



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Madhya Pradesh)

To,

The CEO
BIOFIL CHEMICALS & PHARMACEUTICALS LTD.
Plot No. 8, Sector-III, Kheda Industrial Estate, Pithampur, Taluka and
District-Dhar, Madhya Pradesh -454775

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
in respect of project submitted to the SEIAA vide proposal number
SIA/MP/IND3/247132/2021 dated 26 Apr 2022. The particulars of the environmental
clearance granted to the project are as below.

1. EC Identification No.	EC22B058MP119299
2. File No.	9132/2022
3. Project Type	Expansion
4. Category	B2
5. Project/Activity including Schedule No.	5(f)-API
6. Name of Project	Biofil Chemicals & Pharmaceuticals Ltd.
7. Name of Company/Organization	BIOFIL CHEMICALS & PHARMACEUTICALS LTD.
8. Location of Project	Madhya Pradesh
9. TOR Date	N/A

The project details along with terms and conditions are appended herewith from page
no 2 onwards.

Date: 18/06/2022

(e-signed)
Shriman Shukla
Member Secretary
SEIAA - (Madhya Pradesh)

*Note: A valid environmental clearance shall be one that has EC identification
number & E-Sign generated from PARIVESH. Please quote identification
number in all future correspondence.*

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PARIVESH

(Pro-Active and Responsive Facilitation by Interactive,
and Virtuous Environmental Single-Window Hub)



Ref:Proposal No. SIA/MP/IND3/247132/2021,9132/2022 : Prior Environment Clearance for Capacity Expansion of proposed Manufacturing API and Pharmaceuticals Intermediates in Existing Unit at Plot No. 8, Kheda Industrial Area, Pithampur, District Dhar, (MP) by M/s Biofil Chemicals & Pharmaceuticals Ltd, 11/12, Sector-E, Sanwer Road, Industrial Area, Dist. Indore, MP - 452015. Email : biofilchemicals@yahoo.com Mob No. 08889912301 Env. Consultant. – ENVISOLVE LLP, Indore (M.P.).

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.

- This is a case of Prior Environment Clearance for Capacity Expansion of proposed Manufacturing API and Pharmaceuticals Intermediates in Existing Unit at Plot No. 8, Kheda Industrial Area, Pithampur, District Dhar, MP.
- Unit is currently engaged in manufacturing of Ferrous Sulphate Granules & Dry Powder, Inorganic Salt (Potassium Chloride) which are non EC products and having the valid Consent (CCA) order (Consent No: 10987 dated 28.09.2021) issued by Madhya Pradesh Pollution Control Board (MPPCB) for production of the existing product.
- Existing production capacity of Ferrous Sulphate Granules & Dry Powder is 310 MT/Anum. Proposed production capacity of Ferrous Sulphate Granules & Dry Powder 1200 MT/Annum and proposed production capacity of API/Bulk Drug & Intermediates, Steriod and Hormones is 1800 MT/Annum & 90 MT/Annum respectively.
- Existing and proposed Expansion of list of Products & Capacity (Unit/Annum):

S. no.	Product	Existing	Proposed
1.	All types of Plastic-Drippers, Caps, Fittings & Forming	15.0 lakhs	----
2.	Ferrous Sulphate Granules & Dry Powder	310.0 MT	1200.0 MT
3.	Inorganic Salt (Potassium Chloride)	1400 MT	2000.0 MT
4.	Microcrystalline Cellulose Powder(MCCP) Cellulose Powder(CP)	30.0 MT	180.0 MT
5.	Tablets	30.0 lakhs	12.0 Crore
6.	Capsules	30.0 lakhs	01.0 Crore
7.	Plastic Granules	24.0 MT	150.0 Tons
8.	Steroid and Harmones	.....	90.0 Tons
9.	API /Intermediates	.....	1800.0 Tons
10.	Syrups	----	7.5 (liquid) lakhs
11.	Chlorine Tablets	----	05.0 Crore

- Proposed API & their Intermediates Products covered under EIA Notification, 2006:

Active Pharmaceutical Substances		
Products	Chemical name	END USE
Diclofenec sodium	2-[(2,6-Dichlorophenyl)amino] benzene acetic acid sodium salt	API
Aceclofenac	2-[(2,6-Dichlorophenyl) amino] benzene acetic acid carboxy methyl ester	API
Mefemanic acid	2-[(2,3-Dimethylphenyl)amino]-benzoic Acid	API
Niphidipine	1,4-Dihydro-2,6-dimethyl-4-(2-nitrophenyl)-3,5-pyridine dicarboxylic Acid Dimethyl Ester	API
Fenbendazole	Methyl 5-(phenylthio)-2-benzimidazolecarbamate	API
Chlorzoxazone	5-Chloro-2(3H)-benzoxazolone	API

Products	Chemical name	END USE
Chlorthalidone	RS)-2-Chloro-5-(1-hydroxy-3-oxo-2,3-dihydro-1 Hisonidol-1-yl)benzene-1-sulfonamide	API
Gliclazide	(R)-3-Hydroxy-alpha-[(methylamino)methyl]benzenemethanol hydrochloride	API
Phenylephrine	(R)-(-)-3-Hydroxy- α -(methylaminomethyl)benzyl Alcohol	API
Mesalamine	5-Amino-2-hydroxybenzoic acid	API
Montelukast	1-[(1R)-1-[3-[(1E)-2-(7-Chloro-2-quinolinyl)ethenyl]phenyl]-3-[2-(1-hydroxy-1 methylethyl) phenyl]propyl] thio] methyl] cyclopropane acetic acid sodium salt hydrate	API
Transexemic acid	trans-4-(Aminomethyl)cyclohexanecarboxylic Acid	API
Levosulpride	5-(Aminosulfonyl)-N-[[[(2S)-1-ethyl-2-pyrrolidinyl]methyl]-2-methoxy-benzamide;	API
Amisulpride	4-Amino-N-[(1-ethyl-2-pyrrolidinyl)methyl]-5-(ethylsulfonyl)-2-methoxybenzamide,	API
Meberverine	4-(ethyl(1-(4-methoxyphenyl)propan-2-yl)amino)butyl 3,4-dimethoxybenzoate hydrochloride	API
Defrasirox	4-[3,5-Bis(2-hydroxyphenyl)-1H-1,2,4-triazol-1-yl]benzoic Acid	API
Vildagliptin	(2S)-1-[2-[[3-Hydroxytricyclo[3.3.1.1 ^{3,7}]dec-1-yl]amino]acetyl]-2-pyrrolidine carbonitrile	API
Hydroxychloroquine	7-Chloro-4-[4-(N-ethyl-N- β -hydroxyethylamino)-1-methylbutylamino]quinoline	API

B	INTERMEDIATES	End use
1	4- Nitro benzyl chloride	For API
2	3 - Nitro benzyl chloride	For API
3	Paranitrobenzyl alcohol	For API
4	4- Methoxybenzoic acid	For API
5	4 Chlorosalysilic Acid	For API
6	1-[2-(2-Hydroxyethoxy) ethyl]Piperazine	For API
7	(2S)-1-chloroacetyl-2-pyrrolidine carbonitrile	For API
8	Methyl-2-methoxy -5 -sulphomyl benzoate	For API
9	4-[[4-Methylpiperazin-1-yl)methyl]benzoic acid di hydrochloride	For API
10	N-(5-Amino-2-methylphenyl)-4-(3-pyridyl)-2-pyrimidineamine	For API
11	2-Methyl-5-nitrophenyl)guanidine nitrate	For API
12	Methyl-4-(bromomethyl)benzoate	For API

- vi. 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 conditions are not attracted.
- vii. The case was considered in 569th SEAC meeting dtd. 06.05.2022 and recommended for environmental clearance with specific conditions.
- viii. The project occupies Area of 1,05,464 sq.m. of land. PP has submitted registered lease deed dtd. 02nd January 1996 executed between Managing Director MPAKVN (Indore) Ltd. Indore and M/s Biofil Chemicals & Pharmaceuticals Ltd.
- ix. 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.

x. Salient Features of the Project:

Sr. No	Parameters	Description	
1.	Category as per EIA Notification	As per the EIA Notification S.O. 1533 dated 14th September 2006, proposed activity is covered under Synthetic Organic Chemicals Industry 5(f), and needs prior environmental clearance for expansion with reference to the vide MoEF&CC Notification S.O.2859 (E) dated 16th July 2021, the proposed activity comes under activity 5(f) API under B2 category. As per EIA notification 2006 Public Hearing is exempted for B2 category projects, hence, though the project is located outside the notified industrial public hearing is not applicable.	
2.	Project Type	Expansion in production capacity	
3.	Latitude	22°37'11.84" N	
4.	Longitude	75°37'7.74" E	
5.	Total Area	1,05,464 Sq. m.	
6.	Green Belt Area	34863.18 Sq.m. (33% of the total area)	
7.	Water Requirement, Source & its approval	Total Water Requirement 65.5 KLD Recycle water 48 KLD Actual fresh water requirement-17.5 KLD Source: DMIC PithampurJalPrabhandhan Ltd.	
8.	Wastewater Generation	Total Industrial Effluent (43.2 KLD) will be generated. Out of which high COD/TDS process effluent (10 KLD) will be sent to solvent stripper and thereafter sent to MEE followed by ATFD and bottom salt will be disposed to a designated TSDF Site. The remaining low TDS/ COD effluent (33.2 KLD), [consisting, low COD/TDS effluent (20 KLD), Boiler blow down (1 KLD), Cooling Purge (1.2 KLD), APCM (1 KLD), Washing(5 KLD), DM Reject (5 KLD)] along Domestic Effluent (6 KLD) will be mixed with industrial effluent and treated in an on-site ETP followed by RO system. The treated effluent (48 KLD) will be reused/ recycled and the RO reject (8.6 KLD) will be sent to above stated MEE followed by ATFD. Thus, unit will maintain zero discharge.	
9.	Power Requirement	Total Power Requirement: 500 KW Source: MPSEB	
10	DG Set Details	DG Set (1No.)- Existing-30 kVA D.G. Set (1No.)- Proposed-2 x 125 KVA	
11	Fuel Requirement	A Existing	
		i	Agro Waste for Boilers (0.6 TPH) Agro Briquette (5 kg/hr)
		ii	HSD for DG Set (30 kVA)* HSD – 35 LPH
		B Proposed	
		i	Briquette/Coal for Boilers (2 x 2 TPH) Agro Briquette (6 T/day)
ii	Thermopack Boiler (2 Lakh k Cal/Hr.) HSD or Furnace Oil		
iii	HSD For DG Set (2 x 125 kVA)* 96 lit/hour		
12	Solid waste, Hazardous waste,	All Haz. waste, solid & other waste will be segregated and properly stored prior to its final disposal and its managed would be carried out as per HW Rules, SW Rules & CPCB/SPCB guideline	
13	Manpower Requirement	Construction phase 100-150 Operation phase 150 workers per day	
14	Budgetary Allocation	Project Cost: 2400 Lakh EMP Cost: Rs. 130.25 lakhs and 35.0 lakhs/year as recurring cost and out of which the Environment Monitoring Cost for the project is 15.0 lakhs and Rs. 20.0 lakhs is proposed for green belt development.	

Sr. No	Parameters	Description
15	Corporate Environmental Responsibility (CER)	CER Cost: Rs.48 lakh proposed for different activities.
16	Green belt Development	34803.12 sq.m. area(33%) of total land area of project will be developed for green belt by planting 5000 nos.of trees.

xi. PP has submitted on site and of site emergency plan including Disaster Management, Risk Assessment and Fire Fighting.

Based on the information submitted at Para i to ix above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 726th meeting held on 25.05.2022 and decided to accept the recommendations of 569thSEAC meeting held on dated 06.05.2022.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA Notification dtd. 14th September 2006 & its amendments for the Capacity Expansion of proposed Manufacturing API and Pharmaceuticals Intermediates in Existing Unit at Plot No. 8, Kheda Industrial Area, Pithampur, District Dhar, (MP) by M/s Biofil Chemicals & Pharmaceuticals Ltd, 11/12, Sector-E, Sanwer Road, Industrial Area, Dist. Indore, MP - 452015 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 Pithampur Jal Prabhandhan Ltd. Recycled water should be used for gardening purpose.
2. PP should ensure disposal of storm water (if any) to linkage with AKVN drainage system.
3. PP should maintain zero discharge from the Industry.
4. Green Belt Development:
 - (a) PP should ensure plantation as proposed total greenbelt area 34803.12 sq.m (33% of total plot area) with total 5000 numbers of trees of indigenous local varieties like Neem, Peepal, Kadam and Kachnaar.
 - (b) Every effort should be made to protect the existing trees on the plot.
5. PP should ensure the implementation of CER activities to the extent of Rs. 48 lakh in stipulated period.
6. For conservation of energy non conventional source of energy should be implemented.
7. This environmental clearance is issued subject to installation of online air monitoring facility equipment, waste water management odour management and noise management system. PP should ensure that efficiency of the pollution control measurement should not be less than 99%.
8. PP to include carbon footprint in the Environmental Monitoring and set targets for reduction of their footprint in the management systems.
9. **Odor Management:**
 - (a) Nozzles, sprayers and atomizers that spray ultra-fine particles of water or chemicals should be used along the boundary lines of area sources to suppress odours
 - (b) Odorous air streams frequently contain high concentration of moisture. PP should ensure to use Mist filters for this purpose so that mist filter can remove solids and liquids from gas stream.
 - (c) Regular transportation of Sludge and other odor producing material to CHWTSDF
 - (d) Proper storage of chemical, solvent to avoid direct contact of sunlight

- (e) Personal Protective Equipment should be provided to the workers while handling of chemical and raw material
- (f) Thick green belt including small fragrance tree/shrubs should be planted around the odor generating component of the project.

10. For Air Pollution:

- (a) A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
- (b) PP should ensure regular Stack monitoring & Ambient air quality monitoring and should be carried out as per the guidelines/norms of MPPCB/CPCB.
- (c) 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.
- (d) Company shall carry out the HAZOP study and report shall be submitted to ministry MoEF & CC Regional Office, Bhopal.
- (e) PP should explore the possibility to use other source of fuel instead of coal.
- (f) 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.
- (g) 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.

11. 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 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 obtain for hazardous waste disposal.
 - (c) 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.
 - (d) The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
12. Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
13. In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.

14. The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
15. Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
16. PP should ensure to submit half yearly compliance 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, Gol, 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

17. Proposed Expansion of list of Products & Capacity (Unit/Annum)

S.no.	Product	Quantity			
		Existing	Unit/Annum	Proposed	Unit/Annum
1.	All types of Plastic-Drippers, Caps, Fittings & Forming	15.0	lakhs	----	----
2.	Ferrous Sulphate Granules & Dry Powder	310.0	MT	1200.0	MT
3.	Inorganic Salt (Potassium Chloride)	1400	MT	2000.0	MT
4.	Microcrystalline Cellulose Powder(MCCP) Cellulose Powder(CP)	30.0	MT	180.0	MT
5.	Tablets	30.0	lakhs	12 .0	Creore
6.	Capsules	30.0	lakhs	01 .0	Creore
7.	Plastic Granules	24.0	MT	150.0	Tons
8.	Steroid and Harmones	.....	...	90.0	Tons
9.	API /Intermediates	.....	.....	1800.0	Tons
10.	Syrups	----	---	7.5 (liquid)	lakhs
11.	Chlorine Tablets	----	---	05.0	Creore

I 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.
- 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.

II 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. The gaseous emissions from the

boiler, DG set and scrubber shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines as follows:

Sr. No.	Stack/Vent attached to	Stack Height (meter)	Stack Diameter (meter)	Fuel name	Type of Emission	APCM
1	D.G. Set* (2 X 125 KVA)	Minimum 05 or As per CPCB Guidelines	0.1	HSD (96 Liter/Day)	PM SO2 NOx	Adequate Stack Height Acoustic enclosure
2	Boiler - 1 (2 X 2 TPH)	Minimum 30 or As per CPCB Guidelines	0.3	Agro Waste /wood, 6 TPD	PM SO2,NOx	Adequate Stack Height and Bag Filter
3	Thermopack Boiler (2 Lakh k Cal/Hr.)	Minimum 12 or As per CPCB Guidelines	0.15	HSD or Furnace Oil	PM SO2 NOx	Adequate Stack Height

- iv. Storage of raw materials, chemicals 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 125 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.
- 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.

III 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. "Zero Liquid Discharge" shall be ensured using ETP (50 KLD) and no waste/treated water shall be discharged outside the premises.
- iii. 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.
- iv. Total fresh water requirement shall not exceed 65.50 KLD and as proposed, in case, if in-house bore or tube well is required, than CGWA permission shall be obtained before extracting ground water.
- v. 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.
- vi. The Company shall harvest rainwater, after taking permission from State Pollution Control Board, from the roof tops of the admin buildings. Process building, raw material and finished goods storage building shall not be used for ground water recharging.
- vii. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

IV Noise monitoring and prevention

- i. Acoustic enclosure shall be provided to DG sets (2 x 125 kVA) 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.

V 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 kVA.
- iii. The power will be supplied by Madhya Pradesh Electricity Board.

VI 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. Hazardous waste such as Used oil, Discarded containers/drums, shall be handled & disposed as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016 as follows:

Type of Waste	Waste Category as per H.W. Rules, 2016				Mode of Disposal
		Existing	Proposed	Total After Expansion	
ETP Sludge	35.3	120	300	420	Collection, storage and disposal at CTSDF site.
MEE Salt	35.3	0	108	108	Collection, storage and disposal at CTSDF site.
Inorganic Salt	35.3	0	1200	1200	Collection, storage and disposal at CTSDF site.
Process Residue / Distillation Residue / Expiry Medicine.	28.1	0	360	360	Collection, storage and disposal at CTSDF site
Used / Spent Oil	5.1	0	6	6	Collection, storage and sell to registered recycler.
Discarded Bags/ Drums/ Containers	33.1	2.5	17.5	20	Collection, storage and sell to authorized vendor
Off Specification Product	28.4	0	6	6	Collection, storage and disposal at CTSDF site

- iii. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
- iv. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
- v. 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.
- vi. 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.
- vii. 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.
- viii. 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.
- ix. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
- x. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
- xi. 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.
- xii. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
- xiii. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.

VII Green Belt

- i. 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.
- 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 in the presentation 34803.12 m² area which will be 33% of total land area of project. PP will also make necessary arrangements for the causality replacement and maintenance of the plants as per the following plantation scheme submitted by PP:

Description	Qty.	Location
Neem	500	Boundary Wall
Putran Jeeva	500	Boundary Wall
Amaltash	500	Road Main Gate - Admin Block
Ficus Venjamin	500	Around Admin Block, road & lawn
Satparni	250	Around Admin Block, road & lawn
Ashoka Tree a. Polyalthia b. Sita Ashok	1800 200	Around Admin Block, lawn and around boundary limit (backside of the site)
Mehandi	250	Around Boundary Wall
Champa	500	Around production area
Kachnar	250	Around production area

VIII 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.

IX EMP & CER

- 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 and its amendments as applicable, regarding Corporate Environment Responsibility.

Need Based CER activities along with Budgetary Allocation and it's Implementation Schedule					
S. N.	Activities	Budgetary Provision In Lacs(Capital)	1 st Year	2 nd Year	3 rd Year
1	Green Belt Development inside the Smart Industrial Park and maintenance of the same for 5 years in consultation with MPIDC, RO, Indore through Forest Department.	20,00,000	7,00,000	7,00,000	6,00,000
2	Provision for donation of Medical Equipments such as Boylles Apparatus, Shadowless LED lamp for OT, Spilit AC 1.5 Ton, Multipera Monitor, ECG machine with report, Autoclave Vertical 50 liter, Fogger Machine, Radiant Warmer, Crash Cart at nearby Public Health Center (PHC) Pithampur.	4,31,000	-	3,31,000	1,00,000
3.	Provision for donation of Medical Equipments at nearby Public Health Centers (PHC) at Nalcha, Sardarpur, Digthan and Bagdi	5,00,000	2,00,000	2,00,000	1,00,000
4	Awareness program for offsite emergency at nearby locations.	1,50,000	50,000	50,000	50,000
5	Development of Bio-diversity garden, medicinal plants garden and other activities as suggestwd by Registrar of Dr. B.R. Ambedkar University through forest department at Dr. B.R. Ambedkar University of Social Sciences University (BRAUSS) near Ambedkar Nagar, M.P., for green area development of university from July, 2022 onwards and subsequent maintainenece for 05 years through forest department of concerned DFO	17,19,000	8,00,000	8,00,000	1,19,000 (for maintenace)
	Total	Rs 48.0 Lacs	17,50,000	20,81,000	09,69,000

- ii. The company shall have a well laid down environmental policy duly approved by the competent authority / 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. 130.25 lakhs and 35.0 lakhs/year as recurring cost and out of which the Environment Monitoring Cost for the project is 15.0 lakhs and Rs. 20.0 lakhs is proposed for green belt development.
- vi. Under CER activity, capital cost is Rs. 48.00 lakhs proposed for different activities.
- 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.

X. 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, Gol 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.

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 and a copy of the same shall be forwarded to the Regional Office, MoEF, Gol, 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 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.

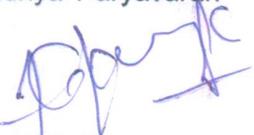
20. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF & CC, Gol.



(Shriman Shukla)
Member Secretary

Copy, through email, for information and necessary action to –

- (1). Principal Secretary, Department of Environment., Government of MP, Mantralaya Vallabh Bhawan, Bhopal.
- (2). Member 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, Gol, Ministry of Environment & Forest Indira Paryavaran Bhawan, JorBagh 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.



(Alok Nayak)
Officer-in-Charge

