STATE EXPERT APPRAISAL COMMITTEE MINUTES OF 335 MEETING **01st December 2018**

The 335th meeting of the State Expert Appraisal Committee (SEAC) was held on 01st December, 2018 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Dr. Sonal Mehta, Member.

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

1. **Case No. – 5570/2017 M/s Sun Pharmaceutical Industries Ltd, K-5, 6, 7 & 10, Ghirongi Industrial Area, Malanpur, Distt. -Bhind, (M.P.) – 477117. Prior Environment Clearance for Expansion of API (Penems) & Intermediate Manufacturing facility at K-5, 6, 7 & 10, Ghirongi Industrial Area, Malanpur, Dist. - Bhind, (M.P.). Proposed Capacity – 110 TPA, Land Area – 10.928 Acres (4.4225 ha./44225 m2).Cat. - 5(f) Project Synthetic Organic Chemicals Industry (Bulk Drug). Env. Consultant: EEPL Kolkota.**

   The project is a Synthetic Organic Chemicals Industry (dyes & dye intermediates; bulk drug). 5(f) Synthetic Organic Chemicals Industry (As per EIA notification dated 14th September 2006 and amended to the date) and involves environmental clearance. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

   Project History

   The Plant had started its operations since 1995 with name M/s Cardinal Drugs Ltd. for production of bulk drugs with valid EC with the production capacity approval of 71.4 TPA, as the company took over by M/s Ranbaxy limited in year 2006 & later at 2015 M/s Ranbaxy limited amalgamated with M/s Sun Pharmaceuticals Industries Limited.

   M/s Sun Pharmaceuticals Industries Limited has taken the 'Consent to Operate' for Air and Water from Madhya Pradesh Pollution Control Board with consent no. AW-45775, with validity up to 31/08/2017 along with the consent for the Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008, with consent no. H-45451, Valid till 30/06/2021. The company is also having the TSDF membership for the disposal of hazardous waste valid till 31.03.18.

   In the year 2008 the M/s Ranbaxy applies to the CTO & receives the CTO with specific condition in which it mentioned to install the Multi Effect Evaporator (MEE), to upgrade the

pollution control facility & to ensure the solvent recovery not less than 95%. MPPCB asked the Site to obtain EC in 2013. Accordingly, an application for EC was filed with the name of M/s Ranbaxy Limited in the year 2014-2015. Now M/s Sun Pharmaceuticals Industries Limited applying for the grant of EC with the present ownership name along with proposed expansion for production capacity of 110 TPA for API (Penems) & Intermediate.

Project Location & Connectivity

The project is located over the land which comes under the notified industrial area of Ghirongi, Malanpur and lies between latitude 26° 21' 43.88" N to 26° 21' 52.52" N and longitude 78° 16' 48.32" E to 78° 16' 58.90" E. having elevation of 567 meters above sea level. The project is located in plot no. K-5, 6, 7 & 10 Ghirongi Industrial Area, Malanpur, Taluka Gohad, District Bhind. The site is well connected with NH-92 which is about 1.1 km from the project site. The nearest railway station is Malanpur Railway Station which is 3.7 km from the site in W direction. Nearest Airport –Gwalior; (Rajmata Vijayraje Scindia Airport) About 7.7 km in S direction.

The site is already under possession of M/s Sun Pharmaceutical Industries Limited and comes under the notified industrial area of Ghirongi, Malanpur, Taluka Gohad, District Bhind. The distance of Mowai Dam is about 3 km in SSW direction and Kotiwal Reservoir is about 19.8 km in NW direction. The famous BalaJi Temple (Baretha)- Temple-About 5.5 km in S direction & the famous Sun Temple about 15.3 km in SW direction.

Project Details

The project occupies Total Plot Area of 10.928 Acres/ 4.4225 ha / (44225 m^2) and involve in business of manufacturing of Intermediate & APIs-Penems, having a capacity of manufacturing of 110TPA after proposed expansion of APIs (Penems) and it's Intermediates, with annual turnover of Malanpur unit approx. Rs. 50.29.2 Cr. Per Year as per March 2016. The total fixed cost of the project is INR 57.6 Cr. as per the company gross book value as on 22/02/2017.

The major facilities involved area Boiler, MEE, ATFD, Solvent recovery Plant, Solvent storage area, reactors, Cooling towers, Effluent treatment plant (ETP), and R.O Plant Facilities like administrative office, parking and greenbelt/plantation also developed as per plan/requirement

The total water requirement for the project after the proposed expansion will be approx. 160 KLD which will be sourced from surface water supplied by IIDC-Gwalior and from bore well. The company is authorized to use 100 KLD of surface water supplied by IIDC and 20 KLD from bore well thus the company is authorized to use 120 KLD water. M/s Sun Pharmaceutical Industries Limited already applied to IIDC for the grant of extra 33% of water. The entire wastewater shall be treated in the 100 KLD capacities ETP and the treated water will be used for cooling towers, floor washing and gardening/green belt.

Solid waste generated during the manufacturing process and wastewater treatment process is mainly sludge and will be disposed at authorized TSDF facility, as per Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2008 (Amendment 2016). M/s SUN Pharmaceutical Industries Ltd has taken the authorization Under Hazardous Waste (Management, Handling & Transboundary Movement), Rules, 2008 from MP PCB (valid till 30/06/2021). Company is also having the membership of authorized TSDF facility for the disposal of hazardous waste (valid till 31/03/18)

Power requirement will be sourced from existing line of "Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company". The company is already authorized to use power load of 900KVA on 33KV line & no additional power load will be required for proposed expansion as the company is running under load. In case of power failure, D.G. set will be used as a backup power source.

The M/s Sun Pharmaceutical Industries Ltd hired a total manpower of 250 who will be from, Gwalior and nearby villages/area and therefore no residential planning has been incorporated.

The case was presented by the PP and their consultant in 293rd SEAC meeting dated 17/06/2017, wherein PP submitted that proposal is for expansion with production capacity of 110 TPA and the plant is in operation since 1995. After presentation, committee decided to recommend standard TOR prescribed by MoEF&CC with following additional TOR:

1. Compliance of earlier EC conditions duly authenticated by the competent authority of MoEF&CC.
2. PP should provide entire product mix in the EIA report.
3. Worst case scenario w.r.t. waste water and hazardous waste should be submitted.
4. Details of solvents and their recovery plan should be discussed in the EIA report.
5. VOC should be monitored in the AAQ.
6. All MSDS should be provided with the EIA report.

7. Industry has to comply with zero discharge for which necessary details should be provided in the EIA report.

PP has submitted the EIA report vide letter dated 18/10/2018 which was forwarded through SEIAA vide letter no. 1626 dated 30/10/2018

The EIA was presented by the PP and their consultant wherein PP submitted that the proposal for solvent recovery is 98% and this will be a "Zero Liquid Discharge" unit. PP further submitted that it's an established unit thus the entire green belt is developed but still the proposal for re-densification is proposed. Committee after deliberations recommends that PP should take-up green belt development in the adjoining area with the help of local authorities and a minimum of 100 trees shall be planted in adjoining area. PP further submitted that they have obtained the compliance of earlier EC conditions from the MoEF&CC vide letter dated 13/08/2018 and the compliance is found satisfactory. After presentation PP was asked to submit response on following:

1. Copy of CGWB application for withdrawal of ground water.
2. Copy of MoEF&CC compliance report as some pages are missing in the report attached with EIA.
3. Details of proposed additional plantation in adjoining area.
4. Revised CSR proposal with bifurcation in capital and recurring.

PP vide letter dated 01.12.2018 submitted reply of the above query. The query reply was discussed 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 Prior Environment Clearance for Expansion of API (Penems) & Intermediate Manufacturing facility at K-5, 6, 7 & 10, Ghirongi Industrial Area, Malanpur, Dist. - Bhind, (M.P.). Proposed Capacity – 110 TPA, Land Area – 10.928 Acres (4.4225 ha./44225 m2) subject to the following special conditions:

(A) Statutory compliance:

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

3. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

(B) Air quality monitoring and preservation

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to MPPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
3. 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 S02 and NOx in reference to S02 and NOx 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.
4. 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.
5. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
6. The DG sets (1 x 1250 kVA and 1x 500 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.

7. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
8. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 161h November, 2009 shall be complied with.

(C) Water quality monitoring and preservation

1. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
2. As already committed by the project proponent "Zero Liquid Discharge" shall be ensured and no waste/treated water shall be discharged outside the premises.
3. The effluent shall (100 KLD) be segregated as high COD/High TDS and Low COD/Low TDS effluents. The HCOD/HTDS shall be neutralized and sent to stripper followed by MEE and ATFD. LCOD/LTDS effluent shall be treated in ETP with domestic effluent followed by RO system. The treated effluent shall be entirely reused and recycled in cooling tower make-up.
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 119 KLD and as proposed from IIDC, bore well and rrain water harvesting has been proposed from the building roof top 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 recharge the ground water 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 DG sets (1 x 1250 kVA and 1x 500 kVA) 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 900 kVA.
3. The power will be supplied by Madhya Pradesh Electricity Board.

(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 spent solvents, organic incinerable wastes/residues, used filter bags, packaging materials, rejected/expired raw materials and off specification/ rejected finished products from the manufacturing plants shall be directly sent to CTSDF, Dhar.
3. 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.
4. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
5. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
6. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.

7. Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.
8. The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
9. 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.
10. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
11. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
12. 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.
13. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
14. 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.
15. 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. Approximately 100 additional trees will be planted in an area of 500 m^2, The green belt of 5-10 m width shall be developed near the total project area, mainly along the plant periphery, in downward wind direction and along road sides etc. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department.

2. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the EIA 1316 no's trees in four years shall be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

(H) Safety, Public hearing and Human health issues

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

(I) Corporate Environment Responsibility

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any

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

3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
5. The proposed EMP cost is Rs. 522.520 lakhs and 53.14 lakhs/year as recurring cost and out of which the Environment Monitoring Cost for the project is 7.0 lakhs and Rs. 3.0 lakhs is proposed for green belt development.
6. Under CER activity, capital cost is Rs. 12.0 lakhs and 22.13 lakhs/year as recurring cost and 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. Every three years third party environmental audit shall be carried out.

X. Miscellaneous

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
2. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.
3. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing 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.

2. Case No. - 5734/2018 The Executive Engineer, Narmada Development Division No. 25, Narmada Nagar, Distt. - Khandwa, (M.P.) – 450119. Prior Environment Clearance for Micro Irrigation Scheme, Lifting Point : ISP Main Canal at Command Area- 3660 ha. In 13 Villages of Khandwa District in M.P. by lifting 13.47 MCM water from ISP Main Canal at RD 13.00 KM ha. at Kodwar, Tehsil - Punasa, Dist. - Khandwa, (M.P.) Cat. - 1(c) River Valley and Hydroelectric Projects. Env. Con. – R. S. Enviro Link, Gurgoaon.

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

Salient features of the project, proposed TOR and other details of the project were presented before the SEAC by the PP and his consultant, which reveals following:

AIM(S) OF THE SCHEME WORK :

The main objective of KODWAR MICRO LIFT IRRIGATION SCHEME is to provide irrigation facilities to the water-scare areas in upper reaches of Punasa, tehsil of Khandwa district where the level of irrigation is very much less as compare to national irrigation percentage. The KODWAR MICRO LIFT IRRIGATION SCHEME has been conceived to catter irrigation water to about 3660 Ha CCA in Khandwa and Punasa, tehsil of Khandwa districts in 13 villages.

Location of Scheme :

The Scheme area lies in Khandwa District. The supply source i.e. ISP Main Canal Zirnia village of Khandwa District and command area lies in Punasa tehsil of Khandwa districts.

SALIENT FEATURES

1.	**Name of the Scheme**	**KODWARMICRO LIFT**

IRRIGATION SCHEME

2.	**Type of Scheme** (Irrigation or Multipurpose)	:	MICRO LIFT Irrigation Scheme
3.	**Location**	:	
	i) Supply Source	:	ISP Reservoir
	ii) Lifting Point ;	:	ISP Main Canal VillageZirnia
	iii) Command		Tehsil Punasa, Distt. Khandwa
3.1	**River Basin**		
	a) Name	:	Narmada Basin
	b) Location	:	Madhya Pradesh Distt. Khandwa
3.2	**River / Tributaries**		Narmada Basin
3.3	**State / District or Tehsils in which following are located**		State District Tehsil
	(a) Lifting Point / Rising Main		M.P KhandwaPunasa
	(b) Command Area		
3.4	**Name of Village near head works** (Lifting Point)		Village Zirnia, Tehsil Punasa
3.5	**Location of Pump house**		
	(i) Lifting Point		ISP Main Canal Village Zirnia Tehsil Punasa
	(a) Longitude		76^0 35' 10"
	(b) Latitude		22^0 05' 30"
	(c) List in Earthquake Zone No		Zone-III (Moderate Seismic)
	(i) Level at off take point		R. L. 246.00 meter (Near village Zirnia)
	(ii) Level at Delivery point		R.L. 288.00 meter near village Bahmori
3.6	**Scheme Area reference**		
	Top sheet		Rising main/Gravity main/Command Area55 C/9]]
3.	**Access to the Scheme**		
	a) Nearest Airport		Devi Ahilya Airport Indore (M.P.) 175 Km from Lifting Point
	b) Nearest Rail Station		Khandwa, 45 km from Lifting Point
4	**Interstate aspects of the Scheme**		
	(a) Catchment area of the basin		
	(b) State-wise / Country-wise details of Catchment area		It is a lift scheme and no balancing reservoir , hence No submergence
	(c) Submergence due to Scheme		
	(d) Water allocation for the state (if any)		The Quantum of water being lifted for this Scheme is included in the water

		share of M.P. as per NWDT award
	(e) Water allocation for other state	Not applicable
	(f) committed utilization	
	(i) **Upstream Schemes**	
	(a) Scheme Completed	
	(b) Scheme under construction	
	(c) Feature Schemes	
	(d) Any other	As stated above it is as per committed utilization of share of Narmada Water
	(ii) **Downstream Schemes**	
	(a) Scheme Completed	
	(b) Scheme under construction	
	(c) Future Schemes	
	(d) Any other	
	(g) Proposed annual utilization by the Scheme	13.47Mcm
	(i) Irrigation (surface)	3660 Hectare
	(ii) Annual irrigation on intensity of irrigation @ 100%	3660 Hectare
	- Rabi	100% (3660 Ha.)
	Total -	**100%**
	(i) Irrigation	1.30 cumec
	Total	1.3**cumec**
5	**Estimated life of the Scheme (years)**	50 Year
6	**Irrigation (ha.)**	
	(a) Gross command area (GCA)	7262 Hectare
	(b) culture able command area (CCA)	3660 .Hectare
	(c)Area under Irrigation (break up)	
	(i) Kharif	-
	(ii) Rabi	3660 Ha.
	(iii) Horticulture	-
	(iv) Gross irrigated area	5307 Ha.
	(vi) Intensity of irrigation	100%
	(d) Cost per hectare of gross area irrigated	1.90Lacs/Hact.
7	**Scheme Performance**	
	(a) Irrigation	3660 Hectare
8	**Head Regulator(s)**	Pump House Structure shall be

		constructed
9	**Canal System**	
	9.1 Rising Main	Canal (Piped) – 3.5 Km
	9.1.1 Purpose of Canal	Irrigation and raw water to villages of command area
	9.1.2 Type	
	(a) Flow	Piped system
	(b) Lined/unlined	Piped system
	(c) Discharge capacity of the Channel above which lining is proposed	Not applicable (Piped Canal)
	(d) Type of lining	Not applicable
	9.1.3 Design data	
(a)	Length (km)	Distributory No. =44 Km (Piped)
(b)	Full supply level at head/tail (El-m)	Not applicable as the flow will be pressurised flow
(c)	Full supply depth at head/tail (El-m)	
(d)	Bed width at head/tail(El-m)	
e)	Side slope at head/tail (El-m)	
f)	Bed slope (range)	According to hydraulic gradient
g)	Maximum discharge capacity at head (m^3/s)	1.30 cumecs
h)	Total number of canal structures	NIL except outlets for irrigation & water supply at Appropriates location
i)	Total head losses	42 M
j)	Gross command area (ha.)	7262
k)	Culturable command area (ha.) Net C.C.A.	3660 Ha
9.2	Efficiencies (percentage)	
	(a) Conveyance	95%
	(b) Field application	84%
10	**Cropping Pattern**	Existing 100% Proposed 100%.
11	**Cost**	
	11.1. Cost of the Scheme (Rs.Crore)	**69.61Crores**

	11.2 Allocation cost (Rs.Crore)	
	Unit I	**36.91Crores**
	Unit II	**32.70Crores**
	Total Cost	**69.91Crore**
		Say Rs.69.91Crore
12	**B.C. Ratio**	***1.99***

The case was presented by the PP and their consultant in 327th SEAC meeting dated 07/09/2018, wherein during presentation PP request that as per the latest MoEF&CC notification S.O. 3977 (E), dated 14th August 2018 stated that projects Medium Irrigation system (> 2000and < 10,000 ha.) required to prepare EMP and to be dealt at State Level (B2 Category).

After presentation the committee decided that PP should submit a comprehensive EMP through QCI/NABET **accredited** consultant addressing following issues:-

1. EMP with one month data for Air, Water and Noise monitoring.
2. Inventory of existing trees with their number and species on the lease and detailed plan if any existing tree is to be uprooted for the mining.
3. Details of proposed blasting (if any) and safety measures should be discussed in the EMP.
4. Management and disposal plan of C&D if any.
5. Existing scenario of site should be discussed in the EMP in detail.
6. EMP should be supplemented by the recent photographs of the site.
7. A detail of the source (quantum of water available, other potential users etc.) from where water is envisaged to be lifted shall be furnished.
8. Places where diversions of nallah/natural drains are proposed should be detailed out in the EMP report.
9. Sedimentation study in the pipe lines including the deposition, scaling etc should be furnished with EMP report along with the methodology proposed for its cleaning.
10. Economic viability and cost benefit analysis be conducted and presented in the EMP report and should also take into consideration environmental/ecological factors.
11. How micro-irrigation technology shall be implemented in this project after the completion of the project should be discussed in the EMP report.
12. The study area for the EMP shall include 2.5 Km area on either sides of the pipeline.
13. Management plan for dug-out material generated during laying / construction of the pipe line / structures.

14. 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 EMP.
15. An inventory of flora & fauna based on actual ground survey shall be presented.
16. PP should also explore the possibility of reducing proposed power requirement and methods proposed for dealing with back pressure in case of electricity failure should be studied in the EMP report.
17. EMP report should cover impact of anticipated change in cropping pattern and associated activities like horticulture, animal husbandry etc.
18. Ratio of gravity flow and pumping should be studied in the EMP report as 03 pumping stations are proposed in the project.
19. Any proposal for alternate power supply. If yes, their details should be discussed in the EMP report.
20. Risk factors with their management plan should be discussed in the EMP report.

PP has submitted the EMP report vide letter dated 22/10/2018 which was forwarded through SEIAA vide letter no. 1628 dated 30/10/2018

The case was presented by PP and their consultant wherein the PP stated that:

- The project has a command area of 3660 ha; therefore as per EIA notification of September 2006 and subsequent amendment, it is a Category B2 project (Medium irrigation project having CCA > 2000 ha and < 10000 ha)" .
- The main objective is to provide irrigation water to the water-scarce areas in Khandwa district where the level of irrigation is much less as compare to national average.
- The project is planned to cater irrigation water to 3660 ha of CCA in 13 villages of Punasa tehsil.
- Kodwar is a lift irrigation Scheme, consisting of lifting water from an existing canal (ISP main canal) to meet irrigation water requirement for 3660 Ha.
- 13 Villages of Punasa tehsil of Khandwa district will be benefited.
- Project is designed for discharge of 1.3 cumec.
- 3 Rising mains : Length 6, 8 and 8 Km
- Power Requirement : 1.738 W
- Distribution Network up to 2.5 ha chak in 3660 ha

PP further, stated that the 0.98 forest land is involved in this project and they have applied for forest clearance for which PP was asked to submit the copy of application made for FC

clearance. No permanent R&R is involved only temporary R&R at pipe laying stage. After presentation PP was asked to submit following information.

1. Details of temporary land acquisition in the proposed villages and its area.
2. Lay-out map of project showing location of pumps.
3. Copy of application submitted to forest department for diversion of 0.98 ha forest land.

PP vide letter no. 2489, dtd 01.12.2018 submitted reply of the above queries. The query reply was presented by the PP and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of prior EC for Micro Irrigation Scheme, Lifting Point : ISP Main Canal at Command Area- 3660 ha. In 13 Villages of Khandwa District in M.P. by lifting 13.47 MCM water from ISP Main Canal at RD 13.00 KM ha. at Kodwar, Tehsil - Punasa, Dist. - Khandwa, (M.P.) **subject to the following special conditions and obtaining FC clearance for diversion of 0.98 ha forest land:**

(A) PRE-CONSTRUCTION PHASE

1. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
2. For dust suppression, regular sprinkling of water should be undertaken.
3. PP will obtain other necessary clearances/NOC from respective authorities.
4. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter shall also be made available to local bodies, Panchayat, State Pollution Control Board and Regional Office**,** MoEF & CC GoI, Bhopal.
5. Provisions shall be made for the housing of construction/plant erection labor within the site with all necessary infrastructure and facilities such as mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.

(B) CONSTRUCTION PHASE

6. PPE's such as helmet, welding shield, ear muffs etc should be provide to the workers during construction/plant erection activities.
7. Fire extinguishers should be provided on site during construction/ plant erection period.

8. Water sprinkling arrangements shall be made to suppress the fugitive emissions and shall ensure that the ambient air quality is well within the prescribed norms by MoEF&CC/CPCB/MPPCB.
9. All the electrical appliances and digging should be minimum 15 meters away from any permanent structure.
10. Properly tuned construction machinery and good condition vehicles with mufflers (low noise generating and having PUC certificate) should be used and turned off which not in use.
11. DG sets shall be provided with acoustic enclosures to maintain the noise level within the prescribed limits.
12. Waste construction material should be recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
13. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
14. MSW of various labors generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.
15. Waste oil generated from the DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization.
16. The soil removed during the excavation will be stacked separately and will be used for the green belt development only.

(C) POST CONSTRUCTION/OPERATIONAL PHASE

17. Plantation shall be carried out by the PP as per submitted plan in the command area or on available degraded land.
18. Efficient irrigation systems should be promoted in the command area as Social Responsibility by the trained staff of the department.
19. Periodic soil/water testing shall be carried out in the command area and report to be submitted to Ministry of Agriculture with essential remarks.
20. Use of Solar Energy should be promoted in the project area where ever possible.
21. The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Plastic Waste

Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Solid Waste Management Rules, 2016 etc.

22. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
23. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.

(D) ENTIRE LIFE OF THE PROJECT

24. A budgetary provision of Rs. 137.91 Lakh is made for Environmental Management Plan as capital and Rs. 202.00 Lakh up to five year as recurring cost, out of which A budgetary provision of Rs. 1.0 Lakh is made for implementing Environmental Monitoring Programme The environment policy of the company should be framed as per MoEF&CC guidelines and same should be complied and monitored through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
25. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
26. All commitments pertaining to public hearing shall be mandatory on part of PP.
27. The environment policy should be framed as per MoEF&CC guidelines and same should be complied and monitored through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
28. As proposed, the green belt development / plantation activities should be completed within the first three years of the project and the proposed species should also be planted in consultation with the forest department.
29. In case of any, change in scope of work, technology, modernization and enhancement of capacity/ built-up area/ project area shall again require prior environmental clearance as per EIA notification, 2006.
30. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
31. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

3. Case No. - 5230/2016 Engineer in Chief, Water Resources Department, Jal Sansadhan Bhawan, Tulsi Nagar, Bhopal (M.P.). 462003. Prior Environment Clearance for Proposed SAJALI Medium Irrigation Project, Gross Command Area – 12945.0 ha., Cultivable Command Area - 9950 ha., Catchment Area – 158.08 Sq km, Earth Dam Lenth – 3712 M, Left flank – 430 M, Right flank – 3282 M, Maximum height of Dam – 21.15 M ha., at Village -Pathariya, Keolari, Teh-Patharia Distt-Damoh(M.P.). Cat. - 1(c) River Valley and Hydroelectric Projects. Env. Consultant- Voyants Solutions Pvt. Ltd. Gurgaon.

This is case of Medium River Valley and Hydroelectric Project. The application was forwarded by SEIAA to SEAC for appraisal of proposed SAJALI Medium Irrigation Project, Gross Command Area – 12945.0 ha., Cultivable Command Area - 9950 ha., Catchment Area – 158.08 Sq km, Earth Dam Lenth – 3712 M, Left flank – 430 M, Right flank – 3282 M, Maximum height of Dam – 21.15 M ha., at Village -Pathariya, Keolari, Teh-Patharia Distt-Damoh(M.P.). The project requires prior EC before commencement of any activity at site.

Location Details

S.No.	Details	Sajali Medium Irrigation Project
1	Latitude	23^0 57’ 00” N
2	Longitude	79^0 05’ 48” E
3	State	Madhya Pradesh
4	District	Damoh
5	Tehsil & Block	Pathariya
6.	River	Sajali river , tributary of Bewas river
7.	Accessibility	At a distance of 15 km from Pathariya Tehsil and 45 Km from Damoh district HQ

- Sajali medium Irrigation Project is proposed at Latitude 23^0 57’ 00”N and Longitude 79^0 05’ 48”E on River Sajali near Kodarmadhi village of Tehsil Pathariya, District Damoh.
- The Project is envisaged to have a live storage capacity of 38.234 MCM.
- Dead storage of the project is 5.644 MCM
- Total CCA of the Project is 9950 ha, benefitting 30 villages of Pathariya tehsil of Damoh District.
- Total cost of the project is Rs.366.002 Crores.

DETAILS OF SUBMERGENCE AREA

Forest Land	:	3.50 Ha
Private Land	:	768.90 Ha
Government Land	:	189.02 Ha
Total	:	961.42 Ha

AREA UNDER SUBMERGENCE (District wise)

SN	Details of submergence	Sagar	Damoh	Total
1	Private land	383.74	385.16	768.90
2	Government land	34.61	154.41	189.02
3	Forest land	0	3.50	3.50
	Total	418.35	543.07	961.42

The case was presented by the PP in 279th SEAC meeting dated 02/07/2016, for issuing of TOR to carryout EIA studies with site specific details. The committee after deliberations decided that following additional TORs along with standard TOR issued by the MoEF&CC:-

1. Details of area under submergence should be discussed in the EIA along with details of incremental benefits associated with this project.
2. PP should indicate the status of FC clearance in EIA report.
3. Present land use of 768.90 ha private land should be discussed in the EIA report.
4. Detailed inventory of villages such as number of houses, villagers, trees, source of water supply, electricity etc along with their current livelihood which are falling in the submergence should be provided in the EIA report.
5. If there is any mining activity in the area, same should be discussed in the EIA report.
6. Cost benefit analysis including environmental factors should be given in the EIA report.
7. Green belt plan and catchment area treatment plan be provided in the EIA report.
8. Inventory of existing trees and their management should be provided in the EIA report.
9. Once the dam is erected, the proposed minimum ecological flow which will be maintained by PP should be detailed out in the EIA report.

PP has submitted the EIA report vide letter dated 05/10/2018 which was forwarded through SEIAA vide letter no. 1614 dated 26/10/2018.

The case was presented by the PP wherein PP informed that due to certain changes in the project has requested for withdrawal of the case vides letter no. 792 dtd 13.12.2018. Committee due to some technical reasons in their end. Committee accepted the PP's request and recommends that case may be delisted on the request of PP.

4. <u>Case No. - 5781/2018 M/s Rewa MSW Holding Limited through Project Manager, Srinivas Nagarjuna Reddy Pulagam, 10, Shilpi Kunj, Saman Naka, Rewa (M.P.) – 486001. Prior Environment Clearance for Regional Integrated Solid Waste Management Project M/s Rewa MSW Holding Limited, Raipur Karchulian Khasra No. – 290, 292, 293, 294, Gram Sagra Khasra No. – 2201, 2202 at Village - Tehsil - Dist. -, (M.P.). Category: 7(i) Common Municipal Solid Waste Management Facility (CMSWMF). Env. Con. – Ramky Enviro Services Private Limited, Hyderabad.</u>

The project is a construction CMSWMF falls under Category 7(i) of Common Municipal Solid Waste Management Facility (CMSWMF) (As per EIA notification dated 14th September 2006 and amended to the date) and involves environmental clearance. EIA forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

PP has submitted the EIA report vide letter dated 25/10/2018 which was forwarded through SEIAA vide letter no. 1655 dated 03/11/2018.

In this meeting PP and their consultant presented the Earthen salient feature of the project area as follows:

Rewa MSW Holding Limited proposes to establish a 'Regional Integrated Solid Waste Management Facility' in an area of 18.35 hectares (45.34 acres) at Pahadiya village, located approximately 9 km from Rewa town. The facility is meant for management of municipal solid waste generated in Rewa town and 27 other surrounding ULBs (Rewa town and 11 other ULBs from Rewa District, 12 ULBs from Satna District and 4 ULBs from Sidhi District). The facility will handle different kinds of waste generated in the whole project area, including residential, commercial, expired/rejected branded products (non-hazardous), institutional, hotels, restaurants, markets, marriage halls, gardens, parks, and non-hazardous industrial waste, construction and demolition waste etc.

It is proposed to establish ISWM Project with the following key components: Waste to Energy Plants – 2 x 6 MW (Phase I: 6 MW and Phase II – 6 MW); Sanitary Landfill – 175 TPD; Compost Plant – 300 TPD; RDF Processing Plant – 500 TPD; Animal Carcass Digester

(Thermal Incinerator) – 200 kg/hr; Construction and Demolition Waste Management Facility – 100 TPD.

The water requirement for operating the proposed ISWM Facility is estimated to be about 200 KLD. However, with inclusion of second 6 MW Waste to Energy Plant in the future, 120 KLD water will be required. Rewa Municipal Corporation would supply water to this facility (or) water requirement would be met through tankers/bore wells. The energy requirement for operating the proposed ISWM Facility is about 18% of the total power generated in the facility. In case of emergency electricity requirement will be met through MPTRANSCO. Sufficient capacity DG Sets (500 KVA) are proposed for power emergency backup.

Waste to energy plants shall be equipped with flue gas treatment system consisting of quencher, scrubber, bag filters, activated carbon system etc. along with a minimum stack height of 30 m shall be provided to comply with the emission standards. Animal carcass incinerator shall be equipped with quencher, high pressure venturi scrubber, wet alkaline scrubber etc. to meet emission standards. Odor control system shall be set up over the compost sheds, which will comprise of ventilation ducts and exhaust fans. In the landfill area, daily cover shall be put in with layer of earth, clay or similar material. Other organic measures include spraying ecosorb (organic and biodegradable chemical) around odor generation areas at regular intervals.

Adequate measures are proposed to be taken up for leachate management. It is estimated that a maximum of 140 KLD of leachate (at full capacity of 700 TPD) will be generated from compost plant, waste to energy plant (at storage area), landfill etc. Since the plant will be designed with a closed windrow, and best practices are followed during landfill operation, minimum quantity of leachate will be generated which either will be circulated to landfill, sprayed on landfill for dust control, use to keep the windrows moist. Any excess leachate that accumulates after following the above mentioned activities will be treated in an exclusive leachate treatment plant, which shall consist of Multiple Effect Evaporator (MEE) with Agitated Thin Film Dryer (ATFD) along with primary treatment and biological treatment followed by Reverse Osmosis units. Wastewater generated from Waste to Energy plant shall be treated in wastewater treatment plant consisting of primary and biological treatment, reverse osmosis units etc. and the treated wastewater shall be utilized for ash quenching and for greenbelt.

It is estimated that it will take up to 18 months for execution of the proposed project (ISWM Facility) with all the facilities proposed. The approximate cost estimate for the proposed facility is about INR 160 Crores, excluding the second 6 MW Waste to Energy Plant. About 100 full time employees and 80 contractual employees will be employed for project operation. About 400 indirect employment will be generated for primary/secondary collection, transportation etc.

The case was presented by the PP and their consultant after presentation, PP was asked to submit response on following issues:

1. Co-ordinates of the area on Khasra map of the site, for demarcate the area because as per the co-ordinates submitted by PP in the report, two co-ordinates are falling in the village.
2. PP should also provide the copy of form-1 submitted to MoEF&CC for obtaining TOR.
3. Commitment from PP that no R&R is involved in this project.
4. Clarification regarding Khasra no. 1496. Is this Khasra is part of the facility or not?
5. Clarification regarding the total area of the project as at some places an area of 18.546 ha is mentioned and at some places area of 18.350ha is mentioned.
6. NOC from competent authority as per TOR point no. 11 as an air strip is in existence within the 20 kms radius of the project.
7. Clarification regarding generation of condensate in MEE and why it is proposed to be treated in ETP.

5. <u>Case No. - 5774/2018 Shri Suresh, CEO, Gwalior Development Authority, Vikas Bhavan, 1 Ravi Nagar Gwalior (M.P.) -474002. Prior Environment Clearance for Commercial Complex "Madhav Plaza" at Khasra No. - 756, Huzarat Road, Lashkar, Gwalior (M.P.). Proposed Area - 2459.33 Sq.mtr. (Existing Capacity – 23658.48 sq.mtr.) Category: 8(a) Building & Construction Project. Env. Con. – Kadam Environmental Consultant Vadodara (Gujrat).</u>

This is case of Prior Environment Clearance for Prior Environment Clearance for "Madhav Plaza" at Khasra No. - 756, Huzarat Road, Lashkar, Gwalior (M.P.). Proposed Area - 2459.33 sq.mtr. (Existing Capacity – 23658.48 sq.mtr.) Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site. The Application was forwarded by SEIAA to SEAC vide letter no. 1584 dtd. 18.10.2018 for appraisal and necessary recommendations.

This case was scheduled in this meeting wherein PP and their consultant were present. During discussion and perusals of the documents it was observed by the committee that the It's a case of Violation.

PP has submitted the EIA report vide letter no. 3537 dated 19/09/2018 which was forwarded through SEIAA vide letter no. 583 dated 12/10/2018.

The EIA was presented by the PP and their consultant. The salient features of the project area as:

About The Project

Commercial Complex Project "Madhav Plaza" located at Huzarat Road, Lashkar, Gwalior, Madhya Pradesh being developed by Gwalior Development Authority, Vikas Bhawan, 1 Ravi Nagar, Gwalior, Madhya Pradesh falls under Building and Construction project (Category 8a) of EIA notification 2006 as amended till date.

Project Cost
There is an investment of approx. INR 85.32 Crores in this project.

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, OM no. J-110131/41/2006-IA-II dated 12.12.2012 and OM dated 27.06.2013.

As of now, a large part of construction work of building is almost completed and only electrical and fitting of AC work in completed part was left. Only a small part of 10% of the building work is remaining to be completed which has been stopped now.

Chronology of the project:

The case was kept on abeyance by SEIAA, MP until clarification received from MoEF, GOI as per policy decision in its 219th, 220th & 352nd SEIAA meeting. Case closed in 417 SEIAA meeting dated 20-03-17 Case closed vide letter no. 23-24/SEIAA/17 dated 01-04-17.

MoEF & CC, GoI issued a recent Notification vide S.O. 804 (E), dated 14.03.2017, for one time opportunity for Violation matters. Therefore, we had submitted our application for getting Environmental Clearance of the project as per EIA Notification dated 14.09.2006 as amended on 14.03.2017.

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.

Project Details

Sr. No	Particulars	Description
	Plot area (m2)	9,305
	Area under road widening (m2)	161.98
	Net Planned area (m2)	9143.02
	Permissible FAR (m2)	16,283.75 (1.75)
	Additional FAR for road widening area	283.46 (1.75)
	Total permissible FAR (m2)	16567.21
	Proposed FAR (m2)	13,631.2 (1.49)
	Permissible Ground coverage (m2)	4,571.5 (50%)
	Proposed Ground coverage (m2)	2923.5 (31.9%)
	Built up area (m2)	26,117.81
	Number of floor	B+G+3
	Number of basement	1
	Total Area of Basement (m2)	5,145
	Total No of shops	587
	Floor-wise area use	Ground, first, second floor- shops Third floor- Office, shops, bank and

		restaurant
Population breakup	Parking arrangement with its breakup	
	Basement parking	147 ECS
	Surface parking	32
	Sanctioned Load (kVA)	3,000
	Proposed capacity of DG set in KVA	2 x 1500
	Total Solid Waste generation	0.4 ton/day
	Total Population	5583 (1993 staff, 3590 visitors)

S. No	Building	Area/Number	Person based on	Population
1.	G.F + F.F + S.F (shops)	587	@ 3 person/shop	1761
2.	Visitors	-	Lump sum	3522
3.	T.F (Office+ bank)	2122.6 sqm	@ 10 SQM/Person	212
4.	Visitors	-	@ 10 % of staff	21
5.	Visitors (Restaurant)	187 sqm	@ 4 sqm/person	47
6.	Security & Maintenance		Lump sum	20
	Total population			5583

Water Supply

During operational phase, total 147 KLD fresh water will be required which will be met from Municipal Corporation, Gwalior.

Waste water Generation and Treatment:

During operation phase, it is estimated that about 117 KLD of waste water will be generated from the project, which will be treated up to primary level by installing course and fine screen, evaporation tank, O&G removal grit chamber and primary settling tank at site.
After primary treatment, 111 KLD waste water will be discharge into main sewer line (after 6 KLD loss through evaporation and sludge) of Municipal Corporation, Gwalior. Further, waste water will be treated in to STP of 60 MLD capacity of Gwalior Municipal Corporation.

The Gwalior Municipal Corporation agreed to provide sewer connection into main sewer line and for further treatment in STP.

Storm Water Management Plan:

Total 45 nos. of harvesting bores along with 12 nos. of Infiltration chambers will be provided.

Solid waste generation/ Disposal:
Solid waste generated in Project area will be 0.4 ton/day and mainly of domestic nature.

Power Requirement:
The power shall be supplied by Madhya Pradesh Madhya Kshetra Vidyut Vitran Company Limited. The sanctioned Load for the project 3000kVA.
Details of the DG sets: There is a provision of DG sets with 2 x 1500 kVA capacities.

Parking Facilities:
147 ECS in basement and 32 ECS on surface will be provided.

Landscaping:
As suggested by the Honorable SEAC, Madhya Pradesh, after site visit on 21.05.2015, we have allocated an area of 3000 m2 (approximate 32.81 % of total plot area of Madhav Plaza) in our land situated at village Shatabdipuram for development of green belt as compensatory Plantation. The area will be developed as green belt by planting 600 local tree species and separate budget of Rs. 10 Lakhs has been allocated for compensatory plantation including fencing and bore well development for watering of landscape.

It is also ensured that creepers on the project site along with other plants will also be planted. At site wall creepers will be planted to cover 540 sqm of wall area.

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.

After presentation and discussions following information was asked to submit by the PP:

1. NOC from DFO.
2. Photographs of site taken during various construction works/activities.
3. Re-assess the cost of remediation plan, and natural community resource augmentation

plan corresponding to the ecological damage assessed and economic benefits derived due to violation as suggested by the committee because in the proposed plan justified details of ecological damages etc are missing.

6. **Case No. - 5782/2018 Mr. Mahmood Ali, Director, M/s Satya Prakash Colonizers, Pvt. Ltd., T-12, 3rd Floor, City Centre, Press Complex, Zone-1, M.P. Nagar, Bhopal, Bagli, (M.P.) – 462011. Prior Environment Clearance for Construction of Proposed Multi Unit Residential Development Project "Nice Space" Khasra No. –243/244/1/1/KH3, 243/244/1/1/KA/2, 243/244/1/1/KH/2, 243/244/1/1/GHA/2, 243/244/1/1/GA/2, 243/244/1/1/DA/2, 243/244/1/1/CHA/2, 243/244/1/2/2, 243/244/1/CHHA/2, 243/244/1/1/KA/3, at Village - Badwai, Tehsil - Huzur & Dist. -Bhopal, (M.P.). Total Project Area = 17,440 sqm. (1.74 Ha. Or 4.309 Acre), Built up Area = 31226.64 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 Proposed Multi Unit Residential Development Project "Nice Space" Khasra No. –243/244/1/1/KH3, 243/244/1/1/KA/2, 243/244/1/KH/2, 243/244/1/1/GHA/2, 243/244/1/1/GA/2, 243/244/1/1/DA/2, 243/244/1/1/CHA/2, 243/244/1/2/2, 243/244/1/CHHA/2, 243/244/1/1/KA/3, at Village - Badwai, Tehsil - Huzur & Dist. -Bhopal, (M.P.). Total Project Area = 17440 sqm. (1.74 Ha. Or 4.309 Acre), Built up Area = 31226.64 sqm). Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

This case was scheduled in this meeting wherein PP and their consultant were present. During discussion and perusals of the documents it was observed by the committee that the It's a case of Violation.

In this meeting the case was presented by PP and their consultants. The salient features of the project are as:

Project Chronology:

The project was earlier appraised in 275th M.P SEAC meeting dated 12 May 2016 where committee decided to refer back this case to SEIAA for credible action as per MoEF& CC dated 12/12/2012 as it was found to be case of violation of the EIA Notification dated 14.09.2006, on account of not securing prior environment clearance before beginning the construction work at site. As per the notification issued by MoEF& CC dated 14.03.2017, the case is to be put up to EAC for appraisal as violation case & grant of Environmental Clearance.

Construction work has already been started prior to submission of application for grant of EC.

Site & Surrounding

Site and Surroundings within 10km from proposed project are as follows:

North: Village Badwai, BishanKheda and ParvaliyaSani are at a distance of 500 m, 2.4 Km and 2 km the site. Bhopal Bypass Road (NH-12) is 3.75 km from the site.

West: Gokuldham colony, Abbas Nagar and Rajiv Gandhi Technical University are about 700 m, 1.5 Km and 2.0 km from the site. Raja Bhoj International Airportis about 5.5 km in North West direction and Central Jail colony about 1.0 km in South west direction from the site.

South: Dwarkadham colony and Hahnemann Homeopathic Medical College are 400 m and 500 m from the site. Sanjeev Nagar, Kamal Nagar and Nariyalkheda are situated at a distance of 1.2 Km, 1.7 Km and 2.5 km from the site. Ayodhya Bypass Road (NH-86) is 600 m from the site

East: Truba Institute of Engineering & IT, Krishak Nagar and Central Institute of Agricultural Engineering is 20 m, 1.5 Km and 2.0 Km from the site. Peoples Campus, village PipliyaBajkhan and Malikhedi are 4.0 Km, 4.5 Km and 6.0 Km from the site.

Current Construction status

Type of units	Units proposed	Units completed	Units Incomplete/Not yet started	Possession Given	Completion Percentage
Flats	432	-	100	-	80%
LIG	26		26		5%

Site Details:

S. No	Items	Details
1.	**Type of Building**	Residential
2.	**Total plot area**	17440 m^2
3.	**Ground Coverage Details**	Permissible (30%) = 5232 m^2 Proposed = 5232 m^2 (30%)
4.	**Open and paved area**	12208 m^2
5.	**Permissible FAR**	Permissible FAR @1.25 = 21800 sqm **Proposed FAR** = 21800 sqm
6.	**Non- FAR details (EWS, LIG, Convenient Shopping, Club House, Services and Stilt parking, Basement and Amenities)**	9426.64 sqm
7.	**Total Built-up area**	**21800 m^2** (As per MPVPR) **31226.64 m^2** including Non-FAR (MoEF)
8.	**Green Area (including services)**	**2860.87 m^2**(16.40 % of plot area)
9.	**Informal Sector** **Commercial Area**	**1092.0 m^2 (6.26%)** **353.8 m^2 (2.03%)**
10.	**Road & Internal circulation**	**7902.2 m^2 (45.3%)**
11.	**No. of Trees**	Total no. of trees required: 1 Tree/ 100 m^2 of Open Area = (Total Planning Area-Ground Coverage)/100 = 12208/100=122 Trees

		Proposed:125 Trees
12.	**No of units to be developed**	No. of multi units : 432 LIG : 26 EWS : 39
13.	**No of Towers**	Residential - 06 towers EWS - 01 tower LIG - 01 tower Commercial - 01 Recreational - 01
14.	**Height of Building**	28 m
15.	**Estimated Population (fixed + floating)**	Multiunit: 2160 (@ 5 person per unit) LIG : 130 (@ 5 person per unit) EWS : 195 (@ 5 person per unit) Floating: 249 (10% of total population) Staff: 124 (5% of total population)
16.	Parking facilities	**Required** – 218 Vehicle spaces Visitors Parking @10% = 22 Vehicle spaces **Total = 240 Vehicle spaces** **Provided:** **Stilt Parking =** 5232 sqm/30 **=**174 Vehicle Space **Basement Parking =** 1540/35 = 44 Vehicle Space

		Open Parking = 22 Vehicle Space **Total Provided Parking =** **240 Vehicle Space**
17.	Power requirement &source	1620 KW (2025 kVA) Source : MPMKVVCL, Bhopal
18.	Power Backup	1 DG sets of 25 kVA for common services
19.	**Water Requirement and Source**	Fresh water: 171 KLD Recycled treated water: 72 KLD Total water: 243 KLD Source: Municipal water supply
20.	**Sewage Treatment and Disposal**	Amount of waste water generated : 206 KLD STP Capacity: 250 KLD (~20% higher capacity) Technology: MBBR
21.	**Solid Waste Generated**	Domestic waste : 1730 kg/day Horticultural waste : 11 kg/day E- waste : 1.02 kg/day
22.	**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 6.0 km from the Bhopal city and 3.75 km from NH-12 (Bhopal Bypass Road) and 600 m from Ayodhya Bypass Road (NH-86). The nearest railway station is Bhopal Junction Railway Station and Habibganj Railway Station which are at an aerial distance of 5.5 km (SE) and 11 km (SE) from the project site respectively. The nearest airport is the Raja Bhoj International Airport, which is about Raja Bhoj International Airport: 5.5 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.

After deliberation, 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.

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, PM2.5, SO_2, NOx & 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. Source 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.

7. Case No. - 5786/2018 M/s Bharat Petroleum Corporation Ltd, Bharat Bhavan, 4 & 6, Currimbhoy Road, Ballard Estate, PB No. 688, Mumbai, (Mah.) - 400001. Prior Environment Clearance for Modernization in already existing Isolated Storage and Handling of Hazardous Chemicals, Land Plot Area -1,09,265 m^2 [10.92 ha. (27 Acres)] at Rairu Pol Depot, Village - Barua, Tehsil - Purani Chawani & Dist. - Gwalior, (M.P.) Cat. - 6(b) Isolated Storage & handling of Hazardous Chemicals.

The project proposal is for Modernization in already existing Isolated Storage and Handling of Hazardous Chemicals, Land Plot Area -1,09,265m2 [10.92 ha. (27 Acres)] at Rairu Pol Depot, Village - Barua, Tehsil - Purani Chawani & Dist. - Gwalior, (M.P.) (Cat. – 6 (b) Isolated Storage Project).

The case was presented by the PP and their consultant for issuing of TOR. The PP has informed that they have started baseline data collection since 1st Oct. 2018 for the period of Oct.- Dec. 2018 as per OM J-11013/41/2006-IA-II(I)(Part) dtd. 29th Aug. 2017.

This is a case of isolated storage and handling of hazardous chemicals facility (Existing Capacity = 24851 KL, Expansion = 00 KL, After Modernization = 24851 KL). The Project is covered as item 6(b) in the schedule of EIA notification as isolated storage and handling of hazardous chemicals (As per threshold planning quantity indicated in column 3 of schedule 2 & 3 of MSIHC Rules 1989 amended 2000) and hence requires prior EC from SEIAA before commencement of any 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.

Salient Features of the Project

The project is in village Barua, Tehsil PuraniChawani, Dist. Gwalior-474010, Madhya Pradesh. The land for the project has been allotted by Land Acquisition Officer, Office of District Magistrate – Land Acquisition Gwaliordtd. 24.07.1991. This area is being utilized for isolated storage on which existing facility is in operation since 1994. The application pertaining to EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. Project proponent and his consultant presented the salient features of the project, PFR, baseline data and the proposed TOR before the committee.

The modernization in existing isolated storage and hazardous chemical (FO, MS, Speed diesel and Speed MS to Biodiesel and Ethanol) facility is in the existing premises and will not change any land use pattern. No manpower will be required for the proposed modernization activity in operation phase. This project is of conversion of storage tanks from MS, Diesel & FO to Ethanol and Biodiesel which is being used to blend with MS (Petrol) and Diesel respectively and this will decrease the contribution of greenhouse gases emission to the environment. Also this will reduce the dependency of petroleum products on international market.

Particular	**Details**
Capacity	Existing : 24851kL Proposed : 00kL Total : 24851kL
Project Cost	Proposed : 4.00 Crores
Cost of EMP	0.04 Crores
Type of Fuel	HSD
Source of Fuel	Captive
Water Requirement	Domestic: 1.650kLD Gardening: 9.014kLD Total: 10.664kLD
Source of Water	Bore well within plant premises
Major Equipment / Utilities	**Storage Tanks**
	D.G.Sets Existing: 1 D.G. set of 125 kVA and 1 D.G. set of capacity 320 kVA. **Fire Water Engine Pumps:** 3 Nos.
Type of Boiler	Not applicable
Pollution Control Equipment's	Acoustic enclosures have been provided to utilities which will be operated only in case of emergency.
Level of particulate matter after	Not applicable

APC	
Total Employment Generation	Existing: 10 Nos. (Direct); 60 Nos. (indirect) No manpower will be required for modernization in operation phase.
Hazardous Waste generation	Used or spent oil: 0.080 ton/annum Oil containing cargo residue, washing water and sludge: 1.90 ton/annum

Environmental Setting of the Project:

S. No.	Particulars	Description
1.	Village	Village Barua, Tehsil PuraniChawani, Dist. Gwalior-474010- Madhya Pradesh.
2.	Latitude Longitude	26°18'31.04"N - 26°18'46.63"N 78° 7'34.26"E - 78° 7'30.60"E
3.	General Ground Level	4.06 - 29 m bgl
4.	Elevation Range	Highest- 197 m, Lowest- 193 m
5.	National Highway and State Highway	AH–43 at 1.56 km in N, NH-92 at 5.17 km in S and AH-47 at 0.63 km in W
6.	Nearest Railway Station	Gwalior at 11.91 km in SE
7.	Nearest Airport	Gwalior Airport, Madhya Pradesh at 9.12 km in E
8.	Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	None in 10 km radius
9.	Nearest Hill/Mountain	None in 10 km radius
10.	Reserved / Protected Forest within 10km radius	None in 10 km Radius
11.	National Park	None in 10 km Radius
12.	Nearest major city with 100000 population within 10km radius	Gwalior City at 8.67 km in SSE
13.	Nearest Town/City within 10km radius	Gwalior City at 8.67 km in SSE
14.	Nearest Villagewith 10km radius	Barua village at 0.70 km in ENE, Rairu village at 0.78 km in SSW
15.	Nearest Rivers	Sonrekha Reservoir at 8.89 km in N
16.	Nearest Nalla/pond/ Lake	JanakTalab at 9.95 km in S SagarTalab at 8.57 km in SE MotiJheelat 6.94 km in S
17.	Mines within 2 km radius	None in 2 km Radius

S. No.	Particulars	Description
18.	Nearest Industry	IOCL Depot abutting in N HPCL Depot at 0.04 km in S
19.	Nearest Historical, religious and other important cultural places	Gwalior Fort at 9.52 km SSE
20.	Sea	None in 10 km radius
21.	Defense Installation	None in 10 km Radius

After presentation committee decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TOR's and as per annexure-D:-

1. Oil and grease analysis shall be carried out by in all GW samples.
2. Copy of PESO approved for proposed modernization project shall be submitted with EIA report.
3. Compilation of earlier EC conditions duly verified by the competent auithority.
4. Details of scarp generated and method of disposal.
5. Disposal plan of sludge handling.
6. Details of any waste lying in the tanks & pipelines which are proposed to be replaced with their disposal plan.
7. All the safety related aspects should be proposed in the EIA report.
8. A detail of emergency rescue plan is to be submitted in the EIA report.
9. Workers health survey report is to be submitted in the EIA report.
10. Site specific risk assessment study should be carried out and same should be submitted with EIA report with disaster management plan and resique details.
11. Detailed green belt plan with area, name of species and their number should be provided along with the inventory of existing trees in EIA report.
12. Tree failing is also proposed PP should submit the details of area with number of tree, species and permission from the competent authority.
13. Any other area marked for further expansion in this proposed unit should be detailed out on a layout map and submitted with EIA report.
14. Detailed fire fighting arrangements proposed should be discussed in the EIA report.
15. If there is any sensitive area within 05 kms radius of the proposed project site, the proposed safety measures in case of any accident should be discussed in the EIA report.
16. Input and output of modeling data should be annexed with the EIA report.
17. Details of all construction material related to this expansion project should be submitted with the EIA report.

18. Detailed parking facilities wrt to existing capacity and expanded facility should be provided within the facility boundary and detailed traffic management plan should be discussed in the EIA report as no parking will be permitted outside the plant premises.
19. Cost benefit analysis should be carried out and discussed in the EIA report.
20. 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.
21. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
22. 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.
23. 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.
24. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
25. Pre-dominant wind direction to be ascertained and accordingly the Safety & Environment Management Plans prepared and reported.
26. Details of Environmental Cell & CSR committee.
27. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.

8. <u>Case No. - 5787/2018 M/s Bharat Petroleum Corporation Ltd, BPCL Bakania POL Depot, Village - Bhouri Near Indore Bhopal Bypass, Bakania, Dist.- Bhopal, (M.P.) - 462030. Prior Environment Clearance for Expansion in already existing Isolated Storage and Handling of Hazardous Chemicals facility (Existing Capacity = 13,608.800 KL, Expansion = 1716 KL, After Expansion = 15324.8 KL) Area for Osolated Storage-93077.69m2 (9.308 Ha.) (23.00 Acres) at Bakania POL Depot, Village - Bhauri, Tehsil - Huzur & Dist. - Bhopal, (M.P.) Cat. - 6(b) Isolated Storage & handling of Hazardous Chemicals.</u>

The project proposal is for Expansion in already existing Isolated Storage and Handling of Hazardous Chemicals facility (Existing Capacity = 13608.800 KL, Expansion = 1716 KL, After Expansion = 15324.8 KL) Area for Osolated Storage-93077.69m2 (9.308 Ha.) (23.00 Acres) at Bakania POL Depot, Village - Bhauri, Tehsil - Huzur & Dist. - Bhopal, (M.P.) Cat. – 6(b) Isolated Storage Project.

The case was presented by the PP and their consultant for issuing of TOR.

Salient Features of the Project

This is a case of isolated storage and handling of hazardous chemicals facility (Existing Capacity = 13608.800 KL, Expansion = 1716 KL, After Expansion = 15324.8 KL). The Project is covered as item 6(b) in the schedule of EIA notification as isolated storage and handling of hazardous chemicals (As per threshold planning quantity indicated in column 3 of schedule 2 & 3 of MSIHC Rules 1989 amended 2000) and hence requires prior EC from SEIAA before commencement of any activity at site. The project is in village-Bhouri&Bakania, Tehsil – Huzur, Near Indore Bhopal Bypass, Bhopal-462030, Madhya Pradesh. The land for the project has been allotted by Land Acquisition Officer, Office of District Magistrate – Land Acquisition dtd 20.11.1990. This area is utilized for isolated storage on which existing facility is in operation since 1994.

The proposed expansion in the capacity of isolated storage and hazardous chemical (Ethanol & Biodiesel) facility is in the existing premises and will not change any land use pattern. Only two people will be required in expansion (operation) phase. This project is of storage of Ethanol and Biodiesel which is being used to blend with MS and Diesel respectively and this will decrease the contribution of greenhouse gases emission to the environment. Also this will reduce the dependency of petroleum products on international market.

Particular	**Details**
Capacity	Existing : 13608.80 kL Proposed : 1716.00 kL Total : 15324.80 kL
Project Cost	Proposed : 6.00 Crores ; Existing : 44.29 Crores
Cost of EMP	0.30 Crores
Type of Fuel	HSD
Source of Fuel	Captive
Water Requirement	Domestic: 4.30 kLD Gardening: 13.30 kLD Total: 17.60 kLD
Source of water	Bore well within plant premises
Major Equipment / Utilities	**Storage Tanks**
	D.G.Sets Existing : 1 No. of 65 kVA and 2 Nos. of 125 kVA. Proposed : 1 No of 300 kVA **Fire Water Engine Pumps:** 3 Nos.
Type of Boiler	Not applicable
Pollution Control Equipment's	6 m Stack height has been provided and utilities will be operated only in case of emergency.

Level of particulate matter after APC	Not applicable
Total Employment Generation	Existing: 43 Nos. Proposed : 02 Nos.
Hazardous Waste generation	Used or spent oil: 0.150 ton/annum Water or residues containing oil: 0.005 ton/annum Sludge and filters contaminated with oil: 10.00 ton/annum

Environmental Setting of the Project:

S. No.	Particulars	Description
1.	Village	Bakania, Bhouri, Near Indore Bhopal Bypass, Tehsil-Huzur& Dist. Bhopal (MP).
2.	Latitude Longitude	23°15'51.98"N - 23°16'0.05"N 77°16'3.78"E - 77°16'16.95"E
3.	General Ground Level	5.15-18.4 m bgl
4.	Elevation Range	Highest- 520 m, Lowest- 517 m
5.	National Highway and State Highway	SH–18 (@ 1.62 kms in S) and NH-12 (@ 7.27 km in N)
6.	Nearest Railway Station	Bhopal at 14.59 km in E
7.	Nearest Airport	Raja Bhoj International Airport, Bhopal at 7.23 km in NEE
8.	Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	None in 10 km radius
9.	Nearest Hill/Mountain	None in 10 km radius
10.	Reserved / Protected Forest within 10km radius	None in 10 km Radius
11.	National Park	Van Vihar National Park Bhopal at 9.38 km in SE
12.	Nearest major city with 100000 population within 10km radius	Bhopal City at 7 km in E
13.	Nearest Town/City within 10km radius	Bhopal City at 7 km in E
14.	Nearest Villagewith 10km radius	Bhauri village at 1.5 km in N, Bakania village at 2.35 km in W
15.	Nearest Rivers	Kolas River at 3.70 km in S Prabhati River at 9.0 km in NW Halai River at 9.10 km in NE
16.	Nearest Nalla/pond/ Lake	Upper lake area near Lalghati at 7.14 km in EES
17.	Mines within 2 km radius	None in 2 km Radius
18.	Nearest Industry	Reliance Petroleum depot at 0.41 km in N IOCL Bottling plant at 0.62 km in SWW
19.	Nearest Historical, religious and other important cultural places	None in 10 km Radius
20.	Sea	None in 10 km radius

S. No.	Particulars	Description
21.	Defense Installation	None in 10 km Radius

After presentation committee decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TOR's and as per annexure-D:-

1. Oil and grease analysis shall be carried out by in all GW samples.
2. Copy of PESO approved for proposed modernization project shall be submitted with EIA report.
3. Compilation of earlier EC conditions duly verified by the competent auithority.
4. Details of scarp generated and method of disposal.
5. Disposal plan of sludge handling.
6. Details of any waste lying in the tanks & pipelines which are proposed to be replaced with their disposal plan.
7. All the safety related aspects should be proposed in the EIA report.
8. A detail of emergency rescue plan is to be submitted in the EIA report.
9. Workers health survey report is to be submitted in the EIA report.
10. Site specific risk assessment study should be carried out and same should be submitted with EIA report with disaster management plan and resique details.
11. Detailed green belt plan with area, name of species and their number should be provided along with the inventory of existing trees in EIA report.
12. Tree failing is also proposed PP should submit the details of area with number of tree, species and permission from the competent authority.
13. Any other area marked for further expansion in this proposed unit should be detailed out on a layout map and submitted with EIA report.
14. Detailed fire fighting arrangements proposed should be discussed in the EIA report.
15. If there is any sensitive area within 05 kms radius of the proposed project site, the proposed safety measures in case of any accident should be discussed in the EIA report.
16. Input and output of modeling data should be annexed with the EIA report.
17. Details of all construction material related to this expansion project should be submitted with the EIA report.
18. Detailed parking facilities wrt to existing capacity and expanded facility should be provided within the facility boundary and detailed traffic management plan should be discussed in the EIA report as no parking will be permitted outside the plant premises.
19. Cost benefit analysis should be carried out and discussed in the EIA report.
20. 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.

21. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
22. 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.
23. 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.
24. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
25. Pre-dominant wind direction to be ascertained and accordingly the Safety & Environment Management Plans prepared and reported.
26. Details of Environmental Cell & CSR committee.
27. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.

9. Case No. - 5788/2018 Shri Dinesh Devendra Agrawal, Khasra No. 274, Village - Sonegaon, Tehsil - Tirodi, Dist. Balaghat, MP Prior Environment Clearance for Modernization of Manganese Mine in an area of 4.99 Ha. (4961 tonne per annum of Mn + 2126 tonne per annum of rejects + 4687 tonne per annum of Waste) (Khasra No. 274) at Village- Sonegaon, Tehsil - Tirodi, Dist. Balaghat (MP)

This is case of Modernization of Manganese Mine in an area of 4.99 Ha. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra No. 274) at Village- Sonegaon, Tehsil - Tirodi, Dist. Balaghat (MP) The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultant. It being a case of major mineral, after presentation, committee decided to recommend standard TOR prescribed by MoEF&CC with following additional TOR's and as per annexure-D:

- Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
- If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
- Top soil management plan.
- Land use plan should be plotted on the map.

- Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
- Hydro geological studies should be carried out and be discussed in the EIA report.
- DFO Certificate to be submitted by PP along with EIA report

10. Case No. - 5771/2018 M/s Fortune Builders, Partner Shri Sameer Gupta, Fortune House 157, Zone-1, MP Nagar Bhopal (M.P.) 462011. Prior Environment Clearance for "Fortune Divine City" in an area of 23633.66 m2 Built-up area 34730.65 m2, at Khasra No. - 260/1/1/1/GHA, 257/3, at Village - Misrod, Tehsil - Huzur, District - Bhopal (M.P.). 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 "Fortune Divine City" in an area of 23633.66 m2 Built-up area 34730.65 m2, at Khasra No. - 260/1/1/1/GHA, 257/3, at Village - Misrod, Tehsil - Huzur, District - Bhopal (M.P.). Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

This case was scheduled in this meeting wherein PP and their consultant were present. During discussion and perusals of the documents it was observed by the committee that the It's a case of Violation.

The case was presented by the PP and their consultant. The salient features of the project are as:

Project Chronology:

The application for grant of environment clearance was submitted to MPSEAC on 29/12/2014. Project was appraised in 172th, 182nd& 255th SEAC meeting dtd. 22 Feb 2015, 28.03.2015 & 02.01.2016, respectively. During appraisal it was admitted by project proponent that construction work at the site has already been initiated without securing the prior Environment Clearance from MPSEIAA. After deliberations, committee decided to visit the project site for physical verification of construction status. Two members subcommittee visited the site on 17/01/16 and submitted the report to SEAC along with a response for the queries raised during site visit in the form of affidavit. Case was appraised again in 277th meeting dtd 31/05/2016. During deliberations over inspection report, committee observed that PP has shown positive intent for compliance of environmental norms. The committee found compliances satisfactory and recommended the project to SEIAA for grant of EC subject to the special conditions. At

MPSEIAA the case was kept in abeyance in absence of clear cut directions from MoEF& CC for violation cases. Further the case was delisted in the light of recent notification issued by MoEF& CC dtd 14.03.2017, which provides the guidelines to deal with violation cases at EAC, MoEF& CC, New Delhi. Taking reference from the above said notification dtd 14.03.2017; we have submitted the application under violation category for the grant of Environment Clearance at EAC, MoEF& CC.

Now PP again applying in State Expert Appraisal Committee as per notification dated 8 March 2018 in which it has been directed that all "Category B" project will be appraised at SEAC.

Construction Status: The project is a case of violation on account of not securing prior environment clearance before starting the construction activities at site. The construction work was started at site before the application was submitted to MPSEIAA for grant of prior environmental clearance.

Current Construction Status of the project

Type of units	Units proposed	Units completed	Possession Given	Units Incomplete/Not ye started	Completion Percentage
Flats	506	506	450	-	96%
Commercial	17 shops	-	-	17	

Site &Surrounding:

Site and Surroundings within 10 km from proposed project is as follows:

North: Van Vihar National Park is 12.5 km (NW) from the site, Sagarpani lake is 9 km. Bhaba Engineering Research Institute is 1.25 km (N) while Barkatullah University is 4 km. AIIMS Bhopal is 5 km from the site, L.N. Medical College and research centre is 5.0 Km (NW) and Kastoorba hospital is 7.5 Km (N). Misrod Railway is 1.5 km (NW), Habibganj Railway Station is 7 km and Bhopal Junction Railway is 13 km. Village Jatkhedi is 1.5 km (NE), Village Katara is 3 km (NE) and Village Rapadia is 3.5 km (NE). Shahpuralake is 7 km from the site.

West: Kaliasot River is 3.5 km. Kaliyasot Dam is 8 km from the site.

South: NH-12 (Hoshangabad Road) lies South west of project site at a distance of 180 m and provides frequent connectivity. Bhojpur Road lies at about 2km away. Mandideep Railway Station is 9 km (SE),VillageMaksi, Bhairopur, and Ratanpur are situated nearby the site.
East: Bhopal Bypass road is 4 km far from the project site. Bhabha group of institute and RKDF Group of Institute are located near the proposed site. Several builder sites are located near Jatkhedi village. Village Bagli is 1.5 km. and Village Maksi is 2.5 km (E)

Site Details: Table: Site Details

S. No	Items	Details
1.	Type of Building	Residential
2.	**Total Plot Area**	23633.66 m^2
3.	Total Ground Coverage	**Permissible Ground Coverage**= 30% of 23633.66 m^2 = 7090.098 m^2 Proposed ground coverage Residential=5216.82m^2 Convenient shops= 554 m^2 **Total proposed= 5770.82 m^2 (24.42%)**
4.	FAR	Permissible FAR = 29542.07 m^2 (1.25) Proposed FAR = 29542.07 m^2
5.	Total (Non- FAR area)	Stilt Area: 5188.58 m^2
6.	**Built up area**	34730.65 m^2
7.	Open Area	Open Parking: 3076 m^2 Open for services: 231 m^2 Road and internal circulation space - 10,005.84 m^2 **Total open area: 13,312.84 m^2**
8.	Landscape	3545 m^2 (15%)
9.	No. of Trees	Total no. of trees required: 1 Tree/ 80 m^2 of Open Area = (Total Planning Area-Ground Coverage)/80 = 17862.84/100=178.6 = 223Trees **Proposed: 820 Trees (Already planted)**
10.	Number of floors & basements	(S+6) Floors,

11.	Parking facilities	**Required** As per MoEF regulations: 295 ECS (@100 m^2 of FAR/ ECS) (29542/100 = 295) 10 % visitors parking = 30 **Total Parking Required = 325 ECS** **Parking Provided** **Stilt Parking:** @ 30 m^2 per ECS= 5188.58/30 = 172 **Open Parking:** @ 25m^2 per ECS =4200/25 = 168 **Total parking Provided = 340ECS**
12.	Power requirement & source	2250 KVA Source : Madhya Pradesh KshetraVidyutVitran Company Ltd.
13.	**Power Backup**	1 DG sets of 82.5 kVA
14.	**Water Requirement and Source**	**Total water requirement: 244 KLD** (Fresh water: 170 KLD, Recycled water: 74 KLD) **Source: Ground water**
15.	**Estimated Population (fixed + floating)**	Residential: 2530 Visitors: 200 Staffs: 125(Residential + shops)
16.	No. of Blocks	The proposed project has 10 block types (A-J)
17.	Number of floors	(S+5, G+3, G+2) Floors
18.	Maximum Height	Approx. 20 m
19.	Dwelling units	506
20.	**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 180 m from NH-12 (Hoshangabad Road) and Bhojpur Road is 2 km (SE) from project site. The nearest railway station is Misrod Railway, Habibganj Railway and Mandideep Railway Stations which are at an aerial distance of 1.5 km (NW) and 7 km (N) and 9 Km (S) repectively whereas Bhopal junction is 13 km from the project site. The nearest airport is the Raja Bhoj International Airport, which is about 19 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.

After deliberation, 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.

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, PM2.5, SO_2, NOx & 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. Source 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.

11. 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 - Bhairopur, 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 - Bhairopur, 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 this meeting wherein PP and their consultant were present. During discussion and perusals of the documents it was observed by the committee that the It's a case of Violation.

Project Chronology:

The application for grant of environment clearance was submitted to MPSEAC on 29/12/2014. Project was appraised in 172th, 182nd& 255th SEAC meeting dtd. 22 Feb

2015,28.03.2015 & 02.01.2016, respectively. During appraisal it was admitted by project proponent that construction work at the site has already been initiated without securing the prior Environment Clearance form MPSEIAA. After deliberations, committee decided to visit the project site for physical verification of construction status. Two members subcommittee visited the site on 17/01/16 and submitted the report to SEAC along with a response for the queries raised during site visit in the form of affidavit. Case was appraised again in 277th meeting dtd 31/05/2016. During deliberations over inspection report, committee observed that PP has shown positive intent for compliance of environmental norms. The committee found compliances satisfactory and recommended the project to SEIAA for grant of EC subject to the special conditions. At MPSEIAA the case was kept in abeyance in absence of clear cut directions from MoEF & CC for violation cases. Further the case was delisted in the light of recent notification issued by MoEF & CC dtd 14.03.2017, which provides the guidelines to deal with violation cases at EAC, MoEF & CC, New Delhi. Taking reference from the above said notification dated 14.03.2017; we have submitted the application under violation category for the grant of Environment Clearance at EAC, MoEF & CC.

Now we are again applying in State Expert Appraisal Committee as per notification dated 8 March 2018 in which it has been directed that all "Category B" project will be appraised at SEAC.

Construction Status:

The project is a case of violation on account of not securing prior environment clearance before starting the construction activities at site. The construction work was started at site and approximately 75 -80% of construction work was completed before the application was submitted to MPSEIAA for grant of prior environmental clearance.

Site Location & Surroundings

Proposed Group Housing Project "Fortune Soumya Heritage" having an area of **43,981.27 m^2** at Khasra No.99/2, 122, 123, 132, 133, 134, 135/2, 136 to 162 village Bhairopur, Tehsil Huzur, District- Bhopal, Madhya Pradesh, India.

Site and Surroundings within 10 km from proposed project is as follows:

North: Van Vihar National Park is 13.5 km (NW) from the site. Barkatullah University is 6.5km. AIIMS Bhopal is 6.5 km from the site. Habibganj Railway Station is 9 km, Bhopal Junction Railway is 14.5 km. Raja Bhoj International Airport is 20.5 km.

West: Kaliasot River is 3 km. Kaliyasot Dam is 9 km, Kerwa dam is 11 km and Shahpura lake is 8 km from the site.

South: Mandi deep railway station is 6.5 km, NH- 12 is located 1 km south of the project site. Master plan ring road is 780 m (s).

East: 24 m road connecting to Bhopal bypass road is situated at 400 m distance. IPER is 2 km, British park is 2 km

Site Details: Table: Site Details

Items	Details
Total Plot area	43981.27 m^2
Area of land under 24 m wide road	233.67 m^2
Area of land under 18 m wide road	645.95 sqm
Net Plot Area	**43101.65 m^2** Total Area under Duplex development- 19,842.6 m^2 (Phase I) Area under multiunit development- 23,259.05 m^2 (Phase II)
Ground Coverage	**Ground Coverage for Plottable 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 m^2 (26.65%)** **For Informal Sector** Ground Coverage = 242.45 m^2 **Total Ground Coverage**= 18048.65 m^2

Items	Details
FAR	**For Duplex Development** Proposed FAR = 14509.5 m^2 **For Multiunit Development** Proposed FAR= 37,670 m^2 **Proposed FAR = 52179.5 m^2**
Total (Non- FAR area)	Stilt Area: 6312 m^2 Other Services: 431 m^2 Informal Sector = 969.8 m^2 **Total: 7712.8 m^2**
Built up area	**59,892.3 m^2**
Road and internal circulation space	18157 m^2 (42%)
Landscape	6896 m^2 (16%)
No. of Units	No. of Plots – 132 No. of units in multi dwelling unit – 642 Informal Sector - 40
Maximum Height	Approx 18 m (S+6)
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 repectively. The nearest airport is the Raja

Items	Details
	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.

After deliberation, 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.

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, PM2.5, SO_2, NOx & 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. Source 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.

12. Case No. - 5791/2018 M/s Fortune Soumya Housing, Fortune Soumya Santosa, Bagli Behind C-21 Mall, Bhopal, (M.P.). Prior Environment Clearance for Construction of Proposed Residential Development Fortune Soumya Santosa on part of Khasra No. 35, 40, 48, 49, P.H. No. 25, (Total Land Area = 62,873.23 sqm., Proposed Scheme Area = 61,607.01 sqm, Net Planning Area = 60914.87 sqm, Total Built-up Area = 42856.47 sqm) at Village - Bagli, Tehsil - Huzur & Dist. - Bhopal (M.P.). Category: 8(a) Building & Construction Project. Env. Con. – ENV DAS India Pvt. Ltd., Lucknow (U.P.).

This is case of Prior Environment Clearance for Construction of Proposed Residential Development Fortune Soumya Santosa on part of Khasra No. 35, 40, 48, 49, P.H. No. 25, (Total Land Area = 62,873.23 sqm., Proposed Scheme Area = 61607.01 sqm, Net Planning Area = 60914.87 sqm, Total Built-up Area = 42,856.47 sqm) at Village - Bagli, Tehsil - Huzur & Dist. - Bhopal (M.P.). Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

This case was scheduled in this meeting wherein PP and their consultant presented the salient features of the project:

The proposed residential project **"Fortune Soumya Santosa"** is located at village Bagli, Tehsil Huzur, District Bhopal, Madhya Pradesh and spreads over **60,914.87** m^2, and the land use is residential as per Master Plan 2005 of Bhopal.
Environment Clearance was issued vide letter no. 8179/SEIAA/2015 dated 26/11/2015. Due to change in layout plan we are applying for revised EC.
The proposed site has already been in possession of the project proponent. Site is open land and does not involve activities of any type. It is anticipated that the construction activities of the proposed project would not have an adverse effect on the land use. The development of the green belt and other landscape would enhance the visual aesthetics of the area.

Site and Surroundings within 10 km from proposed project are as follows:

North: Van Vihar National Park is 13 km (NW) from the site. MANIT is 9 km. Habibganj Railway Station is 7.5 km, Bhopal Junction Railway station is 13.5 km. Shahpura Lake is 7.5 km, Bhabha Engineering Research Institute is 1.5 km. Raja Bhoj International Airport: 20 km

West: Kerwa dam is 12 km and Kaliyasotriver is 5 km from site, Misrod Railway Station is 3 km. Barkatullah University is 5 km, Kolar road is approx 7.5 km far from the project site
South: International Public School is located at a distance of 2.5 km. Mostly occupied by residential colonies.

East: NH-12 and Bhojpur road are 2 km from the site. It is mostly occupied by semi urban stretch. Rapadiya, Bagarauda, Semari Khurd and many other villages are located east of the proposed site.

Particulars	Details
Location	Construction of Proposed Residential Development Fortune Soumya Santosa on Part of Khasra No. 35,40, 48, 49, P.H. NO: 25, Village Bagli, Tehsil Huzur, District Bhopal, Madhya Pradesh, India.
Type of Project	Building and large construction project
Category	B, Type- 8(a)
Elevation (m)	458 m above mean sea level
Latitude and Longitude	SE Corner - 23° 9'55.32"N; 77°29'22.31"E

(mentioned in Fig 1)	SW Corner - 23° 9'57.18"N; 77°29'11.89"E NE Corner - 23°10'6.82"N; 77°29'22.54"E NW Corner - 23°10'4.64"N; 77°29'17.22"E
Current status of land	Residential Landuse as per BDA Master Plan, 2005
Type of facilities	Housing with basic amenities Convenient shops EWS & LIG Club Swimming pool
Nearest Highway	Bhojpur road (NH-12) (E)
Nearest railway station	Misrod Railway is 3 km (W) Habibganj Railway Station is 7.5 km (NW)
Nearest airport	Raja Bhoj International Airport, Bhopal – 20 km (NW)
Protected areas as per Wildlife Protection Act, 1972 (Tiger reserve, Elephant reserve, Biospheres, National parks, Wildlife sanctuaries, community reserves and conservation reserves)	Van Vihar National Park is 13 km (NW)
Rivers/Lakes	Kaliasot River – 5 Km (W), Shahpura lake – 7.5 km (NW)
Seismic zone	Seismic Zone-II as per BIS 2002 map.
Defense installations	---

Ground Coverage	**Total Permissible Ground Coverage :17009 m^2** Proposed Ground Coverage for plotted development(50% of 30804.57 m^2) = 15402.285 m^2 (A) Proposed Ground Coverage for Commercial area (60% of

	1905.03 m^2) = 1143.018 m^2 (B) Proposed Ground Coverage for Informal sector (EWS&LIG) (30% of 1544.75 m^2) = 463.425 m^2 (C) Total (A+B+C) = **17008.72 m^2** **Total proposed ground coverage = 17008.72 m^2**
FAR	**Permissible: 60914.87sqm x 1.25 = 76143.58 sqm** (Proposed FAR for Housing = 1.25 x 30804.57 = 38505.71 sqm (A) FAR For Commercial Shops= 1x1202.11=1202.11(B) FAR For Club = 1.25 x 702.95 = 878.65(C) Total (A + B + C) = 40586.47sqm **Proposed FAR: 40586.47 sqm**
Total (Non- FAR area)	2270 m^2
Total Built up area	FAR+ Non-FAR 40586.47 m^2 +2270 m^2 **= 42856.47 m^2**
Total open area	43906.15m^2
Green Area	7569.46 m^2+ 7701.14 m^2 (25% of plotted area) = **15270.6025** (Including Common and Individual Green area)
No. of Trees (Required-80 trees /m^2 of open area)	Required: 549 Trees Proposed: 550 Trees
Total Dwelling Units Total no. of EWS/LIG	Residential: 321 no. EWS-30 no. LIG-20 no. **Total: 371 no.**

Total no. of shops	8
Estimated Population	Residential – 321 (@5 persons per unit) =1605 EWS- 50 (@5 persons per unit) =250 **Total Population =1855 persons** Visitors – 160 Staff(including shop) -100
Parking facilities	Individual Parking will be provided for row houses. Stilt/Surface parking (including two wheeler parking) will be provided for EWS/LIG.
Power requirement & source	1200 kVA Source : Madhya Pradesh KshetraVidyutVitran Company Limited
Power Backup	1 DG sets of 125 kVA for common facilities
Water Requirement and Source	Fresh Water Demand : 130 KLD Recycled Water: 119 KLD Total Water Demand : 249KLD **Source:** Ground Water till the municipal supply is available
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 2 km West of Bhojpur Road. The nearest railway station is Misrod Railway and Habibganj Railway Station which are at an aerial distance of 3 km (W) and 7.5 km (NW) from the project site respectively. The nearest airport is the Raja Bhoj International Airport, which is about 20 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. The project complex will have traffic entry/exit from 12 m wide road.

Comparative area statement

Items	As per EC issued vide letter no. 8179/SEIAA/2015 dated 26/11/2015		New Proposal	
Total Plot area	62,873.23 sqm		62,873.23 sqm	
Net Planning area	60,914.87 sqm		60,914.87 sqm	
Plottable Area Roads Open and Services Convenient Shops Sports and Common Activities EWS	**36626.23 sqmt** 14738.7 sqmt 7177.17 sqmt 182.91 sqmt 1093.4 sqmt 1096.46 sqmt	60.1 % 24.2 % 11.8 % 0.3 % 1.8 % 1.8 %	**30804.57 sqmt** 19091.06 sqmt 7569.46 sqmt 1202.11 sqmt 702.92 sqmt 1544.75 sqmt	50.57% 31.34% 12.43% 1.97% 1.15% 2.54%
Total FAR Proposed	47741 sqm		40586.47 sqm	
Ground Coverage Proposed	18,776 m^2		17008.72 m^2	
Parking	Individual parking will be provided		Individual parking will be provided	
Built-up Area	47741 m^2		42856.47 m^2	
Proposed Landscape Area	13898.8 sqm (22.8%)		15270.60 sqm (25%)	
No. of Trees proposed	315Trees		550 Trees	
Total Water Requirement **Fresh Water Demand** **Recycled Water** **STP Capacity**	**216KLD** 100KLD 116KLD 160KLD		**249 KLD** 130 KLD 119 KLD 200 KLD	
Solid Waste Generation	511 kg/Day		981kg/day	
Total Dwelling Units	Residential-140 EWS-55		Residential-321 EWS-50	
Total Population	Residential –140 (@5 person per unit)=700 EWS-55(@5 person per unit) =275 **Total Population=975 persons** Visitors – 100 Staff(including shops) -50		Residential – 321 (@5 persons per unit) =1605 EWS-50(@5 persons per unit) =250 **Total Population =1855 persons** Visitors – 160 Staff(including shops) -100	

The EMP and other submissions made by PP were found satisfactory and acceptable to the committee for grant of EC but the recommendations were kept in abeyance considering the recent notification issued by MoEF&CC, New Delhi vide SO 5736 (E) dated 15/11/2018.

13. Case No. - 5763/2018 Shri Neeraj Kumar Jain, Sawarkar Ward, Nai Basti District Katni (MP)-483501 Prior Environment Clearance for Laterite & Ocher mine in an area of 15.00 ha, for production capacity of Total Laterite 1,20,000 Ton and Total Ocher 20,013 Ton at Khasra No. 339/543 at Village Budhanwara, Tehsil Bahoribandh District Katni (MP)

This is case of Laterite & Ocher mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 339/543 at Village Budhanwara, Tehsil Bahoribandh District Katni (M.P.). 15.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Deputy Director, Collector Office, Distt. Katni vide letter No. 2897 dated: 17/07/2018 that there are 02 more mines within 500 mts. Out of two (02), 01 mine is functional and another mine is non working. Total area including this mine 15.00 + 4.96 = 19.96 ha. are falling within the cluster criteria.

This is a Budhanwara mines of Laterite & Ochre mineral and this is case of expansion the production capacity is increases from 20,013 tonne/year to 1,20,000 Tonne/year . The committee after presentation decided that on the basis of above submission, PP should submit a comprehensive EMP through QCI/NABET **accredited** consultant addressing following issues:-

a. Compliance of earlier EC conditions through competent authority.
b. One month monitoring should be carried out for air, water, GW and noise pollutants.
c. EMP should be supplemented by the recent photographs of the site.
d. Inventory of existing trees with their number and species on the lease and detailed plan if any existing tree is to be uprooted for the mining.
e. Details of proposed blasting and safety measures should be discussed in the EMP.
f. Dimensions of evacuation road and traffic density should be discussed in the EMP considering the load of neighboring mines.
g. Management and disposal plan of OB.
h. Management and disposal plan of mine water.
i. Existing scenario of site should be discussed in the EMP in detail.
j. EMP should be supplemented by the recent photographs of the site.

14. Case No. 5764/2018 Shri Virendra Singh Patel, Village Chilachond, Tehsil Narsinghpur, District Narsinghpur (MP)-487001 Prior Environment Clearance for Fireclay Mine in an area of 7.4111 ha. for production capacity of 10,485 TPA at Khasra No. 483/1 Village Chilachond, Tehsil Narsinghpur, District Narsinghpur (MP)

This is case of Fireclay Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 483/1 Village Chilachond, Tehsil Narsinghpur, District Narsinghpur (MP) 7.4111 ha. The project requires prior EC before commencement of any activity at site.

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

In this meeting the case was presented by PP and their consultant after presentation PP was asked to submit following information:

- Revised Form -1 with includes all the sensitive features around the mine in chaptor-9 "Environmental Sensitivity".
- Information of the other lease's within 500 meters radius around the mine in the prescribed format duly verified by competent authority.

15. Case No. - 5744/2018 M/s Star Mines & Minerals, Shri Hemand Kumar Sharma, H.No. 2, Single Story, SBI Colony, Baldeobagh, Dist. Jabalpur, MP – 482002 Prior Environment Clearance for Basalt/Gitti Stone Mine in an area of 15.0 Ha. (42,475 cum per annum) (Khasra No. 01) at Village- Indrana, Tehsil - Majhauli, Dist. Jabalpur (MP)

This is case of Basalt/Gitti Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 01) at Village- Indrana, Tehsil - Majhauli, Dist. Jabalpur (MP) 15.0 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office (Ekal Praman Patra) vide letter no.2878 dated: 22/06/2018

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

Earlier this case was scheduled for the presentation in 330th SEAC meeting dated 24/10/2018 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 after hearing from PP.

In this meeting the case was presented by PP and their consultant after presentation PP was asked to submit following information:

- In the google map it has observed that a village road is passing in the northern – eastern side of the lease hence, revised production plan with considering 50 meter set-back and 7.5 meter barrier zone.
- Revised water balance as suggested by the committee.
- Revised plantation species as suggested by the committee.
- Revised EMP & CSR as suggested by committee.

PP has submitted the response of above quarries vide letter dated 29.10.2018 which was placed before the committee and the same found satisfactory. The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 42,475 cum/annum.
2. The lease area should be clearly distinguished and permanent earmarked at the site.
3. Thick plantation shall be carryout all along the lease boundary.
4. Six monthly occupational health survey shall be carryout
5. PP should explore possibility of using solar lights in office /rest areas.
6. Overhead sprinklers arrangements should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road.
7. No overcharging during blasting to avoid vibration.
8. Muffle blasting shall be carried out.

9. A village road is passing in the northern –eastern side of the lease hence 50 meter set-back shall be left as non mining area excluding 7.5 meter barrier zone.
10. No explosive will be stored at mine site.
11. Kachha road from mine site to the highway shall be made pakka and maintained by PP.
12. No dump shall be stacked outside the lease area.
13. Top soil shall be simultaneously used for the plantation.
14. A budgetary provision for Environmental management Plan of Rs. 12.73 lacks and under CSR Rs. 5.0 lacks/year is proposed for various activities. 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.

DISCUSSION BASED ON QUERY REPLY SUBMITTED BY PP

16. Case No. – 5767/2018 M/s Nishit Chemicals, Shri Girish Khandelwal, Plot No. 51/2/1, 52/1/1, Village Kajipalasia, Nemawar Main Road Indore (M.P.)-452003. Prior Environment Clearance for Synthetic Organic Chemicals Industry, Production Capacity of LABSA (90%) 500 MTMP, Spent Sulhuric Acid (Dil. Acid Slurry, 70-80 %) - 495 MTPM & Detergent Soap Liquid 25 MTPM., Land Area – 6310 sq.mtr., at Village - Kajipalasia, Tehsil -Indore, District - Indore (M.P.).Category - 5(f) Project Synthetic Organic Chemicals Industry (dyes & dye intermediates; bulk drug). FoR – "B2" Cat. Case. Env. Con. – San Envirotech Pvt. Ltd. Ahmedabad (Gujrat).

The proposed project falls under item no 5(f) i.e. Synthetic organic chemicals hence requires prior EC from SEIAA before initiation of activity at site. The application was forwarded by SEIAA to SEAC for scoping so as to determine "B2" Cat. As per MoEF & CC, New Delhi OM dated 13/02/18.the project.

The case was presented by the PP and their consultant in the 332nd SEAC meeting dated 26/10/2018 and during presentation following details were provided:

1. The proposed Manufacturing project of Linear Alkyl Benzene Sulphonic Acid (90% LABSA), Liquid Soap Manufacturing and Ferric Alum is planning having capacity of 20 TPD at Plot No. at Plot No. 51/2/1, 52/1/1, Gram Kajipalasia, Nemawar Main road, Indore.

2. Name of the Company, Address Tele No. & E-mail:**M/s. Nishit Chemicals, Plot No. 51/2/1, 52/1/1, Gram Kajipalasia, Nemawar Main road, Indore(Madhya Pradesh).Mr. Girish Khandelwal (0731-2403381, M: +91-9537706765)**

3. Latitude and Longitude of the project.

S. No.	Latitude	Longitude
1.	22°41'12.58"N	76°0'55.37"E
2.	22°41'8.42"N	76°0'55.61"E
3.	22°41'8.28"N	76°0'54.99"E
4.	22°41'12.50"N	76°0'54.80"E

4. If a Joint venture, the names & addresses of the JV partners including their share. **Not applicable**

5. Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.

The proposed Acid Slurry (LABSA 90%) project is planning having capacity of 500 MTPM along with Detergent Liquid Soap and Ferric Alum at Plot No. 51/2/1, 52/1/1, Gram Kajipalasia, Nemawar Main road, Indore. The project is proposed by Nishit Chemicals who is having 20 years of experience in trading of all types of Chemicals.

This is a backward integration due to proposed manufacturing of LABSA slurry. LABSA will be used for captive consumption as an in-house "Detergent Soap Liquid Manufacturing (Non-EC Product)" as well as sell to various Detergent manufacturing units for detergent powder, detergent cake, liquid scouring powder or paste. The bottom layer, which is Spent Sulphuric acid shall be in-house for Manufacturing of Ferric Alum and also will send to SSP Fertilizer Manufacturing Industries.

6. Cost of the project.**60 Laces**

7. Whether the project is in Critically Polluted area. **No**

8.If the project is for EC under EIA Notification, 2006

a) For the first time appraisal by EAC (I) Date of Tore: (ii) Date of Public Hearing, location (iii) Major issues raised during PH and response of PP: **We are applying First time for Environmental Clearance.**

Project Falls under Category B2 as per the Ministry's OM vide

- J-13012/12/2013-IA.II (I) dated 24th December 2013 and amendment/ continuation of circular dated: 13th February 2018 vide circular no- F. No. 22-76/2017-IA.III, regarding Environmental Impact Assessment (EIA) Notification 2006 and its amendments for categorization of category "B" projects/activates into B1 and B2 Category.
- As per the Circular, our Project fall under "B2" Category and hence applied for Environmental Clearance at your Kind Authority.
- We have carried out EMP study as per the generic structure of EIA notification, 2006

b) Second appraisal (I) Date of first /earlier appraisal (ii) Details of the information sought by the EAC with the response of the PP.: First time we are applying for Environmental Clearance.

9. If the project involves diversion of forest land: **Not applicable**

(I) Extend of the forest land (ii) status of forest clearance**.: Not applicable**

10. If the project falls within 10 km of eco- sensitive area (I) Name of eco- sensitive area and distance from the project site, (ii) status of clearance from National Board for wild life.: **Not applicable.**

11. Waste Management (i) Water requirement, source, status of clearance (ii) Waste water quantity, treatment capacity, detail (iii) Recycling / reuse of treated water and disposal (iv) Solid Waste

Water consumption
Water Consumption Details

S. No.	Break up	Water Consumption (lit/day)	Wastewater generation (lit/day)
I	Domestic	1500	1300 (Soak Pit)

II	Gardening	4500	00
III	**Industrial**		
a.	Process	3100	00
b.	Cooling	1000	1000
Total Industrial		**4100**	**1000**
Total (I + II + III)		**10100**	**2300**
Recycle water		**1000**	**--**
Fresh water requirement		**9100**	**--**

Fuel Consumption

S. No.	Stack attached to	Stack Height in m	Fuel Used	Fuel consumption rate	APC measure	Pollutant
1	DG Set (150 kVA)	11	HSD	50 lit/hr.	--	PM<150 mg/NM3 SO2<100 ppm NOx<50 ppm

Management (v) Hazardous Waste Management

Hazardous Waste Generation and disposal Details

S. No.	Name of Hazardous waste	Source	Cat. of waste	Quantity	Disposal method
1	Used Oil	D. G. Set	5.1	0.02 MT/Annum	Collection, Storage and Re-use as Lubrication of Pumps and Gearbox and in case of excess, sell to registered re-processors.
2	Discarded Containers/ Drums	Raw material storage	33.1	600 nos./month	Collection, storage and disposal by selling to registered recyclers.

12. Other details (i) Noise Modelling with noise control measures for airports (ii) Details of water bodies, impact on drainage if ant (iii) Details of tree cutting (iv) Energy conservation measures with estimated saving (v) Green belt development (20 % of construction projects and 33 % for others) (vi) Parking requirement with provision made:

The proposed site is located at Nemawar Main Road and surrounding area is covered as a Industrial hub. Nearest Airport is ~22.12 KM (Indore) from proposed project site. The Greenbelt Area of 33% shall be developed in Proposed Project.

13.If the project involves foreshore facilities (I) Shoreline study (ii) Dredging details, disposal of dredge material (iii) Reclamation (iv) Cargo handling with dust control measures (v) Oil Spill Contingent Management Plan: **Not applicable**

14. If the project involves Marine disposal (I) NOC from PCB in case of marine disposal (ii) details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters 9 (iii) location of intake / outfall. Quantity, (iv) detail of monitoring at outfall (v) Any other relevant information: **Not applicable**

15. Other information (I) Investment/Cost of the project is Rs 60.0 Lacs (in crore). (ii) Employment potential: 15-20 Persons (iii) Benefits of the project: Local persons shall be hired.

16. Date of Ground water clearance: Not applicable. Total water requirement (industrial + domestic + greenbelt) will be tuned around 10.1 KLD, of which 9.1 KLD will be freshwater demand and 1.0 KLD will be met from recycled water. Total water requirement for industrial purpose (process and cooling) will be 4.1 KLD. Water usage for domestic purpose and greenbelt will be 1.5 KLD and 4.5 KLD, respectively. Water requirement will be satisfied through Municipal Corporation routed through Industrial Developer.

17. Date of mine closure approval: This is 5(f) Category "B2" Project. The project is located in Notified Industrial Area**.**

18. Any river/Nallah flowing near or adjacent to the proposed mine. If yes, please give details: **Not applicable**

The case was presented by the PP and their consultant wherein during presentation PP submitted that it's a B2 category project as per the MoEF&CC notification J-13012/12/2013-IA.II (I) dated 24th December 2013 and amendment/ continuation of circular dated: 13th February 2018 vide circular no- F. No. 22-76/2017-IA.III, regarding Environmental Impact Assessment (EIA) Notification 2006 and its amendments for categorization of category "B" projects/activates into B1 and B2 Category. Total water requirement (industrial + domestic + greenbelt) will be tuned around 10.1 KLD, of which 9.1 KLD will be freshwater demand and 1.0 KLD will be met from

recycled water. Total water requirement for industrial purpose (process and cooling) will be 4.1 KLD. Water usage for domestic purpose and greenbelt will be 1.5 KLD and 4.5 KLD, respectively. Water requirement will be satisfied through Municipal Corporation routed through Industrial Developer. Similarly the fuel requirement is 50 liters/hr. PP further submitted that they have carried out EMP study as per the generic structure of EIA notification, 2006.

After presentation, PP was asked to provide copy of MoU made with the fertilizer industry for disposal of spent sulphuric acid. During presentation as per the Google image based on the co-ordinate provided by the PP, it was observed by the committee that sheds like structures are in existence on site for which PP submitted that earlier these shades were erected for warehouse purpose and for proposed industrial activity, no construction/installation has been initiated. Committee after deliberations decided that site visit may be carried out as sheds are constructed and the proposed site is located very adjacent to the Highway for further consideration of the project.

PP vide letter no. nil dated 03.12.2018, submitted reply of the query raised during 332 SEAC meeting:-

1. Query regarding MoU made with the fertilizer industry for disposal of spent sulphuric acid. PP confirmed the MoU has been done between fertilizer industries for Dil. Sulphuric Acid supplier.
2. Regarding sheds like structures which were existed on site observed on the Google image, PP in his reply stated that shades are temporary on galvanized sheets and not a permanent structure which are used for storage and trading of chemicals (PP attached trading bills where trading materials are stored trading business for ready reference).
3. Photographs of site are also annexed.

In this meeting the query reply was placed before the committee wherein committee observed that the documents and photographs submitted by PP exhibits that these are shades erected by PP for storing chemicals and treading of chemicals. PP further informed that these are temporary structure made up of galvanized sheets and till date no permanent structure is erected by them for the proposed unit. The reply submitted by PP was found satisfactory and acceptable to the committee. Hence the case was recommended for grant of prior EC for Synthetic Organic Chemicals Industry, Production Capacity of LABSA (90%) 500 MT/MP, & Spent Sulphuric Acid (Dil. Acid Slurry, 70-80 %) - 495 MT/PM Land Area – 6310 sq.mtr., at Village - Kajipalasia, Tehsil -Indore, District - Indore (M.P.). subject to the following special conditions:

(A) PRE-CONSTRUCTION PHASE

1. During any construction/plant erection activity, proper curtaining of site should be carried out to protect nearby areas.
2. For dust suppression, regular sprinkling of water should be undertaken.
3. PP will obtain other necessary clearances/NOC from respective authorities.
4. Provisions shall be made for the housing of construction/plant erection labor within the site with all necessary infrastructure and facilities such as mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.

(B) CONSTRUCTION PHASE

5. PPE's such as helmet, welding shield, ear muffs etc should be provide to the workers during construction/plant erection activities.
6. 50 meters area shall be left as non industrial area from the road and thick green belt shall be developed in this area.
7. Fire extinguishers should be provided on site during construction/ plant erection period.
8. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
9. Waste construction material should be recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
10. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 2082 sq meter area will be developed as green belt. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
11. MSW of various labours generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.
12. Waste oil generated from the DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization.

(C) POST CONSTRUCTION/OPERATIONAL PHASE

13. Total water requirement will be 10.1 KLD, of which 9.1 KLD will be freshwater demand and 1.0 KLD will be met from recycled water.
14. The domestic waste water 1.3 KLD will be disposed in the soak pit.
15. No industrial effluent from the unit shall be discharged outside the plant premises and Zero discharge shall be maintained. 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.

16. Hazardous wastes should be disposed off as per the authorization issued by MP Pollution Control Board.
17. Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
18. An integrated sensor based alarm system shall be provided by the PP to indicate any leakage of sulphuric acid form process and storage tanks. Automatic smoke, heat detection system should also be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
19. 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. An acid proof dyke wall shall also be provided all around the storage area.
20. 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.
21. 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.
22. 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.
23. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
24. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
25. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
26. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.
27. The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended, the Public Liability Insurance Act for handling of hazardous chemicals, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Solid Waste Management Rules, 2016 etc.

28. 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.
29. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
30. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.

(D) ENTIRE LIFE OF THE PROJECT

31. The proposed EMP cost is Rs. 19.00 lacs and Rs. 7.50 lacs/year are proposed as recurring expenses out of which Rs. 03.50 lacks is proposed for green belt development as capital and Rs. 02.50 lacks /year for recurring expenses for plantation proposed in the EMP.
32. Under CSR activity, Rs. 6.00 lacks are proposed for spent in different activities and should be implemented through respective committees.
33. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell.
34. As proposed, the green belt development / plantation activities should be completed within the first three years of the project and the proposed species should also be planted in consultation with the forest department.
35. In case of any, change in scope of work, technology, modernization and enhancement of capacity/ built-up area/ project area shall again require prior environmental clearance as per EIA notification, 2006.
36. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
37. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

(Dr. Mohd. Akram Khan)
Member

(Dr. A.K. Sharma)
Member

(Sonal Mehta)
Member

(Mohd. Kasam Khan)
Chairman

Following standard conditions shall be applicable for the mining projects of minor mineral in addition to the specific conditions:

Annexure- 'A'

Standard conditions applicable to Stone/Murrum and Soil quarries:

1. 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.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
4. Transportation of material shall be done in covered vehicles.
5. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. The proposed plantation should be carried out along with the mining @45 trees per hectare and PP would maintain the plants for five years including casualty replacement.
8. Transportation shall not be carried out through forest area.
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.
10. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
11. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
12. NOC of gram panchayat should be obtained for the water requirement.
13. PP should also maintain a log book containing annual details of tree plantation and causality replacement.
14. 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.
15. Mining should be done as per the submitted land use plan submitted by PP.

Annexure- 'B'

Standard conditions applicable for the sand Mine Quarries*

1. The amount towards reclamation of the 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.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
4. Plantation shall be carried out on the banks for stabilization of the banks.
5. The mining activity shall be done manually.
6. 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 trollies (tractor trollies) and not by heavy vehicles. Only registered tractor trollies 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.
7. NOC of gram panchayat should be obtained for the water requirement.
8. Transport vehicles will be covered with taurpoline to minimize dust/sand particle emissions.
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 depth of mining shall be restricted to 3m or water level, whichever is less.
12. No in-stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure 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.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. 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.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.
19. Mining should be done as per the submitted land use plan submitted by PP.

Annexure- 'C'

Standard conditions applicable for the Khodu Bharu sand Mine Quarries*

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
4. The amount towards reclamation of the 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.
5. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
6. The mining activity shall be done manually.
7. Heavy vehicles shall not be allowed for removal of sand.
8. The sand shall be transported by small trolleys up to the main transport vehicle.
9. Transport vehicles will be covered with taurpoline to minimize dust/sand particle emissions.
10. No Mining shall be carried out during Monsoon season.
11. PP shall take Socio-economic activity in the region through the 'Gram Panchayat'.
12. NOC of gram panchayat should be obtained for the water requirement.
13. EC will be valid for mine lease period/mine plan subject to a ceiling of 5 years.
14. The mining shall be carried out strictly as per the approved mining plan.

Annexure- 'D'

General conditions applicable for the granting of TOR

1. The date and duration of carrying out the base line data collection and monitoring, shall be informed to the concerned regional office of the M.P. Pollution Control Board.
2. 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.
3. An inventory of flora & fauna based on actual ground survey shall be presented.
4. Risk factors with their management plan should be discussed in the EIA report.
5. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
6. The EIA document shall be printed on both sides, as far as possible.
7. All documents should be properly indexed, page numbered.
8. Period/date of data collection should be clearly indicated.

9. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
10. 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.
11. 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.
12. Grant of TOR does not mean grant of EC.
13. 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.
14. 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.
15. 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.
16. All the necessary NOC's duly verified by the competent authority should be annexed.
17. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
18. 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.
19. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
20. 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.
21. 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.
22. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
23. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.

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.

24. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
25. Detailed analysis of availability and quality of the drinking water resources available in the block.
26. 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.
27. The consent of Gram Sabah of the villages in the area where project is proposed shall be obtained.