



**State Environment Impact Assessment Authority, M.P.**  
(Ministry of Environment, Forest and Climate Change, Government of India)

**Environmental Planning & Coordination Organization**

Paryavaran Parisar, E-5, Arera Colony

Bhopal - 462016

visit us <http://www.mpseiaa.nic.in>

Email : [mpseiaa@gmail.com](mailto:mpseiaa@gmail.com)

Tel.: 0755 - 2466970, 2466859

Fax : 0755 - 2462136

To,  
Ashish Kailashchand Jain, Director  
MEDIMPACT LIFE SCIENCES PRIVATE LIMITED  
47A, Vandana Nagar Annex,  
Indore (MP) -452001

No.: 4417 /SEIAA/ 20  
Date: 27.10.20

**Sub:-Case No. 7685/2020:** Prior Environment Clearance for Proposed Bulk Drugs & API Production at. Plot No. 125 & 126 Ujjaini Industrial Area Tehsil & Dist: Dhar MP Total Area: 3720 sq.m. Production Capacity : 30 M Ton per Anum by MEDIMPACT LIFE SCIENCES PRIVATE LIMITED through Director Ashish kailashchand Jain 47A, Vandana Nagar Anex, Indore (MP) -452001 Email: [medimpactlifesciences@gmail.com](mailto:medimpactlifesciences@gmail.com) Mob:- 9826024341 Env. Con.-Creative Enviro Services, Bhopal (M.P.).

**Ref:** Your application dtd. 10.09.20 received in SEIAA office on 15.09.2020

With reference to the above, the proposal has been appraised as per prescribed procedure & provisions under the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated 14<sup>th</sup> September 2006 and its amendments, on the basis of the mandatory documents enclosed with the application viz., Form I, pre-feasibility report, ppt. and additional clarifications furnished in response to observations by the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

- (i) Medimpact Life Science Pvt.Ltd.is proposing to manufacture Bulk Drugs, & its Intermediates of 30 TPA at Plot No. 125-126, Ujjaini Industrial Area , Dist-Dhar (MP).
- (ii) The project is proposed for Manufacturing of Bulk Drug & Intermediate with Production Capacity – 2500 kg/month. The proposed products steroid, hormones like Dexamethasone sodium phosphate, Clobetasole Propionate, Betamethasone Valerate, Vitamin 812 etc, Active pharmaceuticals ingredients and Its Intermediate.
- (iii) The proposed project is covered under 5 (f) category (B) of the schedule of EIA Notification issued by the Ministry of Environment & Forests vide S.O.1533 (E), dtd. 14.09.2006 and its amendments, hence is required to obtain prior EC. In the context of pandemic COVID -19, Gol's MoEF&CC issued a OM vide dated 13.04.2020, for considering the API & Bulk drug Projects as B-2 category.
- (iv) There is no interstate boundary (PWD letter dtd. 31.08.2020) within 05 km and no National park, Sanctuary and Eco-sensitive areas (DFO letter dtd. 22.09.2020) within 05 km of the project area hence General condition are not attracted.

- (v) The proposed production capacity is 30 TPA. Proposed product and production capacity:-

Product will be Made on Market demand maximum 30 MT/Annum with full of manufacturing capacity			
S.N.	Name Of Proposed Product	Quantity in TPA	Major Uses/ End Use
<b>(A)</b>	<b>Steroid Product and its Intermediate</b>		
1	Baclomethasone	9.00	Steroids
2	BaclomethasoneDipropionate		
3	Betamethasone		
4	Betamethasone Dipropionate		
5	Betamethasone sodium phosphate		
6	Betamethasone Valerate		
7	Dexamethasoene		
8	Dexametahsone Sodium Phospahte		
9	Clobetasol		
10	Flumethasone		
11	fluorometholone		
12	fluorometholone Acetate		
13	Hydroxoprogeterone		
14	HydroxoprogeteroneCaproate		
15	Mometasoenefuroate		
16	Nandrolone		
17	Nandrolonedecoate		
18	Deflazacort		
19	Triamcinolone acetone		
20	Hydrocortisone Acetate		
21	Hydrocortisone hemisuccinate		
22	Methyl Prednisolone		
23	Prednisolone acetate		
24	Prednisolone Sodium Phosphate		
25	Helobetasol Propionate		
	Total (A)	9.0	
<b>(B)</b>	<b>Hormones</b>		
1	Tetsosterone	0.80	Hormones
2	Testosterone cypionate		
3	Testosterone propionate		
4	Testosterone Deconoate		
5	Methyl testosterone		
	<b>Sub-Total</b>	<b>0.80</b>	
<b>(C)</b>	<b>Vitamins</b>		
1	Methyl Cobalamin		Vitamin B12 Analog
2	Cyanocobalamin		Vitamin 12
3	Hydroxocobalamin		Vitamin B12 Analog
	<b>Sub-Total</b>	<b>1.20</b>	
<b>(D)</b>	<b>Other API and Intermediate</b>		
1	Chlorhexadine		Germicidal.

2	Calcium stearate		Used to treat high blood pressure and edema
3	Magnesium stearate		Excipient
4	Crosscarmilose sodium		superdisintegrant
5	Methyl paraben		Excipient
6	Isosorbide		Intermediate
7	MethoxyPhenacyl Bromide		Intermediate
8	4-Aminopyridine		Antihistamine
9	Chlorhexadine Gluconate		Germicidal.
10	Cetrimide		Antiseptic
11	4- aminobenzaldehyde		Intermediate
12	Thyroxine sodium		Treat Thyroid defficiency
13	MethoxyPhenacyl Bromide		Intermediate
14	4-Aminopyridine		Intermediate
15	Ramdesivir		Antiviral (Covid-19)
	<b>Total (D)</b>	<b>19</b>	
	<b>GRAND TOTAL (A+B+C+D)</b>	<b>30MT/Anum</b>	

- (vi) The case was discussed in SEAC meetings 461<sup>st</sup> dated 29.09.2020, and recommended for grant of prior EC.
- (vii) The project is proposed in the company's existing premises having land of 3720 sq mt, Regarding land documents PP has submitted allotment letter dtd.11.09.2020 issued by MPIDC (MP Industrial Development Corporation),Bhopal. As per the allotment letter the said land is allotted to Mr. Ashish Jain S/o Mr. Kailash Chand Jain for setting up a MSME/Large industrial unit for manufacturing of Steroids and Vitamins. The land use breakup of the project area is as follows:-

Particular	Area In Sq. M.
Builtup Area	475.00
Raw Material Storage	50.00
Internal Road & Paved Area	647.00
Green Belt	1300.00
Total	2472.00
Open Land	1248.00
<b>Total Area</b>	<b>3720.00</b>

- (viii) The major facilities will be involved as Boiler, MEE, Reactors, Cooling Towers, Effluent Treatment Plant (ETP), and R.O Plant Facilities like administrative office, parking and greenbelt/plantation will also be developed as per plan/requirement.
- (ix) The total water requirement for the project will be approx. 40 KLD and after recycling/reuse, the net fresh water consumption will be 27 KLD which will be sourced from AKVN water supply.PP has submitted NOC dtd. 14.09.2020 obtained from MPIDC.
- (x) Total waste water generation from proposed unit will be 27 KLD and treated in ETP, RO and MEE is 40 KLD, 20 KLD, and 10 KLD, respectively. The rejected water will be reused for floor washing and gardening/green belt. The treated water will be used for cooling towers, floor washing and gardening/green belt.

- (xi) Following are the EMP planned for proposed activities of the plant
- Storm water drainage system will be developed and shall be maintained preciously to prevent the flow of silt and other contaminant outside of the site
  - The total water requirement is about 40KLD and waste water generated from the plant will be about 27KLD. Out of this about 11.5 KLD will be HTDS from Process, and RO reject and 15.5 KLD LTDS from Process, Washings, R&D, QC & Cooling towers and from Domestic/ Sewage will be collected by gravity from all sources into separate collection tanks.
  - HTDS Effluent will be sent to Multiple Effect Evaporator (MEE) with Stripper column followed by Agitated Thin Film Dryer (ATFD). The Condensate from MEE & LTDS Effluents will be sent to Biological ETP
  - The entire trade effluent will be divided into two streams i.e. Stream-I (high concentrated streams) and Stream-II (low concentrated stream). Both the streams will be treated in well-designed ETP, RO and MEE.
  - A drain along the boundary wall shall be made, which will be connected proposed settling tank to protect the flow of contaminant towards nearby area
  - Regular monitoring and analysis of river is proposed.
  - Being a chemical based plant, it is proposed to harvest the rain water only form the building roof top.
  - Recycling of 12 KLD water is proposed from where 3.5 KLD condensate will be recovered, which reduces the fresh water demand.
- (xii) 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).

Hazardous Waste Generation & Management					
Sr. No.	Hazardous Waste Type	Category	Source	Quantity Tons/Annum	Disposal method
1	Spent/Used Oil	5.1	DG Set	0.05	Collection storage and Sold to MPPCB Authorised Re-processor / Recycler
2	Oil & Grease	5.2	ETP Plant/Machinery /Gearbox	0.05	Collection storage and Sold to MPPCB Authorised Re-processor / Recycler
3	Distillation Residue	20.3	Solvent Distillation	1.66	sent to Common TSDF Ramky for Incineration
4	Other Solid Waster ( Tissue Paper, handGloves, Butter Paper ,used Poly Bags )	28.1	Manufacturing Process	0.60	Send to MPWMP Ramkey for disposal
5	Spent Mother Liquor	28.1	Manufacturing Process	10	Sale to Authorized Re-processor or Recycler
6	Spent Carbon and hyflow	28.2	Manufacturing Process	2.0	Deactivate , Washed and send to Recycler or Common TSDFRamkey
7	Date Expired Products & out Off Specifications Drugs	28.4	Manufacturing Process	0.066	Send to MPWMP Ramkey for dispose or Inceneration
8	Spent Solvent	28.5	Manufacturing Process	12	Distillation & Reuse or Sale to Authorized Re-processor or Recycler.
9	Discarded Containers	33.3	Manufacturing Process	1.33	To Authorized Reprocessor / Recycler

- Disposal of hazardous waste on regular basis shall be ensured and there should be no dumping of these materials in the premises/outside.
  - Hazardous chemicals shall be stored in sealed tanks, drums etc. Flame arrestors shall be provided on tanks. To avoid the spillage from processing unit, Industry shall provide fully mechanized filling and packaging operation unit.
  - RCC layer and double layered HDPE lining for primary and secondary leachate collection shall be provided.
  - Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
  - 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.
  - 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.
- (xiii) At present the total connected load of power is about 630 KVA. In case of power failure, D.G. set (225 KVA ) will be used as a backup power source.
- (xiv) To mitigate the impact of pollutants from boiler stack, diesel generator sets, sources of fugitive emission and vehicular traffic during the operational phase of the site, following measures are proposed for implementation:
- Height of all the stacks will be as per statutory requirement. All the stacks will have Stack Monitoring Facility (SMF) consisting of sampling port-hole, platform and access ladder.
  - Bag Filters and venturi scrubber are proposed as per the requirement and nature of pollutant.
  - Online monitoring system for the pollutants from the stacks with an arrangement to reflect gaseous emission parameters on company's server shall be provided.
  - Transport vehicles will be properly maintained to reduce air emissions. Vehicles will be periodically checked for pollutant emissions against stipulated norms.
  - Development of green belt in time bound manner in consultation with forest department.
  - Provision of enclosure for all the loading & unloading operations, if possible.
  - Regular maintenance of air pollution control equipment.
  - Regular monitoring of VOC, concentration in work zone
  - Better process control shall also help to keep the emission within the limit
  - Alkaline Scrubber will be attached to the reactor vent to control process SO<sub>2</sub> emission.
  - In order to control the fugitive dust emissions due to transportation activity, all the operational roads within the plant area shall be asphalted.
- (xv) The plantation and green belt is developed in 1300 sq. mtr area by planting 300 nos. of plants.
- (xvi) PP has included Disaster Management plan in the EMP report. For firefighting measure PP has provided Fire extinguishers and Fire Hydrants at project site.
- (xvii) PP has proposed the rain water from the building roof will be directed through the drainage to the covered storm water drainage line. All drainage system will be concreted lined and located along the roads up to rain water harvesting pit. Roof top rain water will be collected in tanks and reused after filtration as per requirements.

- (xviii) The total estimated cost of the proposed project Rs. 750 Lacs out of which . Rs. 95.90 Lacs (capital cost) is allocated for environmental management systems and the annual recurring cost for the same is Rs 14.80 Lacs.
- (xix) As part of CER activity PP has proposed to provide Infrastructure development at School in nearby villagers with Budgetary Provision of 15lakh..

Proposed CER Programme with Budgetary Provision				
S. no	Need Identified For CSR Plan	Activities	Budgetary Provision (Capital) (Rs. In lacs )	Time Frame
1	Infrastructure development at School, Aganwadies	Infrastructure facilities at schools in terms of provision of computers, teachers, facility of safe drinking water, separate toilets for girls and boys, provision of furniture, additional rooms etc. In consultation with district administration in Ujjaini	Rs . 12 Lac	Within 02 years
2	Covid Related Activities	To provide PPE Kit, Bed and Ventilator at nearby hospitals	Rs 3.00	Immediately after Clearance
Total			Rs 15 Lacs	

Based on the information submitted at Para i to xix above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 643<sup>rd</sup> meeting held on 06.10.2020 and decided to accept the recommendations of 461<sup>st</sup> SEAC meeting held on dtd. 29.09.20

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14<sup>th</sup> September 2006 & its amendments for the Proposed Bulk Drugs & API Production at. Plot No. 125 & 126 Ujjaini Industrial Area Tehsil & Dist: Dhar MP Total Area: 3720 sq.m. Production Capacity : 30 M Ton per Anum by MEDIMPACT LIFE SCIENCES PRIVATE LIMITED through Director Ashish kailashchand Jain 47A, Vandana Nagar Anex, Indore (MP) -452001, subject to the compliance of the Standard Conditions and the following additional Specific Conditions as recommended by SEIAA & SEAC in its meetings.

#### **A. Specific Conditions as recommended by SEIAA**

1. The entire demand of fresh water should be met through MPIDC (NOC dtd.14.09.2020) Fresh water should not be used for Irrigation and gardening purpose.
2. **Waste water:**
  - (a) PP should ensure "Zero effluent discharge" from the unit by 100% recycling. The water softening reject, boiler blow down reject and cooling blow down will be treated in ETP. Further treated waste water will go through the RO and finally re used / recycled in the process and unused waste water evaporates in MEE.
  - (b) RO and MEE should be provided for treatment of high COD waste streams and only in case of emergency/breakdown high COD wastes should be disposed off through CTSDf, Pithampur, Dhar.
3. **For Air Pollution:**
  - (a) PP should ensure regular Stack monitoring & Ambient air quality monitoring and should be carried out as per the guidelines/norms of MPPCB/CPCB.

- (b) In plant control measures for checking fugitive emission from all the vulnerable sources shall be provided. Fugitive emission shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator/bag filters and water sprinkling system.
  - (c) Company shall carry out the HAZOP study and report shall be submitted to ministry MoEF & CC Regional Office, Bhopal.
  - (d) For control of fugitive emission and VOCs following steps should be followed:-
    - Chilled brine circulation system shall be provided and it should be ensured that the solvent recovery efficiency is not be less than 95%.
    - Reactor and solvent handling pump shall be provided with mechanical seal to prevent leakage.
    - Solvent shall be taken from underground storage tank to reactor through closed pipeline. Storage tank shall be vented through trap receiver and condenser operated on chilled water.
- 4. Hazardous Waste Management:**
- (a) As proposed above, PP should ensure disposal of hazardous waste regularly and there should be no dumping of these materials in the premises/outside.
  - (b) PP should ensure handling, disposal and management of hazardous waste as per the related prescribed rules.
  - (c) PP should obtain Renewal of authorization regularly from MPPCB for collection storage and disposal of hazardous waste (Management, handling & transboundary Movement) Rules 2008 and its amendments. Membership of the TSDF should be obtained for hazardous waste disposal.
  - (d) Hazardous chemicals should be stored in sealed tanks, drums etc. Flame arrestors shall be provided on tanks. To avoid the spillage from processing unit, Industry shall provide fully mechanized filling and packaging operation unit.
- 5. Green Belt Development:**
- (a) PP should ensure plantation as proposed 1300 sq mt of area with 300 number of trees Plantation in the project area of indigenous local varieties like Neem, Peepal, Kadam and Kachnaar.
  - (b) Every effort should be made to protect the existing trees on the plot.
  - (c) Green area including thick green-belt shall be developed in at least 33% of the plot area to mitigate the effect of fugitive emissions all around the plant in consultation with the forest department as per the guidelines of CPCB.
6. PP should ensure the implementation of CER activities to the extent of Rs. 15.0 lakhs as committed during presentation on regular basis in consultation with Collector, Dhar
7. Total quantity of runoff water generated and green belt area should be collected in underground tank & used for process in plant to minimize fresh water requirement.
8. PP should ensure to submit half yearly compliance report and CER activity report with photographs of plantation in MP-SEIAA. If PP is failed to upload or submit two consecutive half yearly compliance reports of EC conditions to concerned authority (SEIAA and Regional Office, MoEF&CC, GoI, Bhopal) than prior environmental clearance issued to PP will automatically be treated as cancelled/ revoked as per OM No. 930/SEIAA/2019 dated 30.05.2019 issued by MPSEIAA.

## **B. Specific Conditions as recommended by SEAC**

### **(A) Statutory compliance**

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

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 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.
- ii. 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.
- iii. 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.
- iv. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- v. The DG sets (1 X 125 KVA- ) Proposed 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.
- vi. 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.
- vii. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

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

- i. 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.
- ii. As already committed by the project proponent Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.

- iii. The High COD/TDS process effluent (7.5KLD) and RO Reject (4.0 KLD) will be treated through MEE/ ATFD. The MEE condensates to the tune of -3.5 KLD will be recycled/ reused and MEE bottom will be sent to TSDF site
- iv. The Low COD/TDS effluent, [consisting, process effluent (12.6- KLD), Utility blow down (-0.4 KLD), washing (2.0- KLD), From Other (Scrubber + Softener/ MEE/DM Plant + R&D/QC/RO1) :1.5KLD)] will be treated in an on-site ETP followed by RO system.
- v. The treated effluent 12.0 KLD) will be reused/ recycled and the RO reject will be sent MEE/ATFD as stated above.
- vi. 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.
- vii. 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.
- viii. Total fresh water requirement shall not exceed 40 KLD and AKVN supply shall be used
- ix. 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.
- x. 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.
- xi. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

**(D) Noise monitoring and prevention**

- i. Acoustic enclosure shall be provided to DG (125 KVA) set for controlling the noise pollution.
- ii. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
- iii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

**(E) Energy Conservation measures**

- i. The energy sources for lighting purposes shall preferably be LED based.
- ii. The total power requirements for project will be 630 KVA . The power will be supplied by Madhya Pradesh Electricity Board. Furnace Oil Consumption 850 kg/hours, whereas the for boiler of 0.85 TPH. (Source Indigeneous)

**(F) Waste management**

- i. MSW waste shall be disposed of as per MSW rule 2016.
- ii. 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.
- iii. As proposed, 95% solvent recovery shall be achieved and recovered solvent shall be reused in the process.

- iv. 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.
  - v. 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.
  - vi. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
  - vii. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
  - viii. 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.
  - ix. 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.
  - x. 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.
  - xi. 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.
  - xii. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
  - xiii. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
  - xiv. 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.
  - xv. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
  - xvi. 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.
  - xvii. 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**
- i. The green belt of 5-10 m width shall be developed 1300 sq. meter within plant ( 300 no) and 250 no 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.

- ii. 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 600 no of plants in one year's 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**

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. 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.
- iii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iv. 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.
- v. 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.
- vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- vii. 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**

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly 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.
- iii. 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.
- iv. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
- v. The proposed EMP cost is Rs. 95.90 Lakhs as capital and 14.80 +30 Lakhs /year as recurring cost.

- vi. Under CER activity, Rs. 15.0 Lakhs as capital costs has proposed for different activities. PP shall comply with the commitment of providing infrastructure facility at school.
- vii. 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.
- viii. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

**(J) Miscellaneous**

- i. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
- ii. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.
- iii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- iv. 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).
- v. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.

**Standard Conditions:**

- 1. The company shall carry out the HAZOP study and the report shall be submitted to Regional Office of MoEF, GoI at Bhopal.
- 2. The company shall comply with the CREP guidelines prepared by MPPCB for Bulk Drug Plants.
- 3. During transfer of materials, spillages shall be avoided and gulland drains be constructed to avoid mixings of accidental spillages with domestic waste and storm drains.
- 4. Industry should get the Emergency Disaster Management Plan approved by DTHS and should also comply with the provisions made in Public Liability Insurance Act, 1991.
- 5. All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.
- 6. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the Regional office of the Ministry of Environment and Forest, Bhopal and MP PCB.

7. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained (as and when applicable), by the project proponent from the respective competent authorities.
8. The Regional Office, MoEF, Gol, Bhopal and MP PCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, should be given to Regional Office, MoEF, Gol, Bhopal and MP PCB.
9. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat and Municipal Bodies as applicable in addition to the concerned Government Departments / organization responsible for controlling the proposed projects who in turn has to display the same for 30 days from the date of receipt.
10. The project proponent has to strictly follow directions/guideline issued by the MoEF, Gol, CPCB and other Govt. agencies from time to time.
11. 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 is available with the State Pollution Control Board and also at web site of the State Level Environment Impact Assessment Authority (SEIAA) website at [www.mpseiaa.nic.in](http://www.mpseiaa.nic.in) and a copy of the same shall be forwarded to the Regional Office, MoEF, Gol, Bhopal and MP PCB.
12. Any change in the correspondence address be duly intimated to all the regulatory authority within 30 days of such change.
13. The Project Proponent has to upload soft copy of half yearly compliance report of the stipulated prior environmental clearance terms and conditions on 1st June and 1st December of each calendar year on MoEF & CC web portal - <http://www.environmentclearance.nic.in/> or <http://www.efclearance.nic.in/> and submit hard copy of compliance report of the stipulated prior environmental clearance terms and conditions to the Regulatory Authority also
14. The SEIAA of M.P. reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
15. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
16. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

17. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
18. Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
19. The prior Environmental Clearance granted for the project is valid for a period of seven years as per EIA notification dtd. 14.09.2006 & its amendments.
20. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
21. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF.

4418  
Endt No. / SEIAA/ 2020  
Copy to:-

Dated 27.10.20

(Tanvi Sundriyal)  
Member Secretary

- (1). Principal Secretary, Urban Development & Environment Deptt. 3<sup>rd</sup> Floor, Mantralaya Vallabh Bhawan, Bhopal.
- (2). Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.
- (3). Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016.
- (4). The Collector, District Dhar, M.P.
- (5). Managing Director, M.P. Audyogik Kendra Vikas Nigam (Indore) Limited, Free Press House First Floor, 3/54 Press Complex, Agra-Mumbai Highway Indore (M.P).
- (6). Director, I.A. Division, Monitoring Cell, MoEF, GoI, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi - 110 003
- (7). Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.
- (8). Guard file.

(Dr. Sanjeev Sachdev)  
Officer-in-Charge