose.	
6	Water Environment							

7	Const ructi on Phase	Ground water abstraction	No Violation	No Violation	--	--	--	Water Tanker was and is being used during the construction period. Bill is already attached.
		Construction of Toilets	No Violation	No Violation	--	--	--	Toilet is constructed and it was part of the client. Therefore, cost is not taken in remediation. Photos are attached as Annexure 7 .
		Toilet maintenance and cleaning for 6 years @ 1000/month		72000	--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		STP installation of 240 KLD	No Violation	No Violation	STP civil work has been completed	2100000	300000	Only Civil work has been completed, Photos are attached as Annexure 8 .
		Construction of 4 RWH KLD	No Violation	No Violation	RWH pits are under construction	1200000	400000	RWH pits are partially constructed and the RWH pits will be constructed as per the EMP budget allocated in EIA report.
	Oper ation Phase	Abstraction of Ground water	No Violation	No Violation	--	--	--	Water will be supplied through Municipal Supply. NOC is attached as Annexure 9 .
		STP operation and maintenance	No Violation	No Violation	STP operation and maintenance @ Rs 10,000/month	--	120000	STP will be maintained and cleaned by agency.
		Maintenance and cleaning of RWH system	No Violation	No Violation	Maintenance and cleaning of RWH system @ Rs 20,000/twice in a year	--	20000	Maintenance of RWH system and water network will be done in the defined cost.
		Cleaning and miantenance of water network	No Violation	No Violation	Cleaning and miantenance of water network @ Rs 20,000/twice in a year	--	20000	
Occupational Health and Safety of construction worker								
Const	Firest aid kit	30000		--	--	--	Proof is not available.	

	Constructi on Phase	at site						therefore cost is taken in Remediation Cost
		PPE for labour	100000		--	--	--	
		Health chekup for labour twice in a year for 50 labour @ 1000/ labour		600000	--	--	--	
	Operation Phase	--			--	--	--	
8	Ecology Environment							
	Constructi on Phase	Cutting of Trees	No violation	No Violation	--	--	--	No tree was felled. No tree was present on the land. Same is written in Diversion document
		Development of Green Area	No violation	No Violation	Development of Green Area	1000000	400000	Green belt was developed during initial construction phase. Green area will be developed after completion of the structural work. Cost has been taken in EMP cost
	Operation Phase	Maintenance of green area	No violation	No Violation	Maintenance of green area for @ 10000/month	--	120000	Gardner will be allocated for maintenance of landscape.
9	Soil Environment							
	Constructi on Phase	Disposal of excavated soil (28478 tonne, out of this 100% for disposal= 28478 tonne) @ Rs. 300/ truck of 10 tonne	No violation	No Violation	--	--	--	All the excavated soil is being used in undulating and low lying areas, and the bills associated with the same is attached as Annexure 10.
	Operation Phase	--	No violation	No Violation	--	--	--	
10	Noise Environment							
	Constructi on Phase	GC sheets for covering the construction area	No Violation	No Violation	--	--	--	Supporting Bills are attached as Annexure 6

		Ear plugs for labour@ Rs 100/pcs (50 pcs)	5000			--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Operation Phase	Replacement of Vibration pads of DG set (once in five years)	No Violation	No Violation	Replacement of Vibration pads of DG set	30000		Operation Phase not yet started. Hence the Replacement of Vibration pads of DG set within given time period.
11	Energy Conservation							
	Construction Phase	--			--	--	--	
	Operation Phase	Installation of LED	No Violation	No Violation	Installation of LED	1000000	400000	Installation of LED will be done during operation phase of the project.
12	Transportation of Trucks							
	Construction Phase	Tarpaulin covers for trucks		50000	--	--	--	It was ensured all trucks carrying construction material were covered.
	Operation Phase	--			--	--	--	
13	Disaster Management Plan							
	Construction Phase	Earthquake resistant structure	No Violation	No Violation	--	--	--	Already included in cost of project
		Fire fighting system	No Violation	No Violation				Fire NOC is obtained which is attached as Annexure 11.
	Operation Phase	Quarterly training		0	Quarterly training@ 2,000/training		6000	Cost will be taken under remediation
	Total Cost		240000	1880000		5830000	2154000	
		Remediation Cost	21,20,000		Cost of EMP	79,84,000		

Thus, as above, PP has proposed Rs. 1,01,04,000 (Rs. 21,20,000 as Remediation cost and Rs. 79,84,000 as EMP) for this project and PP, Shri R.K. Mehta, Director M/s Sakar Builders, Indore has proposed to submit bank guarantee of Rs. 21,20,000 towards Remediation Plan.

Committee after considering the project, recommends that PP may be asked to deposit the bank guarantee (BG) with three year validity of Rs. 21,20,000 (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 were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Environment Clearance for Development of Residential Cum Commercial Project “Elite Apex” at Khasra No. 161/1/1 & 161/2, Village Pipaliya Kumar, Indore, M.P. Plot Area 13930 Sq m, Net Plot area 12427 Sqm, Proposed Builtup area- 59977.2 Sq.mtr. Category: 8(a) Building & Construction Projects subject to the following special conditions and submission of bank guarantee (BG) with three years validity of Rs. 21,20,000/- (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board:

I. Statutory Compliance

- i. The project proponent shall obtain all necessary clearance/permission 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 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.
- iv. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v. 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.
- vi. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- vii. 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.
- viii. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix. The provisions for the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.

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. Diesel power generating sets (2 x 400 +1 x 630 kVA) 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 DG set (2 x 400 +1 x 630 kVA) shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. Total fresh water (187 KLD) use during operation phase shall not exceed the proposed requirement as provided in the project details.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be to monitor 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 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. 4 rainwater harvesting pits shall be constructed by PP.
- xiv. All recharge should be limited to shallow aquifer.
- xv. No ground water shall be used during construction phase of the project.
- xvi. 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.
- xvii. 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.
- xviii. Sewage shall be treated in the STP (Capacity - 240 KLD, primary clarifier with desiltation chamber). 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.
- xix. During operation phase total 220 KLD wastewater will be generated from the project which will be treated up to primary level by installing coarse and fine screen, evaporation tank, O&G removal grit chamber and primary settling tank.
- xx. After treatment, 87 KLD water will be reused within the project and rest wastewater will be discharged into main sewer line of IMC.
- xxi. No sewage or untreated effluent water would be discharged through storm water drains.
- xxii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxiii. 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 for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

VI. Water Management

- i. 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.
- ii. 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.
- iii. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (1028 Kg/day) shall be segregated into wet garbage and inert materials.
- iv. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- v. 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.
- vi. 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.

- vii. 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.
- viii. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- ix. 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. At site, approx. 2994.18 Sqm (24.1% of net plot area) will be developed as green area. The area will be developed as green belt by planting 155 local tree species.
- ii. Not tree can be felled/transplant unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iv. 2994.18sq meters of area shall be provided for green belt development as per the details provided in the project document.
- v. 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.
- vi. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stock piled 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.

- e. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
 - f. Traffic calming measures.
 - g. Proper design of entry and exit points
 - h. 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. Parking's arrangement for 462 ECS shall be provided as proposed by PP.
- 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. Corporation 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. PP has proposed Rs. 80.44 lakhs (Rs. 59.72 lakhs as capital cost and Rs. 20.72 lakhs as recurring cost) for EMP of this project.
- vi. For this project PP has proposed Rs 1.17 Cr. Corporate Environment Responsibility (CER) in which is @ 1.5% of the project cost this amount shall be disbursed in the five years.
- vii. The PP Shri R.K. Mehta, Director M/s Sakar Builders, has proposed to submit bank guarantee of Rs. 21,20,000/- towards Remediation Plan and Natural & Community Resource Augmentation Plan.

XI. Miscellaneous

- i. Total Solid Waste generated from Project will be 1028 kg/day
- ii. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.
- iii. 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)
- iv. 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).
- v. 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.
- vi. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes

(Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

8. Case No 6872/2020 M/s Ujjwala Housing & Finance Pvt. Ltd, Shri Sunderlal Maran, Director, Aamra Vihar Colony, Near Aamra Vihar Bus Stop, Nayapura, Kolar Road, Dist. Bhopal, MP – 462042 Prior Environment Clearance for Construction of "AAMRA VALLEY" (Total Plot Area = 18,000.00 sqm, Total Built-up Area = 36,377.03 sqm) at Village - Sankhedi, Tehsil - Huzur, Dist. Bhopal, (MP).

This is case of Prior Environment Clearance for Construction of "AAMRA VALLEY" (Total Plot Area = 18,000.00 sqm, Total Built-up Area = 36,377.03 sqm) at Village - Sankhedi, Tehsil - Huzur, Dist. Bhopal, (MP)

The case was scheduled for the presentation in 431st SEAC meeting dated 18/03/2020 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

This case was presented by PP and their consultant in this meeting starting with chronology of the project as-

- Aamra Valley is a multi unit residential development project which is planned in a plot measuring 18000.0 SQM and located at village Sankhedi, Tehsil Huzur, District Bhopal (M.P.).
- We have initiated our Building Construction Project, wherein 5 Blocks/Towers (S+7) having 304 Nos. Multi Unit for Residential, 28 Nos. Units for EWS and 10 Nos. of Shops for approximately 1699 persons have been proposed.
- The total land area of the proposed project mentioned as 18000.0 SQM (1.80 ha) and the built-up area as 36377.03 SQM (24097.61 SQM+12279.42 SQM FAR + Non-FAR+ Parking).
- As this is a violation case and about 60% area of the project has been constructed without getting environment clearance.
- As the proposed project is near to the existing project namely “Western Courtyard, Western Court, Western Heights, Singapur Villas & J.K. Town Phase II” which is about 1.0 km in NW direction from the project site.

- It is requested to you that the baseline data for this project has been taken of above project i.e. March to May 2019 and one month additional data is being collected i.e. March 2020 which will be reflected in the EIA Report.
- PP submitted that they have applied on 11/09/2019 which is well within the window period for violation cases.

After presentation, PP was asked to submit a map showing the exact distance of existing building/project with Kaliasot River maintaining minimum 33 meters distance from the flood plain of River Kaliyasot as per Hon'ble NGT order. PP submitted that they have erected the building in such a way that there is clear >33 meters distance from the flood plains of Kaliasot River. PP submitted that they are carrying this map and submitting it right now.

Committee considered the recent GoI, MoEF & CC Notification dated 8th March, 2018 recommends that case may be dealt as per the provisions laid down in this notification and the project may granted Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as a independent chapter in the EIA report by the accredited consultant and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories.

Hence committee recommended to issue additional TOR as per notification dated 08th March 2018 along with standard TOR prescribed by the MoEF&CC for conducting the EIA as follows:-

1. Commitment of PP for no construction will be done within 33 meters from the flood plain of River Kaliyasot in notarized affidavit as per Hon'ble NGT order.
2. Google Map to be submitted showing distances from the project area to the Kaliasot River.
3. Project description, its importance and the benefits.
4. Project site detail (location, toposheet of the study area of 10 Km, coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage).
5. Land use as per the approved Master Plan of the area, permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board etc.
6. Land acquisition status, R & R details.

7. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 Km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
8. Baseline environmental study for ambient air (PM10, PN2.5, SO₂, NO_x & CO), water (both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/CPCB guidelines at minimum 5 locations in the study area of 10 Km.
9. Details on flora and fauna and socio-economic aspects in the study area.
10. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.)
11. Sources of water for different identified purpose with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
12. Waste water management (treatment, reuse and disposal) for the project and also the study area
13. Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.
14. Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
15. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environmental (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
16. Preparation of EMP comprising remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
17. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.

9. Case No. – 6671/2019 Avneedra Singh, Division Project Engineer, Public Works Department Project Implementation Unit, Divisional Office, Chhindwara. Prior Environment Clearance for Proposed Development of CIMS Hospital and Other Allied Buildings, at Khasra No. 13/2, 14/2, 12, 1/3, 21, 10/13, 11/2, 11/4, ½, ¼, 13/1, 14/1, 18/2 & 19/2 Chhindwara MP, Total Land area – 2,42,524.94 Sq.m. (59.92 Acre) Total Built up area 2,95,174.0 Sq.M (FAR+Non FAR). Total Ground Coverage – 26337.37 Sq.m

This is case of Prior Environment Clearance for Proposed Development of CIMS Hospital and Other Allied Buildings, at Khasra No. 13/2, 14/2, 12, 1/3, 21, 10/13, 11/2, 11/4, ½, ¼, 13/1,

14/1, 18/2 & 19/2 Chhindwara MP, Total Land area – 2,42,524.94 Sq.m. (59.92 Acre) Total Built up area 2,95,174.0 Sq.M (FAR+Non FAR). Total Ground Coverage – 26337.37 Sq.m

The case was presented by the PP and their consultant and during presentation following details were provided.

- The hospital at Chhindwara Institute of Medical Schemes (M.P.) is a part of the Medical College, Chhindwara. The Medical College Campus is spread over a total area of 62.98 acres. The Academic College Building for an Intake of 250 Annual Admission along with Hostels, Faculty Residences, Sport and Community facilities etc. have already been completed as part of phase 0 and the MCI Recognized.
- The various infrastructure facilities like ESS, STP, Water Tanks, Fire Tanks, Open Parking and Partial Site Development to ensure that the recently completed campus is run smoothly has already been completed and commissioned.
- The Commissioned Infrastructure facilities are planned for the phase 0 buildings as completed as well as some future buildings to be taken up in phase I. The total land area which has been fully developed is equal to approx. 24.17 acres. While the Master Plan proposes to construct a teaching hospital for Medical College in phase I as per MCI requirement.
- The project site is a government land which has been allotted to project proponent for development the medical scheme.
- The Medical College has been currently associated with the District Hospital at Chhindwara for the purpose of Studies and MCI Norms and requirement.
- The site is earmarked for construction of medical hospital with residential facilities.

STP & ETP Details:

Sl. No.	Items	Capacity in KLD
Land-1 Hospital Area (Phase-1 & 2)		
I.	STP Capacity Phase-1	725.0
II.	ETP Capacity Phase-1	140.0
III.	STP Capacity Phase-2	275.0
IV.	ETP Capacity Phase-2	50.0
V.	Technology of STP	MBR Technology
Land-1 Staff Residence (Phase-1 & 2)		
No STP is required, sewer shall be connected to Medical College sewerage network.		
Land-2 (Phase-1)		
I.	STP Capacity Phase-1	110.0
II.	Technology of STP	SBR Technology with Ultra Filtration System for

		Flushing Water Requirement.
Land-3 (Phase-1)		
I.	STP Capacity Phase-1	135.0 KLD
II.	Technology of STP	SBR Technology with Ultra Filtration System for Flushing Water Requirement.

Committee recommended the TOR for preparing EIA / EMP for the project in the SEAC 410th meeting dated 02.12.2019 .

PP vide letter dated 18/02/20 submitted Revised Form-1 with revision of total land area for TOR modification which was forwarded by SEIAA vide letter No. 4672 dated 02/03/2020.

The case was scheduled in the PP absent in 430th SEAC meeting dated 17-03-2020 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

This case was placed before the committee as PP with above context letter dated 18/02/20 has submitted the revised Form-I to SEIAA (which was forwarded by SEIAA vide their letter dated 02.03.2020) with revised area details which are as given below:

- Total Land area – 2,42,524.94 Sq.m. (59.92 Acre) Total Built up area 2,95,174.0 Sq.M (FAR+Non FAR). Total Ground Coverage – 26337.37 Sq.m

Committee accepted the request made by PP and recommended to issue revised ToR with revised area details. Now area details shall be read as Total Land area – 2,42,524.94 Sq.m. (59.92 Acre), Total Built up area 2,95,174.0 Sq.M (FAR+Non FAR). Total Ground Coverage – 26,337.37 Sq.m. Remaining conditions for ToR shall remain same as recommended in SEAC 410th meeting dated 02.12.2019 .

10.Case No. – 6575/2019 M/s Ojaswi Mining, Partner Shri Pradeep Kumar Mittal, 11-12, Dunne Market, Jabalpur Road, Bargawan, Dist. Katni, MP – 484220. Prior Environment Clearance for Granite Deposit in an area of 2.330 ha. (Revise Form-1 Production Capacity – 7200 Cu.mt/Year) (Khasra No. 2673), Village - Chilpa, Tehsil - Anuppur, Dist. Anuppur (MP).

This is case of Granite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2673), Village - Chilpa, Tehsil - Anuppur, Dist.

Anuppur (MP) 2.330 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's Office letter No.981 dated: 03/08/2019 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine total area of 23.016 ha., including this mine.

The case was scheduled for presentation in 410th SEAC Meeting dated 02/12/19 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 403rd SEAC meeting dated 06/11/2019. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was scheduled for presentation, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in SEAC meeting 410th SEAC Meeting dated 02/12/19 and 403rd SEAC meeting dated 06/11/2019. 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.

PP has submitted the desired information vide letter no. nil dated 27/2/2020. Therefore, SEIAA relisted the case and sent revised Form-1 alongwith technical file to SEAC for appraisal.

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

11. Case No 7011/2020 Shri Jai Jaiswal S/o Shri Vinod Jaiswal, Ekta Colony, Akbar Ward, Dist. Seoni, MP - 480661, Prior Environment Clearance for Stone Quarry in an area of 1.40 ha. (12000 cum per annum) (Khasra No. 234/1, 239/1), Village - Ghatpipariya, Tehsil - Seoni, Dist. Seoni (MP)

This is case of Stone Quarry and Sealable Murum. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 234/1, 239/1), Village - Ghatpipariya,

Tehsil - Seoni, Dist. Seoni (MP) 1.40 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1031 dated: 24/1/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.0 ha., including this mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
About 12 Trees	Within lease	-	Inventory of the trees.
Kachcha Road	10	East	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.

After presentation the committee asked to submit following details:

- Land ownership documents.
- Inventory of the trees and commitment that if any tree falling is done (in this case 04 trees are proposed to be uprooted) permission of competent authority shall be obtained and 40 additional plants shall be planted.
- Revised EMP includes grazing land development.
- Revised CER incorporate traffic awareness/ training & activities including of distribution of masks, sanitizers in the project affected villages' w.r.t. COVID-19 pandemic.

PP has submitted the response of above queries same date vide letter dated 20.05.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 12,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.06.54 Lakh as capital and Rs. 2.10 Lakh/year and under CER Rs. 01.00 Lakh/ year has proposed.

12. Case No 7012/2020 M/s Yashstar Stones Pvt. Ltd, Opp AM, 95 Bhagat Singh Nagar, DD Nagar, Dist. Gwalior, MP – 474020 Prior Environment Clearance for Stone Quarry in an area of 4.80 ha. (207584 cum per annum) (Khasra No. 1057, 1058, 1059, 1060, 1061, 1122/1, 1122/2, 1123/1, 1123/2), Village - Dirman, Tehsil - Gohad, Dist. Bhind (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1057, 1058, 1059, 1060, 1061, 1122/1, 1122/2, 1123/1, 1123/2), Village - Dirman, Tehsil - Gohad, Dist. Bhind (MP) 4.80 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1798 dated: 02/3/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 9.14 ha., including this mine.

The case was presented by the PP and their consultant, as per Google image based on coordinates provided by PP, a canal is in east direction at 90 meters distance, and kaccha road is in north at a 100 meters. Being it's a case Stone Quarry with total area of 9.14 ha. including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Baseline data yet to be collected including air & surface /ground water monitoring.
2. Canal protection plan to be submitted in the EIA report.
3. Blast induced ground vibration study shall be performed and discussed in EIA report.

13. Case No 7014/2020 M/s Jaiswal Stone Crusher, Partner - Shri Shyamlal Jaiswal, Village & Post - Jhara, Tehsil - Sarai, Dist. Singrauli, MP - 486881 Prior Environment Clearance for Stone Quarry in an area of 4.6560 ha. (139147 cum per annum) (Khasra No. 2898/2, 2927/2, 2927/3, 2927/4, 2927/5, 2928, 3112, 3113, 3114), Village - Jhara, Tehsil - Sarai, Dist. Singrauli (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2898/2, 2927/2, 2927/3, 2927/4, 2927/5, 2928, 3112, 3113, 3114), Village - Jhara, Tehsil - Sarai, Dist. Singrauli (MP) 4.656 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. 882 dated: 07/8/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed-

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha Road	35	south	Controlled blasting with arrangements of sand bags and three rows of Plantation in this side.
Pucca Road	60	West	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
02 Trees	Within lease	-	01 tree falling is proposed. PP will take permission from competent authority and 10 trees shall be additional planted.

After presentation the committee asked to submit following details:

- PP's commitment that total 5000 trees shall be planted within 5 years (this will include 10 trees additional planted in behalf of one tree failing).
- A copy of CTO letter issued by MPPCB.
- Revised blasting parameters details

- Blast vibration study shall be conducted with 06 months of mining operations and shall be submitted with compliance report.
- Revised plantation scheme.
- Revised CER incorporate awareness/ training & activities including of distribution of masks, sanitizers in the project affected villages' w.r.t. COVID-19 pandemic.

PP has submitted the response of above quarries same date vide letter dated 20.05.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 1,39,147 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 11.60 Lakh as capital and Rs. 4.86 Lakh/year and under CER Rs. 02.40 Lakh/ year has proposed.
3. Blast vibration study shall be conducted with 06 months of mining operations and shall be submitted with compliance report.

14. Case No 6992/2020 Shri Ashok Kumar Kushwaha S/o Shri Jairam Kushwaha, R/o Sunoniya, Tehsil - Prathvipur, Dist. Niwari, MP – 472336 Prior Environment Clearance for Stone Mine in an area of 2.0 ha. (32000 cum per annum) (Khasra No. 2 Part), Village - Kunwarpura, Tehsil - Prathvipur, Dist. Niwari (MP)

This is case of Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2 Part), Village - Kunwarpura, Tehsil - Prathvipur, Dist. Niwari (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Director, Geology and Mining Office letter no. 10034-36 dated: 22/5/2017 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 3.95 ha., including this mine.

During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed-

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha Road	Within lease	-	Right to access to the nearby villagers.
Pucca Road	400	North-West	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.

After presentation the committee asked to submit following details:

- Revised blasting parameters details to be submitted as mine plan.
- Revised CER incorporate awareness/ training & activities including of distribution of masks, sanitizers in the project affected villages' w.r.t. COVID-19 pandemic.

PP has submitted the response of above quarries same date vide letter dated 20.05.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 32,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 13.945 Lakh as capital and Rs. 4.81 Lakh/year and under CER Rs. 00.60 Lakh/ year has proposed.

15. Case No 6993/2020 Shri Naeem Khan S/o Shri Salim Khan, Village - Nargudakhas, Tehsil & Dist. Tikamgarh, MP – 472001 Prior Environment Clearance for Murrum Quarry in an area of 3.0 ha. (1,0000 cum per annum) (Khasra No. 333/1), Village - Nargudakhas, Tehsil - Tikamgarh, Dist. Tikamgarh (MP)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 333/1), Village - Nargudakhas, Tehsil - Tikamgarh, Dist. Tikamgarh (MP) 3.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format

duly verified in the Tehsildar Office letter no. 69 dated: 14/1/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed-

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
03 Trees	Within lease	-	Commitment that no tree felling is trees proposed
Kachcha Road	SW	120	-
Water body	>100	East	Provision of Garland drain & settling tanks.

PP further stated that no blasting is proposed and depth restriction is upto 3 meters. After presentation the committee asked to submit following details:

- Commitment that no tree felling is proposed .
- Inventory of the trees within lease.
- Revised CER incorporate awareness/ training & activities including of distribution of masks, sanitizers in the project affected villages' w.r.t. COVID-19 pandemic.

PP has submitted the response of above queries same date vide letter dated 20.05.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for murrum 1,00,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 13.91 Lakh as capital and Rs. 3.69 Lakh/year and under CER Rs. 00.60 Lakh/ year has proposed.

16. Case No 7007/2020 M/s ANS Construction Pvt. Ltd, Director - Shri Prashant Hashmukhlal Shah, 206 - Iskan Plaza, Bhulka Bhawan School Adzaan, Surat City, Navyuk College, Gujarat – 486331 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (As per Mine Plan 48640 cum 1st Year after that 2939 Cum/Year) (Khasra No. 152/3), Village - Harrai Gujran, Tehsil - Mauganj, Dist. Rewa (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 152/3), Village - Harrai Gujran, Tehsil - Mauganj, Dist. Rewa (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. 282 dated: 06/10/2018 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein as per Google image based on coordinates provided by PP, committee observed that the most parts of the lease is in close proximity of huge water body in the north side and nearby water channel in the eastern side of the lease. The proposed depth of mining is 18 meters in 1.00 ha land and possibility of water inundation can not be ruled out considering blasting for production of 48640 cum of stone. Thus, committee after deliberation recommends that this case can not be considered for grant EC and file may be sent to SEIAA for onward necessary action.

17. Case No 6997/2020 M/s P.S.Stone, Partner - Shri Pawan Kumar Jain, Shri Sunil Kumar Jain, Shri Vinod Sharma, PS Hotel, Guna By Pass Road, Dist. Shivpuri, MP – 473551 Prior Environment Clearance for Stone Quarry in an area of 3.0 ha (46746 cum per annum) (Khasra No. 378), Village - Lahadpur, Tehsil - Isagarh, Dist. Ashok Nagar (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 378), Village - Lahadpur, Tehsil - Isagarh, Dist. Ashok Nagar (MP) 3.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format

duly verified in the Tehsildar Office letter no. Q dated: 21/11/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

18. Case No 7000/2020 Shri Vikash Yadav, Gram - Mundra, Tehsil - Mungaoli, Dist. Ashok Nagar, MP – 473338 Prior Environment Clearance for Stone Quarry in an area of 1.820 ha (10640 cum per annum) (Khasra No. 245, 246, 278, 279), Village - Mundra, Tehsil - Mungaoli, Dist. Ashok Nagar (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 245, 246, 278, 279), Village - Mundra, Tehsil - Mungaoli, Dist. Ashok Nagar (MP) 1.820 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter dated: 05/7/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

19. Case No 7006/2020 Shri Dhanraj Shivhare, Railway Crossing Ke Pass, Dist. Sheopur, MP – 476337 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (8656 cum per annum) (Khasra No. 234/1), Village - Salmanya, Tehsil - Badoda, Dist. Sheopur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 234/1), Village - Salmanya, Tehsil - Badoda, Dist.

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

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1898 dated: 18/02/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.0 ha., including this mine.

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

20. Case No 6994/2020 Shri Arun Kumar Jain S/o Shri Mahendra Kumar Jain, Chanderi, Dist. Ashok Nagar, MP Prior Environment Clearance for Flagstone Quarry in an area of 1.849 ha. (1200 cum per annum) (Khasra No. 74, 79/1, 79/2), Village - Vikrampur, Tehsil - Chanderi, Dist. Ashok Nagar (MP)

This is case of Flagstone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 74, 79/1, 79/2), Village - Vikrampur, Tehsil - Chanderi, Dist. Ashok Nagar (MP) 1.849 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 490 dated: 22/8/2019 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 4.812 ha., including this mine.

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

DISCUSSION BASED ON QUERY REPLY SUBMITTED BY PP/ PENDING SINCE LONG

21. Case No. – 6659/2019 Shri Shivmangal Singh Gour, Basant Vihar, 301, Gulmohar Basant Vihar, Dist. Indore, MP – 452010 Prior Environment Clearance for Murrum and Stone Quarry in an area of 1.810 ha. (Murrum – 5,000 cum per annum, Stone – 10,000 cum per annum) (Khasra No. 154 (P)), Village - Rampur Khurd, Tehsil - Majhgawa, Dist. Satna, (MP).

This is case of Murrum and Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 154 (P)), Village - Rampur Khurd, Tehsil - Majhgawa, Dist. Satna, (MP) 1.810 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 2410 dated: 16/09/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, 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
Kachcha Road	Adjacent to lease	South-East	Setback of 10 meters to be left towards road side.
Pucca Road	50	West	Three rows plantation towards road side.
Human settlements	30	West	<ul style="list-style-type: none"> • Protection plan is needed • Control blasting with sand bags
Trees	Within lease	-	No tree cutting as submitted by PP.

The case was presented by PP and their consultant in the SEAC- 408th meeting dated 27/11/2019, wherein during presentation it was recorded that as per the Google image that one

more mine is seems to be exists within lease area (That mine is listed in this meeting as case number 6674/2019) however submitted Mining Officer letter No. 2410 dated: 16/09/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine. Committee after deliberation decided that PP shall obtain clear justification regarding number of mines in 500 meters around the said mine and same should be verified by the competent authority. Along with this PP shall submit the reply of following queries for further consideration of this case:

- Inventory of all exiting trees in lease area and commitment that no tree cutting is proposed.
- Revised EMP as suggested by the committee during presentation.
- Revised surface Map showing setback of 10 meters in lease from nearest Kachcha Road.
- Revised CER by adding traffic rule awareness camp as suggested by the committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 09.03.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum – 5,000 cum per annum and Stone – 10,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 5.76 Lakh as capital and Rs. 1.92 Lakh/year and under CER Rs. 0.50 Lakh/ year has proposed.

22. Case No. – 6485/2019 Smt. Sunayana Pandey W/o Shri Vinod Kumar Pandey, Village - Mahadeva, Post - Deora 1, Tehsil - Kotar, Dist. Satna, MP. Prior Environment Clearance for Murrum Quarry in an area of 1.60 ha. (10,000 cum per annum) (Khasra No. 02), Village - Bihara, Tehsil - Kotar, Dist. Satna (MP).

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 02), Village - Bihara, Tehsil - Kotar, Dist. Satna (MP) 1.60 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 leases within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Assistant Draftsmen (Mining Office-Satna) letter No. Nil dated: Nil has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.80 ha., including this mine.

The case was presented by PP and their consultant in 391st SEAC meeting dated 28/08/2019, wherein it was recorded from the Google image that this allotted lease is on hillock and some pit like structures can be seen on approximately > 75 % of lease area which might be dugged for plantation by Gram Sabah of gram panchayat. Committee after deliberation decided that PP should submit revised NOC of Gram Sabha with details about what are those pits like structures on lease area along with drone videography of complete lease area for further consideration of this project.

PP vide letter dated 24/01/2020 has submitted the reply of above raised queries in 391st SEAC meeting dated 28/08/2019 along with drone videography of lease area, which was placed before committee.

The case was presented by PP and their consultant in the SEAC- 424th meeting dated 12/02/2020 wherein PP has presented the drone videography of complete lease area according to which it appears that trenches are dugged-out in proper way to conserve water, hence mining in this area shall not be permitted. Committee after deliberation decided that leaving this area as non-mining zone approximately 0.80ha of area shall be available for mineral excavation; hence PP shall submit the commitment with revised surface map by clearly showing the non-mining area towards trenches for further consideration of this project.

PP has submitted the response of above quarries same date vide letter dated 17.03.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murum – 5,000 cum per annum and Stone – 10,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.59 Lakh as capital and Rs. 3.41 Lakh/year and under CER Rs. 0.60 Lakh/ year has proposed.

23. Case No. – 6725/2020 Shri Rameshwar Gupta S/o Shri Rambarosilal Gupta, Approach Road, Kolaras, Dist. Shivpuri, MP – 473770. Prior Environment Clearance for Stone and Murrum Quarry in an area of 2.870 ha. (Stone – 21,095 cum per annum, Murrum – 10,905 cum per annum) (Khasra No. 1767, 1768, 1769, 1770/1, 1771/1, 1796/1, 1797), Village - Bamor, Tehsil - Badarwas, Dist. Shivpuri (MP).

This is case of Stone and Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1767, 1768, 1769, 1770/1, 1771/1, 1796/1, 1797), Village - Bamor, Tehsil - Badarwas, Dist. Shivpuri (MP) 2.870 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 70 dated: 05/12/2019 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine total area of 6.87 ha., including this mine.

Being it's a case of Stone and Murrum Quarry with total area of 6.87 ha., this is a case of TOR. But PP's environmental consultant quoted that Collector Office vide letter dated 05/12/2019 have mentioned that out of 03 mines within 500 meters, lease agreement of 02 mines allotted to M/s. J & D Associate Co. and Shri Raghvendra Singh Tomar, have been expired in 14.07.2019 and 02.12.2015 respectively. Hence their case should be considered as B-2 category.

The case was presented by PP and their consultant in the SEAC- 417th meeting dated 22/01/2020 . Committee deliberated that expiring the lease allotment period does not infers that the mine is lapsed and now in future same will not be allocated to the same PP or other PP. The committee after deliberation asked PP to submit revised M.O. certificate clearly stating that mines whose lease agreement have been expired and will not be sanctioned / auctioned again in near future for further consideration.

PP has submitted the response of above quarries on dated vide letter dated 06.05.2020, which included M.O. letter vide no. 15518 dated 18.03.2020, which has included information of mines within 500 meters. M.O. mentioned in their letter that 03 mines are within 500 meters which were allotted to M/s. J & D Associate Company , area of 2.0 ha. and the lease agreement of this mine shall not be renewed and also not proposed for further auction . Another mine was allotted to Shri Raghvendra Singh Tomar area 1.0 ha., and at present this lease is in operation

from 06.06.2011 and continue till 05.06.2021 and third mine's belongs to Shri Gopal Sharan Goyal, area 1.0 ha. this lease is in operation from 25.01.2012 to 24.01.2022.

Hence, according to latest M.O. letter only two mines are in operation whose total area shall be 4.87 ha. So the total area of this cluster is < 5.0 ha. so this case will be dealt as B-2 category.

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

1. Production shall be as per mine plan with quantity not exceeding for Murrum – 10,905 cum per annum and Stone – 21,095 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 7.23 Lakh as capital and Rs. 3.01 Lakh/year and under CER Rs. 0.44 Lakh/ year has proposed.

24. Case No. – 6546/2019 Ms. Sangeeta Gupta, R/o Village - Kabrai, Dist. Mahoba, UP – 210424. Prior Environment Clearance for Stone Quarry in an area of 1.80 ha. (81,56 cum per annum) (Khasra No. 151(P)), Village - Dhujaura, Tehsil - Gaurihar, Dist. Chhatarpur (MP)

This is case of Stone Quarry located at (Khasra No. 151(P)), Village - Dhujaura, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 1.80 Ha. The case for grant of TOR was presented by the PP and their consultant in the 403rd SEAC meeting dated 06/11/2019. During presentation and appraisal of the case through Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

- That the lease area is falling on the hillock and this hillock where lease area is falling is having height of approximately 56 meters.
- Also to carry out mining of stone is in such a peculiar situation where gradient is too high involving lots of risks.
- Committee opinion that, in this area serious issue of slope stability and deployment of men and machine, slight carelessness may threaten the life of laborers.
- Green area is also observed on this lease area.

The case was presented by the PP and their consultant, in the SEAC- 424th meeting dated 12/02/2020, during presentation PP and their consultant has no explanation how the mining will be carried out in such situation where the height of hill is approx. 56 meters and what are the sensitive features around the lease. Thus committee after deliberations decided to carryout site visit by a sub-committee of this mine and TOR will be recommended after the site visit report.

During site visit it was observed that the site is located on hillock and a kachha entry road exists for approach to the mine site. The site is located approximately 200 meters away from habitations on the western side of the lease. No mining activities were seen during site visit on this lease. Some trees do exist on the lease. After inspection, committee recommends that following additional TORs shall be added in the Standard TOR prescribed by MoEF&CC to carryout EIA studies:

1. Proposed evacuation route with gradient shall be discussed in the EIA report as site is located on a hillock of 50-58 meters high.
2. Difference between top most RL and ground RL shall be provided in the EIA report to assess the actual height of the hill.
3. Actual distance of site from habitations with their protection plan shall be submitted in EIA report.
4. Proposed depth of mine from ground level and if ground water intersection is envisaged geo-hydrological studies shall be carried out.
5. Inventory of existing trees shall be provided in the EIA report.
6. Proposal for extensive green belt plan considering the high volume of mining shall be provided in EIA report.
7. Site specific issues related to slope stability and deployment of men and machine shall be addressed in the EIA report.
8. Proposal for pucca evacuation road (to carry 40 MT truck load) with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides shall be furnished in the EIA report as per Indian Road Congress standards.
9. Transportation shall be done with 40 MT truck load capacity to minimize the number of trips.
10. If crusher is proposed on site, same shall be of latest technology such as cone type, equipped with air pollution control devices, water sprinkling arrangements, wind breaking wall etc and the complete details shall be furnished with EIA report.

PP vide letter dated 25/04/2020 has applied for correction in capacity (from 81,56 cum per annum to 80,156 cum per annum) mentioned in the TOR issued TOR.

In this meeting the matter was placed with case file along with form- I & PPs representation for discussion. Committee after deliberations decided that due to typographical error the details of capacity was incorrectly mentioned in the issued TOR vide dated 28.02.2020, in fact it should be mentioned like 80,156 cum per annum instead of 8,156 cum per annum and revised TOR may be issued.

25. Case No. - 5739/2018 The Executive Engineer, Municipal Corporation, Pragati Nagar, Rastipura Colony, Burhanpur, (M.P.) 450331. Prior Environment Clearance for Proposed 4.5 MLD Common Effluent Treatment Plant at Khasra No. 364/1, Near Sindhi Basti Shamshan Ghat, Burhanpur, Distt. - Burhanpur (M.P.) Category - 7(h) Infrastructure and Miscellaneous Project. Env. Con. – SMS Envirocare Indore (M.P.).

The proposed project falls under item no 7(h) i.e. Infrastructure and Miscellaneous Project hence requires prior EC from SEIAA before initiation of activity at site. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

This is a case of proposed Common ETP in the located on at Khasra No. 364/1, Near Sindhi Basti Shamshan Ghat, Burhanpur, Distt. - Burhanpur (M.P.). The proposal pertains to setting up a CETP to treat the Domestic waste water contaminated with effluent being discharged from the Near Sindhi Basti Shamshan Ghat, Burhanpur.

In the 332nd SEAC meeting dated 26.10.2018 TOR was issued to the PP. And PP has submitted the EIA report vide letter dated 21.11.2019 which was forwarded through SEIAA vide letter no. 3308 dated 25.11.2019.

The EIA was presented by PP and their consultant in the SEAC 411th meeting dated 03.12.2019 . PP stated that total 1065.8 KLD water consumption is assessed in the Burhanpur IA out of which 403.0 KLD waste water generated. Total waste water generation is 4 MLD for proposed CETP i.e. 1 MLD capacity is considered for industrial effluent and 3 MLD for domestic sewage from colonies such as Indira Colony, Lalbagh and Sindhi Basti area. Currently this waste water is discharging in Pandarol Nala which finally meets to Tapi River after travelling approx. 4.0 km. PP further submitted that an existing CSTP will be modified and developed as CETP wherein initially the industrial effluent will be transferred through

tankers and later on through piped network. PP also informed that the public hearing was conducted on 07/08/2019. After presentation, PP was asked to provide response on following:

1. Detailed drawing and design with capacities of all units of proposed CETP.
2. Chemical analysis of sewage water before mixing industrial effluent (in the up-stream).
3. Revised plantation species as suggested by the committee.
4. Revised CER as suggested by the committee.
5. In CETP design parameters Inlet parameters such as BOD, COD, SO₄, NO₃, Solids etc., shall be studied and reported.
6. Based on the analytical results and the discharge rate worst-case scenario shall be evaluated and considering the same treatability studies for the proposed CETP shall be carried out to optimize the specifications.

PP vide their letter dated 18.05.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Proposed 4.5 MLD Common Effluent Treatment Plant at Khasra No. 364/1, Near Sindhi Basti Shamshan Ghat, Burhanpur, Distt. - Burhanpur (M.P.) Category - 7(h) Infrastructure and Miscellaneous Project (MP)., subject to the following special conditions:

I. Statutory Compliance

- i. The project proponent shall obtain forest clearance under the provision of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.
- iv. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water/from the competent authority concerned in case of drawl of surface water required for the project.
- 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, etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

- vii. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosive, Fire Department, etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
- II. **Air quality monitoring the preservation**
 - i. The gaseous emission from DG set (100 KVA) shall be dispersed through adequate stack height as per CPCB standards. Diesel generating sets shall be installed, in the downwind directions.
 - ii. Appropriate Air Pollution Control (APC) system shall be provided for fugitive dust from all vulnerable sources, so as to comply prescribed standards.
- III. **Water quality monitoring and preservation**
 - i. The project proponent shall install 24 x 7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules, 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to the equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - ii. Total fresh water use i.e. 1.0 KLD (source: Nagar Nigam, Burhanpur) shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
 - iii. Treated water: domestic Sewage – 3000.0 KLD as well as primary effluent- 10000.0KLD will be treated in 4.5MLD proposed CETP. Treated effluent -3600KLD will be re-used by Industrial area Burhanpur and Nagar Nigam, Burhanpur.
 - iv. All hazardous waste generated from the proposed CETP project will be stored at designated place within the plant. All generated hazardous waste will send to nearest Common Hazardous Waste Treatment and Disposal Facility as per direction of MPPCB.
 - v. There shall be flow meters at inlet and outlet of CETP to monitor the flow, suitable meters shall be provided to measure the quantity of effluent received, quantity of effluent recycled/reused and discharged.
 - vi. The units and the CETP will maintain daily log book of the quantity and quality of discharge from the units, quantity of inflow into CETP, details of the treatment at each stage of the CETP including the raw materials used, quantity of the treated water proposed to be recycled, reused within the Industrial park/units, quantity of the treated effluent discharged. All the above information shall be provided on-line of the web site exclusively prepared for the purpose by the CETP owner. The website shall be accessible by the public. The financial

and energy details of the CETP will also be provided along with details of the workers of the CDTP.

- vii. The CETP operator will maintain an annual register of member units which will contain the details of products with installed capacities and quality and quantity of effluents accepted for discharge. This will form a part of the initial and renewal applications for consent to operate to be made before the State Pollution Control Board.
- viii. No Changes in installed capacity, quality or quantity of effluents as agreed upon in the initial MoU between the operator and the member units, addition of any new member units shall be carried without prior approval of the ministry.
- ix. The unit shall inform the State Pollution Control Board of any breakdown in the recycling system, store the effluents in the interim period and dispose effluents only as advised by the Pollution Control Board.
- x. The unit shall also immediately inform the Pollution Control Board of any breakdown in the recycling system store the effluents in the interim period effluents only as advised by the pollution Control Board.
- xi. The MoU between CETP and member units shall indicate the maximum quantity of effluent to be sent to the CETP along with the quantity.
- xii. The unit shall maintain a robust system of conveyance for primary treated effluents from the member units and constantly monitor the influent quality to the CETP. The Management of the CETP and the individual member shall be jointly and severally responsible for conveyance and pre-treatment of effluents. Only those units will be authorized to send their effluents to the CETP which have a valid consent of the Pollution Control Board and which meet the primary treated standards as prescribed. The CETP operator shall with the consent of the State Pollution Control Board retain the powers to delink the defaulter unit from entering the conveyance system.
- xiii. The effluent from member units shall be transported through pipeline. In case the effluent is transported through road, it shall be transported through CETP tankers only duly maintaining proper manifest system. The vehicles shall be fitted with proper GPS system.
- xiv. Before accepting any effluent from member units, the same shall be as permitted by the SPCB in the consent order. No effluent from any unit shall be accepted without consent from SPCB under the Water Act, 1974 as amended.
- xv. Treated water shall be disposed on land for irrigation. An irrigation management plan shall be drawn up in consultation with and to the satisfaction of the State Pollution Control Board.
- xvi. The project proponent will build operate and maintain the collection and conveyance system to transport effluents from the industrial units in consultation with and to the satisfaction of the State Pollution Control Board and ensure that the industrial units meet the primary effluent standards prescribed by the State Pollution Control Board.
- xvii. The State Pollution Control Board will also evaluate the treatment efficiency of the Effluent Treatment Plant (ETP) and its capability of meeting the prescribed standards. The final

scheme of treatment would be such as is approved by the Pollution Control Board in the Consent to Establish.

- xviii. The project proponents will create an institutional arrangement for the involvement of individual members in the management of the CETP.

IV. **Noise monitoring and prevention**

- i. Noise level survey by carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipment.

V. **Waste management**

- i. ETP sludge generated from CETP facility shall be handled and disposed to nearby authorized TSDF site as per Hazardous and Other Waste Management Rules, 2016.
- ii. 606 Kg dry matter/day of CETP sludge from Imphoff tank and 533.6 Kg dry matter/day from sludge production NB stored in covered area with plateform and be disposed off in CTSDf or as per consent/authorization to the availed from the State Pollution Control Board. Used Oil - 182.5 liter /year for lubrication stored in covered area and sent to authorized oil processor.
- iii. Non-Hazardous solid wastes and sludge arising out of the operation of the CETP shall be adequately disposed as per the Consent to the availed from the State Pollution Control Board.
- iv. Non Hazardous solid wastes and sludge shall not be mixed with Hazardous wastes.
- v. The CETP shall have adequate power back up facility, to meet the energy requirement case of power failure from the grid.
- vi. The site for aerobic composting shall be selected and developed in consultation with and to the satisfaction of the State Pollution Control Board. Odour and insect nuisance shall be adequately controlled.
- vii. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- viii. The solid wastes shall be segregated, managed and disposed as per the norms of the Solid Waste Management Rules, 2016.

VI. **Energy Conservation measures**

- i. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
- ii. Reduction in energy consumption can be achieved by using LED lights wherever required as well as Street solar panel.

VII. Green Belt

- i. Green belt shall be developed in area as provided in project details, with native tree Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
- ii. In the proposed green belt total 450 tree species will be planted in entire 04 years plantation programme and for this 10950.00 (33%) of the total area of vacant plot area shall be used for Green Belt Development.

VIII. Public and Human health issues

- i. Emergency preparedness plan based on the Hazardous identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. Adequate infrastructure, including power, shall be provided for emergency situations and disaster management.
- iii. 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.
- iv. Occupational health surveillance of the workers shall be done on a regular basis.

IX. Corporate Environment Responsibility

- i. The Project proponent shall comply with the provisions contained in this Ministry's OM vide F.Ho. 22-65/2017-IA.III dated 1st May 2018, as applicable regarding Corporate Environment Responsibility.
- ii. In the EMP, capital cost is Rs. 135.50 Lakh is and Rs.56.30 Lakh /year as recurring expenses have proposed.
- iii. Under CER activity, Rs. 16.0 Lakh has proposed in different activities for five years and CER should be implemented through respective committees.
- iv. The company shall have a well laid down environmental policy approve by the Board of Directors. The environment 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 and / or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF & CC as a part of six-monthly report.
- v. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

- vi. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- vii. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous

- i. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- iii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environmental, Forest 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 (Protecting) Act, 1986.
- v. The above conditions shall be enforced, inter-alia under the provision 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 amendment and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and nay other Court of Law relating to the subject matter.

26. Delisting of following cases as TOR as their validity has expired

TOR's were issued to the following cases and till date neither the EIA nor any request for TOR validity extension has received from PP and the validity of TOR has been expired. Hence, committee after deliberations decided that these following cases may be sent to SEIAA for delisting:

SN	Case No. Activity	SEAC Meeting details	Reason for delisting
1.	Case No.5529/17 Shri Raghav Chandak, 203, G Blockm	TOR Recommended in SEAC-II 73 nd meeting dt-	ToR Validity was up to 11.04.2020. Since PP

	Sri Ganga Nagar, Rajasthan Prior Environment Clearance for River Sand quarry in an area of 20.0 ha. (1,60,000 cum per annum) (Khasra no. 181 part) at Village- Bhadaura Tehsil - Badwara, Dist. Katni (MP)	12.04.2017.	neither submitted EIA report, case may be delisted.
2.	Case No.5533/2017 M/s. Shri Krishnadas Tikaram, Civil Line Post Box no. 156 , Katni, Distt. Katni MP. Prior Environment Clearance for Bauxite and Fireclay Mine in an area of 1.04 ha. (5879 TPA) (Khasra no. 1193, 1194, 1195) at Village- Naikin , Tehsil - Rampur Naikin, Dist. Sidhi (MP) (EIA Consultant: M/s Uplinka Solutions & Technology Pvt. Ltd., Noida	TOR Recommended in SEAC-II 71 th meeting dt- 10.03.2017.	ToR Validity was up to 09.04.2020. Since PP neither submitted EIA report, case may be delisted.

(Dr. Anil Sharma)
Member

(Dr. Mohd. Akram Khan)
Member

(Dr. Sonal Mehta)
Member

(Dr. R. Maheshwari)
Member

(Dr. Jai Prakash Shukla)
Member

(R.S.Kori)
Secretary

(Mohd. Kasam Khan)
Chairman

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

Annexure- 'A'

Standard conditions applicable to Stone/Murum and Soil quarries:

1. Mining should be carried out as per the submitted land use plan and approved mine plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and fenced from all around the site. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
5. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
6. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
7. Crusher with inbuilt APCD & water sprinkling system shall be installed minimum 100 meters away from the road and 500 meters away from the habitations only after the permissions of MP Pollution Control Board with atleast 03 meters high wind breaking wall of suitable material to avoid fugitive emissions.
8. Thick plantation shall be carryout in the periphery/barrier zone of the lease, mineral evacuation road and common area in the village. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
9. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
10. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
11. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
12. To avoid vibration, no overcharging shall be carried out during blasting and muffle blasting shall be adopted. Blasting shall be carried out through certified blaster only and no explosive will be stored at mine site without permission from the competent authority.
13. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks (SS pattern) of suitable sizes shall be provided.
14. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
15. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.

16. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
17. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
18. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
19. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
20. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
21. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
22. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Moreover, A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.

Annexure- 'B'

Standard conditions applicable for the Sand Mine Quarries*

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

6. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
7. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
8. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
9. No Mining shall be carried out during Monsoon season.
10. The depth of mining shall be restricted to 3m or water level, whichever is less. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
12. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
13. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
14. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
15. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
16. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
17. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
18. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
19. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
20. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
21. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
22. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
23. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

24. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
25. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020

Annexure- 'C'

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

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

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

Annexure- 'D'

General conditions applicable for the granting of TOR

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

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

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.

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