



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

Environmental Planning & Coordination Organization

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To,
The Director,
M/S. SHRINIWAS PHARMACHEM PVT. LTD.
Vishnu Jajoo 126 Part Dawa Bazar Madhav Club Road,
Ujjain, Madhya Pradesh-456010

No.: 1057 /SEIAA/ 21
Date: 31.5.21

Sub:-Case No. 8253/2021 : Prior Environment Clearance for proposed project Manufacturing of Pharmaceutical Intermediates & API Manufacturing Unit at Plot No. 99,100 & 101,Vikram Udyogpuri, Industrial Area Near Narwar Village,Dewas Road,Ujjain, MP-456664, Total Project area – 58,109 sq.m (5.8109 ha) & Production Capacity: 920 Tonnes Per Month by Director, M/S. SHRINIWAS PHARMACHEM PVT. LTD. Vishnu Jajoo 126 Part Dawa Bazar Madhav Club Road,,Ujjain, Madhya Pradesh-456010 Mob-9827724959 Email- amit.m@shrijipolymers.com Env't. Consultant : Créative Enviro Services, Bhopal

Ref: Your online application (SIA/MP/IND2/197116/2021) dated 02.02.21 received in SEIAA office on 18.02.2021.

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 14th September 2006 and its amendments, on the basis of the mandatory documents enclosed with the application viz., Form 2, 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) The project is proposed for Manufacturing of Bulk Drugs & API Production having capacity of 920 TPM at Plot No. 99, 100, 101, Vikram Udyogpuri, Dewas Road, Dist. Ujjain, (MP).
- (ii) The project site is located between Latitude 23° 5'29.06"N and Longitude 75°55'49.50"E.
- (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, GoI's MoEF&CC issued dtd. 15.10.2021 for considering the API & Bulk drug Projects as B-2 category.

Case No. 8253/2021

Issued vide letter no. dated

Case No.: To be quoted in registered cases for correspondence

1 of 14

(iv) There is no interstate boundary within 05 km and no National park, Sanctuary and Eco-sensitive areas within 05 km of the project area hence General condition are not attracted.

(v) PP has proposed Production Capacity 920 TPM with following products :-

Group No.	Sr. No.	Chemical Name of the product	Qty (MT/M)
1	1	2-methyl-5 nitro Imidazole	150
2	2	Metronidazole	150
	3	Metronidazole Benzoate	
	4	Tinidazole	
	5	Secnidazole	
	6	Ornidazole	
3	7	4'-Methyl-2-cyanobiphenyl (OTBN)	150
	8	4-Bromomethyl-2-cyanobiphenyl (Bromo OTBN)	
	9	5-(4'-Bromomethyl-1,1'-biphenyl-2-yl)-1-triphenylmethyl-1H-tetrazole (Trityl tetrazole bromomethyl biphenyl) (TTBB)	
	10	2-Butyl 4-Chloro 5-Formyl Imidazole(BCFI)	
4	11	Losartan Potassium	100
	12	Telmisartan	
	13	Olmesartan	
	14	Candesartan	
	15	Valsartan	
5	16	Guanine	50
	17	Acyclovir	
	18	Valaciclovir	
	19	Ganciclovir	
	20	Valganciclovir HCL	
6	21	2,8-Diazo bicycloNonane (Moxifloxacin Intermediate)	10
	22	Moxifloxacin	
7	23	Corey Lactone Diol	10
	24	Latanoprost	
	25	Bimatoprost	
	26	Travoprost	
8	27	Iminodibenzyl	40
	28	3-Chloro Iminodibenzyl	
	29	Iminostilbene carbonyl chloride	
	30	10-Methoxy Iminostilbene	
9	31	Carbamazepine	40
	32	Oxcarbazepine	
	33	Clomipramine	
	34	Imipramine Hydrochloride	
	35	Desipramine HCL	

Case No. 8253/2021

Issued vide letter no. dated

Case No.: To be quoted in registered cases for correspondence

2 of 14

Group No.	Sr. No.	Chemical Name of the product	Qty (MT/M)
10	36	Teneligliptin Hydrobromide Hydrate (THH)	10
	37	Sitagliptin Phosphate Anhydrous/Monohydrous	
	38	Vilagliptin	
	39	Linagliptin & Intermediates	
11	40	Pimecrolimus	10
	41	Silodosin	
	42	Ranolazine	
12	43	SABAM HCL	50
	44	Levetiracetam	
13	45	Flecainide Acetate	25
	46	Loxoprofen Sodium Dihydrate	
	47	Apremilast	
	48	Tranexamic Acid	
	49	Febuxostat	
	50	Entecavir Monohydrate	
	51	Edaravone	
	52	Sugammadex sodium	
	53	Rivaroxaban	
	54	Garenoxacin Mesylate	
	55	Levomilnacipran Hydrochloride	
	56	Fosravuconazole	
	57	Upadacitinib	
	58	Crisaborole	
14	59	Edoxaban Tosylate	100
	60	Elagolix Sodium	
	61	2 Mercapto 5-Methoxy Benzimidazole	
	62	5-(Difluoromethoxy)-2-[[3,4-Dimethoxypyridine-2-yl)methyl]sulfyn]-1H-Benzimidazole	
15	63	5-Difloro Methoxy 2 MarcaptoBenzimidazol	25
	64	5-Methyl 2 MercaptoBenzimidazole	
15	65	Pantoprazole Sodium Sesquihydrate	25
TOTAL			920

Name of the by-product

Sr. No.	Name of the by-product	Quantity (MT/M)
1.	Distilled Acetone	78.75
2.	Di-ammonium Tartarate	50.00

- (vi) The project occupies a plot Area of 58,109 sq.m. of land. PP has submitted letter of intent dtd. 26.12.20 & 30.09.20 issued by DMIC Vikram Udyogpuri Ltd. for the allotment of the plot number 99,100 and 101. The land use breakup of the project area is as follows:-

Case No. 8253/2021

Issued vide letter no. dated

Case No.: To be quoted in registered cases for correspondence

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S. No.	Particular/Purpose	Area (Sq. M.)	% of land
1.	API Plant	1584	2.73%
2.	Intermediate Plant	1584	2.73%
3.	Raw Material Storage area	1225	2.11%
4.	Finish goods storage area	1225	2.11%
5.	Admin Block area	1223	2.10%
6.	Tank Farm area	2826	4.86%
7.	Hazardous waste storage area	400	0.69%
8.	Utility area	1368	2.35%
9.	Toilet Block	120	0.21%
10.	Security Cabin	40	0.07%
11.	Open area	8928	13.24%
12.	Roads/Paved area	11758	20.23%
13.	Green belt area	20000	34%
14.	ETP area	1498	2.58%
15.	Parking area	5810	10.00%
Total		58,109	100.00%

- (vii) The major facilities will be Boiler, MEE, Reactors, Cooling Towers, Effluent Treatment Plant (ETP), and R.O Plant. Facilities like administrative office, parking and greenbelt/plantation will also be developed as per plan/requirement. The treated water will be used for cooling towers, floor washing and gardening/green belt.
- (viii) Total raw water requirement for the proposed project will be 648.54 (456.54 KLD fresh water and 192.00 KLD recycled water). The water will be sourced from DMIC-Vikram Udyogpuri Ltd. accordingly permission letter issued on 16.12.20.
- (ix) Total Industrial Waste water generation will be 516.87 KLD mainly from process and washing etc. Out of which 40.06 KLD of high concentrated effluent will be segregated and sent to MEE followed by ATFD for further treatment. Balance 482.67 KLD of normal effluent from washing, DM Plant, scrubber & ejector will be treated in primary, secondary and tertiary ETP and 15 KLD condensate from MEE will be mixed with normal effluent for the treatment. Out of total 497.67 KLD treated effluent 40 KLD will be reused for washing purpose, 15 KLD will be used for floor/container washing & 90 KLD will be reused for land irrigation/gardening activities. Remaining treated effluent will be discharged to the CETP of DMIC-Vikram Udyogpuri Limited for further treatment. PP has obtained permission from the DMIC Vikram Udyogpuri Ltd dtd. 19.01.2021 for discharge of waste water in common effluent treatment.
- (x) Various mitigation measures shall be adopted for water and wastewater management is mentioned below:
- Storm water drainage system shall be developed and shall be maintained preciously to prevent the flow of silt and other contaminant outside of the site
 - The entire trade effluent will be divided into two streams i.e. Stream-I (high concentrated streams) and Stream-II (low concentrated stream). Both the streams will be treated in well-designed ETP, RO and MEE.
 - Low COD /TDS wastewater (including process effluent, washing, blow downs from cooling towers, boiler, scrubber and Softener regeneration) will be sent to ETP followed by CETP of Vikram Udogpuri Industrial Area.
 - High COD / TDS wastewater (consisting process effluent) will be sent to MEE/ATFD. Condensate will be reused and bottom salt will be sent to a common TSDF site.

Case No. 8253/2021

Issued vide letter no. dated

Case No.: To be quoted in registered cases for correspondence

4 of 14

- Utilization of treated wastewater in toilet flushing, greenbelt development and dust suppression
 - A drain along the boundary wall shall be made, which will be connected proposed settling tank to protect the flow of contaminant towards nearby area
 - Storm water drainage system will be developed for unit and shall be maintained preciously to prevent the flow of silt and other contaminant outside of the site.
 - Blow downs from cooling towers, boiler, ACF/MGF Cleaning, Softener regeneration, Vacuum pump will go to ETP
 - Water harvesting structure need to provide further strength with proper maintenance
 - ZERO effluent discharge has been implemented, and after expansion, the same shall be maintained
- (xi) 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 RLSPL will take authorization Under Hazardous Waste (Management, Handling & Transboundary Movement), Rules.
- (xii) Power will be sourced from existing line of 'Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company'. The total requirement will be 500 KW. In case of power failure, D.G. of 2X500 KVA will be used as a backup power source.
- (xiii) The company proposes to install 3 nos. of 4 TPH capacity of briquette fired boiler. Multi-cyclone separator followed by water scrubber will be provided as APCM with 38 m stack height to boiler. 1 No. of Boiler will be kept as standby. 2 Nos. of 500 kVA capacity of D.G Sets will be provided and 11 m stack height with Acoustic enclosure will be provided to 2 Nos. of 500 kVA Capacity of D.G Set. HBr, Br₂, HCl, Cl₂, SO₂, NO_x, NH₃ Process emission will be generated from respected manufacturing process vessel and Air Pollution Control Measures will be provided to control process gas emission. For control of air pollution PP has proposed following measures:-
- All tankers shall be PUC Certified from time to time.
 - DG Sets will be operated during power failure.
 - Greenbelt will be developed at the facility to mitigate the impact of pollution.
 - Use of raw materials will have VOC emissions, which will be controlled by taking the following measures:
 - Provision for immediate isolation of such equipment, in case of a leakage will be made. All the mechanical seals of pumps and reactor will be monitored and maintain periodically as per preventive maintenance schedule.
 - Monitor VOC's through portable VOC's meter.
 - Closed handling and charging system shall be provided for chemicals.
 - Pumps shall be provided with mechanical seals to prevent leakages.
 - Flammable gas detectors shall be installed in the appropriate locations.
 - Venting equipment having toxic / flammable material shall have vapor recovery/scrubbing system. Measuring Instruments with sound alarm and having strategically placed sensing elements shall be provided for alerting the personnel in case of any escape of gases. Interlock with blower shall be provided.
- (xiv) PP has proposed plantation in 20000 square meters i.e. 34% of the total area by planting 5000 numbers of trees. The green belt of 5-10 m width will be developed mainly along the periphery and road side
- (xv) The total fixed cost of the project is estimated as INR 4785 Lacs..

Case No. 8253/2021

Issued vide letter no. dated

Case No.: To be quoted in registered cases for correspondence

5 of 14

- (xvi) PP has proposed physical targets as per the needs of the local population under Corporate Environment Responsibility (CER) with respect to Project Cost.i.e 10.0 lakh as follows:

Need Based CER activities along with Budgetary Allocation and it's Implementation Schedule			
S. N.	Need Identified For CER Plan	Activities	Budgetary Provision In Lacs (Capital)
1	Infrastructure development at School	Installation of continuous effluent monitoring system at bathing Ghat of River Shkipra with the consent of district administration for continuous monitoring of water quality being used for bathing and other purposes.	Rs. 10 Lac
	Total		Rs 10 Lacs

Based on the information submitted at Para i to xvi above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 668th meeting held on 24.03.2021 and decided to accept the recommendations of 487th SEAC meeting held on dtd. 05.03.21

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14th September 2006 & its amendments for the Proposed Manufacturing of Pharmaceutical Intermediates & API Manufacturing Unit at Plot No. 99,100 & 101, Vikram Udyogpuri, Industrial Area Near Narwar Village, Dewas Road, Ujjain, MP-456664, Total Project area – 58,109 sq.m (5.8109 ha) & Production Capacity: 920 TPA by Director, M/S. SHRINIWAS PHARMACHEM PVT. LTD. Vishnu Jajoo 126 Part Dawa Bazar Madhav Club Road,,Ujjain, Madhya Pradesh-456010, 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 DMIC Virkam Udyogpuri Ltd.(NOC dtd.16.12.2020) 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.

Case No. 8253/2021

Issued vide letter no. dated

Case No.: To be quoted in registered cases for correspondence

6 of 14

- (c) Company shall carry out the HAZOP study and report shall be submitted to ministry MoEF & CC Regional Office, Bhopal.
- (d) 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/CNG for use in coal/CNG fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions from the boiler, DG set shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- (e) 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 20000 sq. m of area with 5000 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 34% of the plot area as proposed 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. 10 lakh for Installation of continuous effluent monitoring system at bathing Ghat of River Shkipra with the consent of district administration for continuous monitoring of water quality being used for bathing and other purposes as committed during presentation in consultation with Collector, Ujjain.
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. All other conditions as laid in the consents of MPPCB shall be applicable.
9. 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.

Case No. 8253/2021

Issued vide letter no. dated

Case No.: To be quoted in registered cases for correspondence

7 of 14



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 any 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 / / Bio Briquette for use in coal// Bio Briquette fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions from the boiler, DG set and scrubber shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- 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 (2 X 500 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 (40.06 KLD) and RO Reject will be treated through MEE/ ATFD. The MEE condensates will be recycled/ reused and MEE bottom will be sent to TSDF site
- iv. The Low COD/TDS effluent, [422.67KLD)] will be treated in an on-site ETP of 500 KLD .
- v. The treated effluent will be reused/ recycled.
- 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 648.54 KLD and Tanker water 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 (2X500 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 500 KW. The power will be supplied by Madhya Pradesh Electricity Board. Briquette will be used in boiler of 3X4TPH

(F) Waste management

- i. 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.
- ii. As proposed, 95% solvent recovery shall be achieved and recovered solvent shall be reused in the process.
- iii. 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.
- iv. 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.
 - v. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
 - vi. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
 - vii. 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.
 - viii. 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.
 - ix. 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.
 - x. 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.
 - xi. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
 - xii. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
 - xiii. 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.
 - xiv. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
 - xv. 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.
 - xvi. 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 20000 sq. meter within and periphery of plant (5000 nō), 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.

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- 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 5000 no of plants in Two 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**
- 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 company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- ii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
- iii. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
- iv. The proposed EMP cost is Rs. 167.50 Lakhs as capital and 96.30 +11.50 Lakhs /year as recurring cost.
- v. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other



- purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- vi. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- (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 garland 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.

Case No. 8253/2021

Issued vide letter no. dated

Case No.: To be quoted in registered cases for correspondence

12 of 14



8. The Regional Office, MoEF, GoI, 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, GoI, 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, GoI, 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 and a copy of the same shall be forwarded to the Regional Office, MoEF, GoI, Bhopal and MP PCB.
12. 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
13. 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.
14. 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.
15. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
16. 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.
17. 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.
18. 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.
19. 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

Case No. 8253/2021

Issued vide letter no. dated

Case No.: To be quoted in registered cases for correspondence

13 of 14



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, SO₂, NO_x (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.

20. The environmental statement for each financial year ending 31st 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.

1058
Endt No. / SEIAA/ 2021

Dated 31.5.21

31/05/21
(Shriman Shukla)
Member Secretary

Copy to:-

- (1). Principal Secretary, Urban Development & Environment Deptt. 3rd 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, Distt- Ujjain - M.P.
- (5). District Forest Officer, Ujjain, MP
- (6). M P Audyogik Kendra Vikas Nigam (Ujjain) Ltd. Nana Kheda Bus Stand Campus, Indore Road, UJJAIN-456010 (M.P.)
- (7). District Trade and Industry Centre, Ujjain, MP
- (8). Director, I.A. Division, Monitoring Cell, MoEF, Gol, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003
- (9). Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.
- (10). Guard file.

(Alok Nayak)
Officer-in-Charge

Case No. 8253/2021

Issued vide letter no. dated

Case No.: To be quoted in registered cases for correspondence

14 of 14