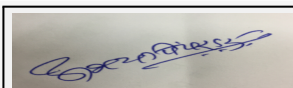
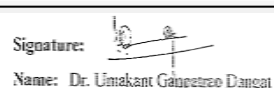


184th**SEAC Meeting number: 184th - Day-3 Meeting Date June 4, 2020****Subject:** Environment Clearance for Expansion with change in product mix of Bulk Drug & Specialty Chemical by Dikora Bulk Drug Private Limited**Is a Violation Case:** No

1.Name of Project	Expansion with change in product mix of Bulk Drug & Specialty Chemical Industrial Project by Dikora Bulk Drug Private Limited.
2.Type of institution	Private
3.Name of Project Proponent	Komal Vikram Patil
4.Name of Consultant	Enviro Resources
5.Type of project	5(f) B 1
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of Existing Project with Change in Product Mix
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance (EC) was not required for manufacturing of inorganic chemicals.
8.Location of the project	Plot No. 29, Kinhi, MIDC, Tal. Bhusawal Dist. Jalgaon
9.Taluka	Bhusawal
10.Village	Kinhi
Correspondence Name:	Plot No. 29
Room Number:	Kinhi, MIDC
Floor:	Dist. Jalgaon
Building Name:	Tal. Bhusawal
Road/Street Name:	Tal. Bhusawal
Locality:	Kinhi,
City:	Jalgaon
11.Whether in Corporation / Municipal / other area	NA
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: DE/JLG/SPA/2018/D 36741 IOD/IOA/Concession/Plan Approval Number: DE/JLG/SPA/2018/D 36741 Approved Built-up Area: 2258.85
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	10000 sq. mt
16.Deductions	1000 sq. mt
17.Net Plot area	9000 sq. mt
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 2258.85 sq. mt b) Non FSI area (sq. m.): c) Total BUA area (sq. m.): 2258.85
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 2258.85 Approved Non FSI area (sq. m.): Date of Approval: 31-10-2018
19.Total ground coverage (m2)	1894.95
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.9
21.Estimated cost of the project	34857000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
23.Number of tenants and shops	Not applicable		
24.Number of expected residents / users	Not applicable		
25.Tenant density per hectare	Not applicable		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	12 mt		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning Radius of 9 Meters		
29.Existing structure (s) if any	Manufacturing shed, Godown, Laboratory Building, R & D Shed, Solvent Godown, Watchman Cabin, HR & account shed, EHS shed etc.		
30.Details of the demolition with disposal (If applicable)	Not applicable		

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Phosphorous Tribromide	833.3	0	833.3
2	Bromine Liquid	33333.3	0	33333.3
3	Sodium Chloride	833.3	0	833.3
4	Amlodipine Besylate	Nil	416.6	416.6
5	Atenolol	Nil	833.3	833.3
6	Bupropion HCl	Nil	250	250
7	Carvedilol	Nil	166.6	166.6
8	Escitalopram Oxalate	Nil	83.3	83.3
9	Eszopiclone	Nil	4.16	4.16
10	Etodolac	Nil	183.3	183.3
11	Lamotrigine	Nil	416.6	416.6
12	Olanzapin	Nil	83.3	83.3
13	Quetiapine	Nil	166.6	166.6
14	Sumatriptan	Nil	4.16	4.16
15	Telmisartan	Nil	83.3	83.3
16	Tramadol HCL	Nil	166.6	166.6
17	Venlafaxine	Nil	166.6	166.6



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18	Zopiclone	Nil	4.16	4.16
19	Tetra Butyl Ammonium Tri Bromide	Nil	416.6	416.6
20	Para Bromo Phenol	Nil	833.3	833.3

32.Total Water Requirement

Dry season:	Source of water	MIDC Kinh
	Fresh water (CMD):	0
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	0
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	0
Wet season:	Source of water	MIDC
	Fresh water (CMD):	0
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	0
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	0
Details of Swimming pool (If any)	Nil	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	1.0	2.0	3.0	0.5	1.0	1.5	0.5	1.0	1.5



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Industrial Process	10.0	5.5	15.5	1.8	1.3	3.1	8.2	4.2	12.4
Cooling tower & thermopack	1.0	0.5	1.5	1.0	0.5	1.5	0	0	0
Gardening	1.0	2.5	3.5	1.0	2.5	3.5	0	0	0

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre-monsoon: 3.2 m-67 m, Post-monsoon; 0.8 m -27.1 m
	Size and no of RWH tank(s) and Quantity:	3mX7m 1 nos
	Location of the RWH tank(s):	Underground tank in Garden
	Quantity of recharge pits:	--
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	Rs 2.5 lacs
	Budgetary allocation (O & M cost) :	Rs 0.75 lacs
	Details of UGT tanks if any :	50 m3

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35.Storm water drainage	Natural water drainage pattern:	By Storm Water Drainage
	Quantity of storm water:	0.27m3 per sec
	Size of SWD:	300mm x 300mm

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Sewage and Waste water	Sewage generation in KLD:	1.5
	STP technology:	Septic tank followed by soak pit
	Capacity of STP (CMD):	--
	Location & area of the STP:	--
	Budgetary allocation (Capital cost):	--
	Budgetary allocation (O & M cost):	--

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	--
	Disposal of the construction waste debris:	--
Waste generation in the operation Phase:	Dry waste:	90
	Wet waste:	60
	Hazardous waste:	Chemical sludge from ETP: , Distillation residue, spent oil, discarded container etc.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	Dry waste:	Authorised vendor
	Wet waste:	Authorised vendor
	Hazardous waste:	CHWTSDF
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	Effluent Treatment Plant
	Area for the storage of waste & other material:	23.10 sq.mt.
	Area for machinery:	24.0 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	51.0 Lakhs
	O & M cost:	2.55 Lakhs/A

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	NA	5-8	7.0	7-10
2	Suspended Solids	Mg/ltr	140-180	90	100
3	BOD	Mg/ltr	0-50	80	100
4	COD	Mg/ltr	200-400	210	250
5	Oil & grease	Mg/ltr	15	9	10
Amount of effluent generation (CMD):		15.0 CMD			
Capacity of the ETP:		Existing 8.2 KLD & Proposed 4.2 KLD ; Total 12.4 KLD			
Amount of treated effluent recycled :		12.4 CMD			
Amount of water send to the CETP:		None of the water send to CETP as it will be reused for Gardening, Cooling tower & Industrial Processing			
Membership of CETP (if require):		N.A.			
Note on ETP technology to be used		Effluent shall be treated in the in house full -fledged effluent treatment plant followed by purification of treated water in advanced RO system. It will be reused for gardening and treated effluent will be recycled.			
Disposal of the ETP sludge		Collected, stored safely and disposed to CHWTSDF.			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	34.20	MT/A	10	5	15	CHWTSDF
2	Distillation residue	20.3	MT/A	0.7	0.3	1.0	CHWTSDF
3	Off specification products	28.4	MT/A	--	50	50	Regular Recycler
4	Spent oil/waste/process/residues containing oil etc.	5.1/5.2	MT/A	0.5	1.0	1.5	Sale to authorised recycler, reprocessor/ CHWTSDF
5	MEE Salt	34.20	MT/A	--	50	50	CHWTSDF
6	Carbon/ Hyflow	28.3	MT/A	--	24.96	24.96	CHWTSDF



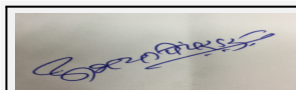
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7	Discarded containers Barrels, used for HW chemicals	33.1	Nos. /A	100	200	300	TSale to authorized recycler
39.Stacks emission Details							
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	Boiler- 1 TPD	Coal,3.3 TPD	1	30	0.45	230 C	
40.Details of Fuel to be used							
Serial Number	Type of Fuel	Existing	Proposed		Total		
1	Coal	1.0 TPD	2.3 TPD		3.3 TPD		
41.Source of Fuel		Traders					
42.Mode of Transportation of fuel to site		By road					
43.Green Belt Development	Total RG area :	3300 m2					
	No of trees to be cut :	Nil					
	Number of trees to be planted :	80					
	List of proposed native trees :	Bahava, Sawar, Saptaparni,Chandwar,Kusum,Shirali					
	Timeline for completion of plantation :	Within Nine Months					
44.Number and list of trees species to be planted in the ground							
Serial Number	Name of the plant	Common Name	Quantity		Characteristics & ecological importance		
1	Cassia fistula	Bahava	60		It is a small medium sized evergreen tree, which is tolerant to Air Pollution and is effective in reducing noise pollution		
2	Bombax ceiba	Sawar	80		It is a evergreen shrub or a tree & is used as a stimulant, in decoction used as a purgative, febrifuge, and emmenagogue; also used in dropsical and venereal affections and said to be a powerful anti-herpatic.		
3	Asltonia shcolaris	Saptaparni	70		Plants, like peepal, can uptake Carbon dioxide during the night as well because they perform a special type of photosynthesis , balances the Climatic Conditions , controls soil erosion and improves soil fertility.		
4	Macaranga peltata	Chandwar	100		It is used in ayurvedic medicine and the traditional medicine of South East Asia,		
5	Schleichera oleosa	Kusum	80		It is used in ayurvedic medicine and the traditional medicine, Bioindicator		



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6	Microcos paniculata	Shirali	70	It is used in ayurvedic medicine and the traditional medicine, Bioindicator
7	Terminalia elliptica	Ain	40	It is used in ayurvedic medicine and the traditional medicine, Bioindicator
8	Terminalia paniculata	Kindal	10	It is used in ayurvedic medicine and the traditional medicine, Bioindicator
9	Terminalia bellirica	Baheda	40	It is used in ayurvedic medicine and the traditional medicine, Bioindicator

45.Total quantity of plants on ground

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	15 KW
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	225 kW
	During Operation phase (Demand load):	125 KVA
	Transformer:	--
	DG set as Power back-up during operation phase:	2 nos. x 125 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

CFL bulbs will be used for common lightening

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	It is proposed to install Solar Light poles within the Industrial area to saving energy by non-conventional method	10

50.Details of pollution control Systems

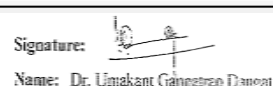
Source	Existing pollution control system	Proposed to be installed
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Air pollution source: Boiler, Stack emissions, DG set emissions, vehicular movement	Dust Collector, Stack of recommended height	Dust Collector, Stack of recommended height
Fume emission control	Ventury scrubber	Ventury scrubber
Water Pollution	ETP	ZLD system
Noise pollution due to presence of DG sets	Acoustic enclosure provided	Acoustic enclosure provided
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA

51.Environmental Management plan Budgetary Allocation

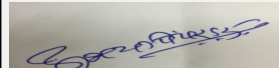
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	NA	NA	NA

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	Dust collector	2.50	0.30
2	Water Pollution Control ETP	Membrane Diffusers, Blower	6.0	0.75
3	Water Pollution Control R O System for ZLD	ZLD scheme	45.0	1.8
4	Noise Pollution Control	Acoustic Enclosure	2.0	0
5	Solid waste management	CHWSTDF membership	4.2	2.5
6	Environment Monitoring	Environment Monitoring	0.0	0.8
7	Fugitive emission control	ventury scrubber	0.5	0.2
8	Green Belt development	tree plantation	5.1	1.29
9	Occupational Health	EHS	5.0	1.5
10	RWH	RWH tank	2.5	0.75

51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)



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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Methanol	U/Purchasing	Solvent Yard	20	10	6	Approved Vendor	By Road
Toluene	U/Purchasing	Solvent Yard	10	5	3	Approved Vendor	By Road
Conc. Sulfuric acid	U/Purchasing	Chemical Store Room	1	0.5	0.5	Approved Vendor	By Road
Chlorine Gas	U/Purchasing	Chlorine Tuner Storage	10	6	3	Approved Vendor	By Road
Bromine	U/Purchasing	Bromine store room	10	6	3	Self manufacturing	By Road

52. Any Other Information

No Information Available

53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	294.0 m ²
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	Jalgaon Municipal Transport
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	(5 F) B1



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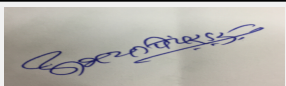
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	Court cases pending if any	NA
	Other Relevant Informations	1. We are certified with ISO 9001 - 2015 by certification Body Tuv Nord. 2. We are going to implement ISO 14001 & 18001 in coming Year 2019- 2020. 3. Our R & D team working on to reduce pollution load
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has collected base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP proposes scrubber to the process vents. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits at site.
Water Budget	The detailed water budget is given in the column No. 33 of the consolidated statement.
Waste Water Treatment	PP proposes to provide Zero Liquid Discharge Effluent Treatment Plant.
Drainage pattern of the project	PP considered contour levels during design of storm water drains.
Ground water parameters	As per data submitted by PP ground water parameters are within the prescribed limits.
Solid Waste Management	PP committed to dispose the hazardous waste at Common Hazardous Waste Treatment, Storage, and Disposal Facility and sale to Authorized vendors. Details are given at Sr. No. 38 of the Consolidated Statement.
Air Quality & Noise Level issues	As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	The electrical demand for project is 125 KVA which will be supplied by MSEDCL. PP proposes two DG sets with capacity 125 KVA.
Traffic circulation system and risk assessment	PP proposes internal roads with minimum six meter width and nine meters of turning radius for smooth circulation of traffic.
Landscape Plan	PP proposes to provide 33% green belt within the premises by planting 450 nos. of indigenous trees.
Disaster management system and risk assessment	PP carried out HAZOP and Risk Assessment and submitted DMP.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP proposes to provide Rs. 36.95 Lakhs as capital EMP cost and Rs. 15.34 Lakhs as recurring EMP cost for the maintenance of environmental parameters during operation phase
Any other issues related to environmental sustainability	PP shall develop green belt by planting indigenous trees within the premises and also to provide drip irrigation facility to ensure maximum survival.

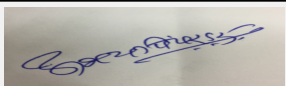
Brief information of the project by SEAC

 Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 184th - Day-3 Meeting Date: June 4, 2020	Page 10 of 64	 Dr. Umakant Dangat (Chairman SEAC-I)
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PP was granted ToR in 165th meeting of SEAC-1 held on 7th May 2019. PP submitted EIA/EMP report during 181st meeting held on 5th March 2020 wherein the proposal was deferred till submission of compliance of following points,

1. PP to submit layout plan showing internal roads with six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment's, parking area, 33% green belt with its dimensions, rain water harvesting structures (location with dimensions), storm water drain lines along with index and area statement showing calculations for each area and cross section of storm water drains and rain water harvesting pits.
2. PP to submit plan layout showing contour levels, storm water drain lines, internal road network and location of rain water harvesting facilities along with its calculations.
3. PP to submit an undertaking for providing Zero Liquid Discharge Effluent Treatment Plant and no liquid waste will be discharged out side the premises.
4. PP to carry out life cycle analysis of all the products with respect to the acidification potential, eutrophication potential, green house and ozone depletion potential etc. and proposed mitigation measures to reduce identified potentials along with proposed mitigation measures to reduce the pollution potential.
5. PP to submit technical note on how proposed expansion will be accommodated in the existing manufacturing plant along with equipment layout, spaces required for storage of raw materials and finished products etc.
6. PP to submit revised EMP indicating bifurcation of costs.
7. PP to submit floor wise drawing of the plant indicating locations of equipment with internal distances.
8. PP to appoint qualified safety officer as per Factories Act.
9. PP to submit revised HAZOP & QRA along with copy of onsite emergency plan.
10. PP to use new and renewable energy for illumination of office building, street lights, parking areas and maintain the same regularly. PP to provide lightening arrestor.

Now, PP submitted compliance of above points.

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DECISION OF SEAC

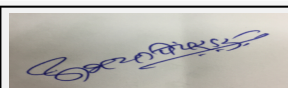
After deliberations with the PP and their accredited consultant, SEAC-1 decided to recommend the proposal for prior Environmental Clearance to the SEIAA subject to the following conditions.

Specific Conditions by SEAC:

- 1) PP to prepare detailed management plan and implement the Guidelines for restoration of manufacturing industries after lockdown period issued by Ministry of Home Affairs, National Disaster Management Authority on 09.05.2020.
- 2) PP to provide Continuous Environmental Monitoring System and connect the same to the CPCB and MPCB server.
- 3) PP to provide Zero Liquid Discharge Effluent Treatment Plant.
- 4) PP to ensure implementation of all recommendations of LCA, HAZOP and Risk Assessment study.
- 5) PP to provide sewage treatment plant for the treatment of domestic sewage.
- 6) PP to prepare safety related training modules in Marathi / vernacular language based on hazard identification so as to increase its effectiveness and impart training to all concern employees.
- 7) PP to obtain PESO license/approval for the storage of flammable chemicals from the Competent Authority.
- 8) PP to prepare and implement CER plan in consultation with the District Authority for development of social and environmental infrastructure as per OM issued by MoEF&CC dated 01.05.2018.
- 9) PP to submit certified copy of compliance status of Consent to Operate obtained from Maharashtra Pollution Control Board.

FINAL RECOMMENDATION

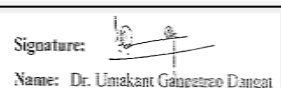
SEAC-I have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions



**Abhay Pimparkar (Secretary
SEAC-I)**

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June 4, 2020**

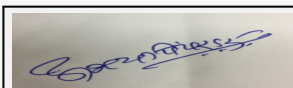
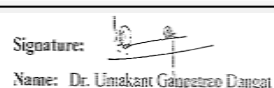
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(Chairman SEAC-I)**

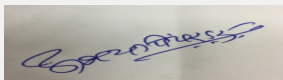
184th**SEAC Meeting number: 184th - Day-3 Meeting Date June 4, 2020****Subject:** Environment Clearance for proposed expansion of Existing Bulk Drugs and Intermediates (API) Manufacturing unit from 160 MT/Yr. to 266.6 MT/Yr. - Application for Grant of ToRs.**Is a Violation Case:** No

1.Name of Project	M/s. CIPLA Ltd. (Unit-I)
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mangesh Vaze. (Senior Technical Director)
4.Name of Consultant	Equinox Environments (India) Pvt. Ltd.
5.Type of project	Other - Industrial
6.New project/expansion in existing project/modernization/diversification in existing project	Proposed expansion project of Existing Bulk Drugs and Intermediates (API) Manufacturing unit
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Environmental Clearance (EC) from MoEF, New Delhi dated 05.04.2006.
8.Location of the project	Unit - I, Plot No. - D - 7 & D - 8, MIDC Kurkumbh, Taluka: Daund, District: Pune, State: Maharashtra.
9.Taluka	Daund
10.Village	Kurkumbh
Correspondence Name:	Mr. Mangesh Vaze. (Senior Technical Director)
Room Number:	Plot No. D-7 & D-8
Floor:	Ground Floor
Building Name:	Administration
Road/Street Name:	MIDC Kurkumbh
Locality:	MIDC Kurkumbh, Taluka: Daund
City:	Pune
11.Whether in Corporation / Municipal / other area	Other Area
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable, Since it's an Industrial Project IOD/IOA/Concession/Plan Approval Number: Not Applicable Approved Built-up Area: 59652
13.Note on the initiated work (If applicable)	Not Applicable; No work initiated on site.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	The existing Manufacturing Unit of M/s. CIPLA LIMITED (Unit-I) is located in Notified Industrial Area i.e. MIDC Kurkumbh
15.Total Plot Area (sq. m.)	204976 Sq. M.
16.Deductions	NA
17.Net Plot area	204976 Sq. M.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA b) Non FSI area (sq. m.): NA c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): NA Approved Non FSI area (sq. m.): NA Date of Approval: 01-01-1900
19.Total ground coverage (m2)	59652
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	29.10
21.Estimated cost of the project	1900000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	API-I	2	11.50
2	API-II	2	11
3	API-III	3	14
4	API-IV	4	18
5	API-V	4	18.5
6	BD FINISHING	2	10.50
7	PHARMA-I	4	16.6
8	PHARMA-II	4	13.14
9	API QC / API QA	3	11.65
10	DP STORE	1	5.5
11	DP STORE	1	4
12	ETP Lab	1	4
13	D-7 Boiler House	1	7
14	D-8 Boiler House	2	12
15	Substation	1	5.5
16	Drum Shed	1	8.57
17	Admin	1	4.95
18	Guest house	2	8
19	Engg. Office & store	1	8
20	ETP RO plant	1	5.9
21	Scrap Yard	1	3.5
22	Acid Shed	1	4
23	Finishing Utility	1	4
24	BD-IV Utility	1	8
25	BD Change room	1	4
26	Contractor Canteen	1	3.5
27	Cement Godawn	1	3
28	Site Office	1	3
29	Contractor Shed	1	3

23.Number of tenants and shops	NA
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	25-Meter-wide roads provided by MIDC. The Fire Station is at about 0.5 km from project site.



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28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Internal roads with minimum 6-meter width and 9-meter turning radius.
29.Existing structure (s) if any	Yes, Existing Plant Built up Area - 59652 Sq. M.
30.Details of the demolition with disposal (If applicable)	Few equipment's / machineries in existing unit will be replaced by new under expansion.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Celecoxib - Anti - Inflammatory	5.7	0.0	5.7
2	Fluticasone Propionate - Anti - Inflammatory	0.11	0.0	0.11
3	Meloxicam - Anti - Inflammatory	0.95	0.0	0.95
4	Beclomethasone Dipropionate - Anti - Inflammatory	0.04	0.0	0.04
5	Mometasone Furate - Anti - Inflammatory	0.06	0.0	0.06
6	Budesonide - Anti - Inflammatory	0.08	0.0	0.08
7	Famciclovir - Anti - Retroviral / Anti - Bacterial	0.28	0.0	0.28
8	Lamivudine - Anti - Retroviral / Anti - Bacterial	0.71	0.0	0.71
9	Fluconazole - Anti - Retroviral / Anti - Bacterial	1.44	0.0	1.44
10	Pioglitazone Hydrochloride - Anti - Diabetic	0.06	0.0	0.06
11	Nateglinide - Anti - Diabetic	0.09	0.0	0.09
12	Citalopram Hydrobromide - Anti - Psychotic	0.3	0.0	0.3
13	Sertraline Hydrochloride - Anti - Psychotic	0.18	0.0	0.18
14	Olanzapine - Anti - Psychotic	0.033	0.0	0.033
15	Aripiprazole - Anti - Psychotic	0.08	0.0	0.08
16	Carvedilol - Cardiac	0.42	0.0	0.42



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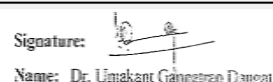
17	Losartan Potassium - Cardiac	0.13	0.0	0.13
18	Ramipril - Cardiac	0.17	0.0	0.17
19	Salbutamol Sulphate - Bronchodilator	0.59	0.0	0.59
20	Formoterol Fumarate Dihydrate - Bronchodilator	0.009	0.0	0.009
21	Ondansetron Hydrochloride Dihydrate - Anti - Emetic	0.54	0.0	0.54
22	Pamidronate Disodium Pentahydrate - Bone Resorption Inhibitor	0.04	0.0	0.04
23	Alendronate Sodium Trihydrate - Bone Resorption Inhibitor	0.96	0.0	0.96
24	Pramipexole Dihydrochloride Monohydrate - Anti - Parkinson	0.04	0.0	0.04
25	Zolpidem Tartrate - Sedative	0.30	0.0	0.30
26	Rizatriptan Benzoate - Sedative	0.03	0.0	0.03
27	Ciclesonide - Anti - Inflammatory	0.0	0.038	0.038
28	Oseltamivir Phosphate - Anti - Retroviral / Anti - Bacterial	0.0	0.41	0.41
29	Valsartan - Anti - Hypertensive	0.0	0.5520	0.5520
30	Tiotropium Bromide Monohydrate BP/PH EUR - Anti - Hypertensive	0.0	0.0060	0.0060
31	Valganciclovir Hydrochloride - Anti - Retroviral / Anti - Bacterial	0.0	0.2400	0.2400
32	Arformoterol Tartarate - Anti - Asthmatics	0.0	0.0002	0.0002
33	Ondansetron Base - Anti - Emetic	0.0	0.1926	0.1926
34	Zoledronic Acid - Bone Resorption Inhibitor	0.0	0.003	0.003
35	Ibandronate Sodium Monohydrate - Bone Resorption Inhibitor	0.0	0.010	0.010
36	Atazanavir Sulphate - Bone Resorption Inhibitor	0.0	0.2	0.2



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37	Risedronate Sodium Hemipentahydrate USP - Bone Resorption Inhibitor	0.0	0.20	0.20
38	Cinacalcet Hydrochloride - Hyperparathyroidism	0.0	1.20	1.20
39	Entecavir Monohydrate - Anti - Viral	0.0	0.004	0.004
40	Dabigatran Etxilate Mesylate - Anti - Viral	0.0	0.107	0.107
41	Raloxifene Hydrochloride - Anti - Viral	0.0	0.7400	0.7400
42	Indacaterol Maleate - Anti - Viral	0.0	0.0060	0.0060
43	Selexipag - Anti - Viral	0.0	0.0003	0.0003
44	Eluxadolone - Anti - Viral	0.0	0.0006	0.0006
45	Bictegravir - Anti - Viral	0.0	0.0060	0.0060
46	Bethanechol Chloride - Anti - Viral	0.0	0.388	0.388
47	Sacubitril - Anti - Viral	0.0	1.3	1.3
48	Mebendazole - Anti-Helmintic	0.0	0.4200	0.4200
49	Alosetron Hydrochloride - Anti-Helmintic	0.0	0.005	0.005
50	Albendazole - Anti-Helmintic	0.0	0.2700	0.2700
51	Venlafaxine - Anti - Depressant	0.0	2.0000	2.0000
52	Ibrutinib - Oncology	0.0	0.0020	0.0020
53	Sorafenib Tosylate III Oncology	0.0	0.0040	0.0040
54	Palbociclib - Oncology	0.0	0.0014	0.0014
55	Everolimus Premix - Oncology	0.0	0.0010	0.0010
56	Osimertinib Mesylate - Oncology	0.0	0.0003	0.0003
57	Lenvatinib Mesylate - Oncology	0.0	0.00002	0.00002
58	Pomalidomide - Oncology	0.0	0.0003	0.0003
59	Pazopanib HCl - Oncology	0.0	0.0050	0.0050
60	Axitinib - Oncology	0.0	0.0050	0.0050
61	Abiraterone Acetate - Oncology	0.0	0.0050	0.0050
62	Dasatinib - Oncology	0.0	0.0027	0.0027
63	Carfilzomib - Oncology	0.0	0.0003	0.0003



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64	Estramustine - Oncology	0.0	0.1663	0.1663
65	Everolimus - Oncology	0.0	0.0010	0.0010
66	Exemestane Stage-I - Oncology	0.0	0.0173	0.0173
67	Nilotinib Hydrochloride - Oncology	0.0	0.0028	0.0028
68	Pemetrexed Hepta Hydrate - Oncology	0.0	0.0020	0.0020
69	Regorafenib - Oncology	0.0	0.0018	0.0018
70	Ruxolitinib Phosphate - Oncology	0.0	0.0020	0.0020
71	Tegafur - Oncology	0.0	0.0020	0.0020
72	Vinblastine Sulfate - Oncology	0.0	0.0020	0.0020
73	Vincristine Sulfate - Oncology	0.0	0.002	0.002
74	Etoposide - Oncology	0.0	0.002	0.002
75	Capecitabine - Oncology	0.0	0.002	0.002
76	Cisplatin - Oncology	0.0	0.001	0.001
77	Carboplatin - Oncology	0.0	0.002	0.002
78	Oxaliplatin - Oncology	0.0	0.002	0.002
79	R & D Product	0.0	0.05	0.05
80	Tablets (FDA approved)	2000 Million Nos./Year	0.0	2000 Million Nos./Year
81	Capsules (FDA approved)	170 Million Nos./Year	0.0	170 Million Nos./Year
82	Soft Gelatin Products (FDA approved)	21.2 Million Nos./Year	0.0	21.2 Million Nos./Year
83	Suppositories and Oral Paste (FDA approved)	12 Million Nos./Year	0.0	12 Million Nos./Year
84	Sachets (FDA approved)	85 Lakhs Nos./Year	0.0	85 Lakhs Nos./Year
85	Loteprednol Etabonate - Anti - Inflammatory	0.04	0.00	0.04

32.Total Water Requirement



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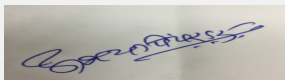
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Dry season:	Source of water	MIDC Water Supply Scheme - The MIDC procures water from Victoria Dam and after treatment the same is provided to different industries in the MIDC.
	Fresh water (CMD):	894
	Recycled water - Flushing (CMD):	296 (In Cooling Makeup)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1190
	Fire fighting - Underground water tank(CMD):	1350
	Fire fighting - Overhead water tank(CMD):	1350
	Excess treated water	Not applicable
Wet season:	Source of water	MIDC Water Supply Scheme - The MIDC procures water from Victoria Dam and after treatment the same is provided to different industries in the MIDC.
	Fresh water (CMD):	859
	Recycled water - Flushing (CMD):	296 (In Cooling Makeup)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1155
	Fire fighting - Underground water tank(CMD):	1350
	Fire fighting - Overhead water tank(CMD):	1350
	Excess treated water	Not applicable
Details of Swimming pool (If any)		Not Applicable

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	70	0.0	70	10	0.0	10	60	0.0	60
Industrial Process	215	38	253	28	2	30	187	36	223
Gardening	30	5	35	30	5	35	0.0	0.0	0.0

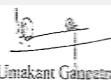


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Cooling tower & thermopack	684	148	832	628	136	764	56	12	68
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre-Monsoon - 2.00 to 5.00 mbgl Post-Monsoon - < 2.00 mbgl							
	Size and no of RWH tank(s) and Quantity:	3 Nos., Approx. - 415 KL							
	Location of the RWH tank(s):	Pharma shipper store side, BD-III near, D-8 Boiler							
	Quantity of recharge pits:	NA							
	Size of recharge pits :	NA							
	Budgetary allocation (Capital cost) :	NA							
	Budgetary allocation (O & M cost) :	NA							
	Details of UGT tanks if any :	As Above							
35.Storm water drainage	Natural water drainage pattern:	Dendritic Pattern							
	Quantity of storm water:	5800 M							
	Size of SWD:	2 Ft. x 3 Ft.							
Sewage and Waste water	Sewage generation in KLD:	60							
	STP technology:	There is no provision of STP on site. The domestic sewage is treated in existing ETP and same would be followed under expansion.							
	Capacity of STP (CMD):	NA							
	Location & area of the STP:	NA							
	Budgetary allocation (Capital cost):	NA							
	Budgetary allocation (O & M cost):	NA							
36.Solid waste Management									
Waste generation in the Pre Construction and Construction phase:	Waste generation:	NA							
	Disposal of the construction waste debris:	No Major construction would be done since most of infrastructure would be used from existing unit. In existing premises, only few equipment's and machinery would be installed as per requirement. Once the construction gets over, the entire excess soil, if any, would be utilized through proper landscaping in the premises of the industry.							


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Waste generation in the operation Phase:	Dry waste:	Plastic, Glass, Wooden, Metal Scrap (MT/Yr) - Existing - 250, Expansion - 150, Total - 400, 2. Ash - (MT/D) - Existing - 3.28, Expansion - 0.20, Total - 3.48, 3. Battery Waste - (MT/Yr) - Existing - 2.0, Expansion - 1.0, Total - 3.0, 4. E-Waste - (MT/Yr) - Existing - 2.0, Expansion - 1.0, Total - 3.0, 5. Biomedical Waste - (g/M) - Existing - 200, Expansion - 0, Total - 200
	Wet waste:	NA
	Hazardous waste:	1. Cat. No. 5.1 - Used / Spent Oil - (Lit/M) - Existing - 400, Expansion - 200, Total - 600, 2. Cat. No. 28.6 - Spent Solvents - (KL/M) - Existing - 905, Expansion - 603, Total - 1508, 3. Cat. No. 28.2 - Spent Catalyst + Cat. No. 28.3 - Spent Carbon - (kg/M) - Existing - 500, Expansion - 300, Total - 800, 4. Cat. No. 28.5 - Date-Expired, discarded drug / medicines/ chemicals + Cat. No. 28.4 - Off-specification drug / medicines/chemicals - (MT/M) - Existing - 5.0, Expansion - 3.0, Total - 8.0, 5.
	Biomedical waste (If applicable):	200 g/M
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Sale to Authorized Party
	Wet waste:	NA
	Hazardous waste:	Sale to Authorized Party / Sale to Authorized Reprocessor / CHWTSDF (Membership No.- MEPL/CPC012 - Valid up to 23.08.2022) / Co processing
	Biomedical waste (If applicable):	(Membership No.- SRO PUNEI/BMW_AUTH/1712000268; Valid up to 31.12.2022)
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	BOD	mg/lit	1136	16	100
2	COD	mg/lit	4362	88	250
3	TDS	mg/lit	1582	293	2100
4	pH	--	5.81	6.70	5.5-9.0
5	SS	mg/lit	113	2	100

Amount of effluent generation (CMD):	351
Capacity of the ETP:	400
Amount of treated effluent recycled :	296
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA

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Note on ETP technology to be used	The trade effluent generated would be the tune of 351 CMD whereas domestic effluent generated would be the tune of 60 CMD after proposed expansion. The effluent generated after expansion activities would be segregated into two streams viz. Stream I (Low TDS and Low COD Effluent) and Stream II (High TDS and High COD Effluent). Stream I effluent would be treated in an existing ETP comprising of Primary, Secondary & Tertiary treatment whereas Stream II effluent would be treated through MEE and VTFD
Disposal of the ETP sludge	Salts from MEE and ETP sludge is forwarded to Common Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF), Ranjangaon, Pune for final disposal.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used / Spent oil	Cat.:5.1	Lit/M	400	200	600	Sale to Authorized Party
2	Spent Solvents	Cat.: 28.6	KL/M	905	603	1508	Sale to Authorized Party
3	Spent Catalyst + Spent Carbon	Cat.: 28.2 + Cat.: 28.3	Kg/M	500	300	800	CHWTSDF / Co processing/Sale to Authorized Reprocessor + CHWTSDF / Co processing
4	Date-Expired, discarded drug / medicines/ chemicals + Off-specification drug / medicines / chemicals	Cat.: 28.5 + Cat.: 28.4	MT/M	5	3	8	CHWTSDF / Co processing + CHWTSDF / Co processing
5	Discarded Container, Barrels / liners used for Hazardous Waste / Chemicals	Cat.:33.1	Nos./M	400	200	600	Sale to Authorized Party
6	Chemical Sludge from Waste Water Treatment + Sludge from MEE system + Sludge from wet scrubber + Spent mother liquor	Cat.: 35.3	MT/M	36.50	41.50	78.00	CHWTSDF / Co processing

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Thermopack (2 Lac kcal/Hr)	HSD	1	30	0.6	99
2	Boiler 2 Nos. (3000 kg/Hr) (Stand by)	FO	1 (common)	30	0.6	165
3	Boiler (8000 kg/Hr)	Biomass Briquette / Coal	1	30	0.8	160
4	DG Set 4 Nos. (1250, 1250, 1250 and 1500 KVA)	HSD	4	7.5, 7.5, 7.5 and 14.71 ARL	0.41,0.41, 0.75	160
5	Scrubber - SBR 01 (API - 1)	Water/NAOH	SBR 01	2.5	0.1	--



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6	Scrubber - SBR 02 (API - 1)	Water/NAOH	SBR 02	2.5	0.1	--
7	Scrubber - SBR 03 (API - 1)	Water/NAOH	SBR 03	10	0.1	--
8	Scrubber - SBR 05 (API - 2)	Water/NAOH	SBR 05	11	0.5	--
9	Scrubber - SBR 09 (API - 2)	Water/NAOH	SBR 09	11	0.3	--
10	Scrubber - SBR 06 (API - 3)	Water/NAOH	SBR 06	14.5	0.5	--
11	Scrubber - SBR 22 (API - 3)	Water/NAOH	SBR 22	15	0.5	--
12	Scrubber - SBR 07 (API - 4)	Water	SBR 07	12	0.5	--
13	Scrubber - SBR 08 (API - 4)	Water	SBR 08	11.3	0.5	--
14	Scrubber - SBR 14 (API - 4)	Water	SBR 14	11.5	0.5	--
15	Scrubber - SBR 15 (API - 4)	Water	SBR 15	11.5	0.5	--
16	Scrubber - SBR 19 (API - 5)	Water/NAOH	SBR 19	10.5	0.5	--
17	Scrubber - SBR 20 (API - 5)	Water/NAOH	SBR 20	10.5	0.5	--
18	Scrubber - SBR 21 (API - 5)	Water/NAOH	SBR 21	10.5	0.5	--
19	Scrubber - SBR 17 (R & D)	Water/NAOH	SBR 17	2.5	0.3	--
20	Scrubber - SBR 04 (Deactivation booth of ETP)	Water	SBR 04	5.25	0.3	--
21	Scrubber - SBR 10 (Pharma - I)	Water	SBR 10	2	0.3	--
22	Scrubber - SBR 11 (Pharma - I)	Water	SBR 11	3.5	0.3	--
23	Scrubber - SBR 12 (Pharma - I)	Water	SBR 12	2.2	0.3	--
24	Scrubber - SBR 13 (Pharma - I)	Water	SBR 13	2.2	0.3	--
25	Scrubber - SBR 23 (Pharma - I)	Water	SBR 23	2.5	0.3	--
26	Scrubber - SBR 16 (Pharma - II)	Water	SBR 16	2.2	0.3	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD (Thermopack)	5 KL / M	0.00	5 KL / M
2	FO (Boiler)	4.5 KL / Day	0.00	4.5 KL / Day
3	Biomass Briquette / Coal (Boiler)	34 MT / Day / 28.8 MT / Day	0.00	34 MT / Day / 28.8 MT / Day
4	HSD (DG Set)	24 KL / M	0.00	24 KL / M

41.Source of Fuel

From Local Vendors (Indian Oil Corporation Ltd.)



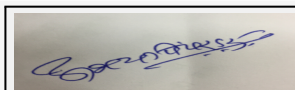
**Abhay Pimparkar (Secretary
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42.Mode of Transportation of fuel to site		Through Trucks By Road		
43.Green Belt Development	Total RG area :	70943.12 m2 (7.09 Ha) i.e. 34.61 % of the plot area		
	No of trees to be cut :	Not Applicable, since no tree will be cut for expansion		
	Number of trees to be planted :	10641		
	List of proposed native trees :	List of trees as below		
	Timeline for completion of plantation :	5 Years		
44.Number and list of trees species to be planted in the ground				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	1131	Native, evergreen, fast growing, tolerant
2	Dalbergia sissoo	Shisav, Shisham	348	Native, evergreen, tolerant
3	Mimuso pselengi	Bakul	317	Native, ornamental, host plant for bees and butterflies.
4	Pongamia pinnata	Karanj	347	Pollution tolerant
5	Acacia Catechu	Khair	784	Native and pollution resistant
6	Tectona grandis	Saag	786	Native and pollution resistant
7	Ficus racemosa	Umbar	784	Native, evergreen, fast growing, pollution tolerant
8	Cassia fistula	Bahava	316	Native, ornamental, host plant for bees and butterflies.
9	Gmelina arborea	Shivan	784	Native and pollution resistant
10	Pithecello biumdulce	Wilayati Chinch	347	Native, ornamental, host plant for bees and butterflies.
11	Alstonia scholaris	Saptaparni	317	Native, evergreen, higher dust settling index
12	Swietenia mahogani	Mahogani	349	Native, evergreen, higher dust settling index
13	Aegle marmelos	Bel	784	Native and pollution resistant
14	Holigarna grahamii	Ran Bibba	347	Native and pollution resistant
15	Ficus macrocarpa	Nandruk	784	Native and pollution resistant
16	Melia azedarach	Limbara	785	Native and pollution resistant
17	Bauhinia racemosa	Apta	347	Native and pollution resistant
18	Neolamarckia cadamba	Kadamb	350	Native, Evergreen tree
19	Lagerstroemia speciosa	Tamhan	316	Native, State flower of Maharashtra
20	Polyalthia longifolia	Ashoka	318	Air pollution absorbing species
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	



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1	NA	0	0
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47. Energy

Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	As per requirement
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	The average power supply required to the tune of 75000 KW Hr / Day for the existing unit, presently taken from Maharashtra State Electricity Distribution Company Limited (MSEDCL) and the same would be the source for the proposed expansion activities. The average power supply required to the tune of 5000 KW Hr / Day for the proposed expansion activities.
	During Operation phase (Demand load):	The average power supply required to the tune of 75000 KW Hr / Day for the existing unit, presently taken from Maharashtra State Electricity Distribution Company Limited (MSEDCL) and the same would be the source for the proposed expansion activities. The average power supply required to the tune of 5000 KW Hr / Day for the proposed expansion activities.
	Transformer:	NA
	DG set as Power back-up during operation phase:	1250, 1250, 1250 and 1500 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

1.M/s. Cipla Ltd., Unit - I have already installed 10 numbers of solar light lamps having 28 watt capacity. All future installations of solar light lamps are in process.
2. Use of Green Solvents.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar light lamps	NA

50. Details of pollution control Systems

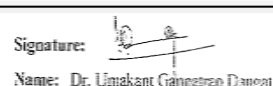
Source	Existing pollution control system	Proposed to be installed
Air Pollution Control	Stacks, Scrubber	Stacks, Scrubber
Water Pollution Control	Effluent Treatment Plant (ETP), ZLD	Effluent Treatment Plant (ETP), ZLD
Noise Pollution Control	Noise Level Management	Noise Level Management
Environmental Management Plan and Monitoring	Environmental Management Plan and Monitoring	Environmental Management Plan and Monitoring



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Green Belt Development	Green Belt Development		Green Belt Development
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA	
	O & M cost:	NA	

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

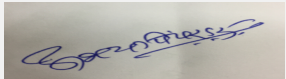
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	NA	NA	NA

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control (APC)	APC equipment's like - Bag Filter & Cyclone to boiler with Stack	170	15
2	Water Pollution Control (WPC)	ETP, Online Monitoring System to ETP	1000	160
3	Noise Pollution Control (NPC)	Noise Level Management	25	0.5
4	Occupational Health and Safety	Occupational Health and Safety	25	15
5	Environmental Management Plan and Monitoring	Environmental Management Plan and Monitoring	-	5
6	Green Belt Development	Green Belt Development	25	5
7	Air Pollution Control (APC) - Under expansion	Installation of APC Equipment - Scrubber	20	2
8	Green Belt Development - Under expansion	Green Belt Development	5	1

51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Absolute Alcohol	Liquid	Acid Store	0.4	0.04	0.8	Indigenous	By Road
SPDS	Liquid	Tank farm	30	20	5	Indigenous	By Road
MDC	Liquid	Tank farm	20	18	16	Indigenous	By Road
Methanol	Liquid	Tank farm	75	70	50	Indigenous	By Road
Toluene	Liquid	Tank farm	40	38	30	Indigenous	By Road
Ethyl Acetate	Liquid	Tank farm	50	46	42	Indigenous	By Road
Acetone	Liquid	Tank farm	40	35	25	Indigenous	By Road


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IPA	Liquid	Tank farm	40	37	35	Indigenous	By Road
52.Any Other Information							
No Information Available							
53.Traffic Management							
	Nos. of the junction to the main road & design of confluence:	NA					
Parking details:	Number and area of basement:	NA					
	Number and area of podia:	NA					
	Total Parking area:	5924 m2 (10% of Total Area)					
	Area per car:	NA					
	Area per car:	NA					
	Number of 2-Wheelers as approved by competent authority:	NA					
	Number of 4-Wheelers as approved by competent authority:	NA					
	Public Transport:	NA					
	Width of all Internal roads (m):	6 M					
	CRZ/ RRZ clearance obtain, if any:	NA					
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA					
	Category as per schedule of EIA Notification sheet	As per the provision of "EIA Notification No. S.O. 1533 (E)" dated 14.09.2006 and amendments thereto vide Notification dated 25.06.2014, the proposed project comes under 'Category - B1' Item No. 5 (f).					
	Court cases pending if any	No any court case					
	Other Relevant Informations	Application in the prescribed online format of 'FORM-1' along with the requisite documents is submitted herewith for grant ToRs.					
	Have you previously submitted Application online on MOEF Website.	No					
	Date of online submission	-					
TOR Suggested Changes							



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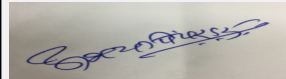
Signature:



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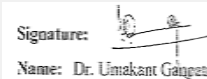
Dr. Umakant Dangat (Chairman SEAC-I)

Consolidated Statement Point Number	Original Remarks	Submitted Changes
3	Mr. Bhagwan Gawali (Director)	Mr. Mangesh Wajhe (Sr. Technical Director)
6	Proposed expansion and modernization project of Existing Bulk Drugs and Intermediates Manufacturing Unit	Proposed expansion project of Existing Bulk Drugs and Intermediates Manufacturing Unit
21	1304000000	1900000000
32	Dry and Wet Season: Fresh water - 788 CMD, Recycled Water - 320 CMD, Total water requirement - 1108 CMD	Dry and Wet Season: Fresh water - 478 CMD, Recycled Water - 331 CMD, Total water requirement - 809 CMD
33	(1) Domestic Consumption: Existing (84 CMD), Proposed (0 CMD), Total (84 CMD).	(1) Domestic Consumption: Existing (65 CMD), Proposed (0 CMD), Total (65 CMD).
33	Domestic Loss: Existing (6 CMD), Proposed (0CMD), Total (6 CMD),	Domestic Loss: Existing (5 CMD), Proposed (0CMD), Total (5 CMD)
33	Domestic Effluent: Existing (78 CMD), Proposed (0 CMD), Total (78 CMD).	Domestic Effluent: Existing (60 CMD), Proposed (0 CMD), Total (60 CMD).
33	Industrial Process: Existing (118 CMD), Proposed (56 CMD), Total (174 CMD).	Industrial Process: Existing (181 CMD), Proposed (38 CMD), Total (219 CMD).
33	Industrial Process Loss: Existing (0 CMD), Proposed (0CMD), Total (0 CMD)	Industrial Process Loss: Existing (0 CMD), Proposed (0 CMD), Total (0 CMD)
33	Industrial Process Effluent: Existing (148 CMD), Proposed (95 CMD), Total (243 CMD).	Industrial Process Effluent: Existing (190 CMD), Proposed (56.5 CMD), Total (246.5 CMD).
33	Gardening: Existing (30 CMD), Proposed (30 CMD), Total (60 CMD).	Gardening: Existing (30 CMD), Proposed (5 CMD), Total (35 CMD).
33	Gardening Loss: Existing (0 CMD), Proposed (0CMD), Total (0 CMD)	Gardening Loss: Existing (30 CMD), Proposed (5CMD), Total (35 CMD)
33	Gardening Effluent: Existing (0 CMD), Proposed (0 CMD), Total (0 CMD)	Gardening Effluent: Existing (0 CMD), Proposed (0 CMD), Total (0 CMD)
33	Cooling Tower & Thermopack Consumption: Existing (415 CMD), Proposed (375 CMD), Total (790 CMD).	Cooling Tower & Thermopack Consumption: Existing (460 CMD), Proposed (25 CMD), Total (485 CMD).
33	Cooling Tower & Thermopack Loss: Existing (373.5 CMD), Proposed (337.5CMD), Total (711 CMD)	Cooling Tower & Thermopack Loss: Existing (440 CMD), Proposed (22 CMD), Total (457.5 CMD)
33	Cooling Tower & Thermopack Effluent: Existing (41.5 CMD), Proposed (37.5 CMD), Total (79 CMD).	Cooling Tower & ThermopackEffluent: Existing (20 CMD), Proposed (3.0 CMD), Total (27.5 CMD).
34	Size and no of RWH tank(s) and Quantity : The details of rainwater harvesting will be incorporated in EIA report.	Size and no of RWH tank(s) and Quantity : Rainwater Harvesting system is in place at site
37	Waste Generation in Operation Phase: Dry Waste: (1) Plastic Scrap, Glass scrap, wooden scrap, metal scrap and (2) Ash	Waste Generation in Operation Phase: Dry Waste: (1) Plastic Scrap, Glass scrap, wooden scrap, metal scrap (400 MT/Yr.) and (2) Ash (1.75 MT/D), (3) Battery Waste (3 MT/Yr.), (4) E-Waste (3 MT/Yr.)
37	Waste Generation in Operation Phase: Biomedical Waste(if applicable): NA	Waste Generation in Operation Phase: Biomedical Waste (if applicable): Biomedical Waste (200 g/M)
37	Mode of Disposal of waste: Dry Waste: Sale to Authorized Party, Sale to Brick Manufacturers/land	Mode of Disposal of waste: Dry Waste: Sale to Authorized Party, Sale to Brick Manufacturers/land, Sale to Authorized Reprocessor


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37	Mode of Disposal of waste: Biomedical Waste(if applicable): NA	Mode of Disposal of waste: Biomedical Waste (if applicable): Biomedical Disposal Facility
38	Amount of effluent generation (CMD): 400 CMD	Amount of effluent generation (CMD): 334 CMD
38	Amount of treated effluent recycled: 320 CMD	Amount of treated effluent recycled: 331 CMD
39	Chemical Sludge from wastewater treatment: Cat.:35.3, UOM:MT/M, Existing: 1.5, Proposed: 18.5, Total: 20. Method of Disposal: CHWTSDF	Chemical Sludge from wastewater treatment: Cat.:35.3, UOM:MT/M, Existing: 36.5, Proposed: 41.5, Total: 78. Method of Disposal: CHWTSDF
39	Sludge from wet scrubber: Cat.:37.1, UOM: MT/M, Existing: 5, Proposed: 3, Total: 8. Method of Disposal: CHWTSDF	To be deleted from this section
39	Sludge from MEE System: Cat.:35.4, UOM: MT/M, Existing: 30, Proposed: 20, Total: 50. Method of Disposal: CHWTSDF	To be deleted from this section
39	Spent Solvent: Cat.: 28.6, UOM:KL/M, Existing: 150, Proposed: 200, Total: 350. Method of Disposal: CHWTSDF	Spent Solvent: Cat.: 28.6, UOM: KL/M, Existing: 155, Proposed: 203, Total: 358. Method of Disposal: CHWTSDF
39	Spent Organic Solvents: Cat.: 28.6, UOM:KL/M, Existing: 5, Proposed: 3, Total: 8. Method of Disposal: Sale to Authorized Party	To be deleted from this section
39	Spent Catalyst/Spent Carbon: Cat.: 28.3, UOM:Kg/M, Existing: 500, Proposed: 300, Total: 800. Method of Disposal: CHWTSDF	Spent Catalyst: Cat.: 28.2, UOM: Kg/M, Existing: 250, Proposed: 150, Total: 400 Method of Disposal: CHWTSDF
39	Spent Catalyst/Spent Carbon: Cat.: 28.3, UOM:Kg/M, Existing: 500, Proposed: 300, Total: 800. Method of Disposal: CHWTSDF	Spent Carbon: Cat.: 28.3, UOM: Kg/M, Existing: 250, Proposed: 150, Total: 400 Method of Disposal: CHWTSDF
39	Date expired, Discarded and Off-specification drugs: Cat.: 28.5, UOM:MT/M, Existing: 5, Proposed: 3, Total: 8. Method of Disposal: CHWTSDF	Date expired and Discarded drugs: Cat.: 28.5, UOM:MT/M, Existing: 2.5, Proposed: 1.5, Total: 4 Method of Disposal: CHWTSDF
39	Date expired, Discarded and Off-specification drugs: Cat.: 28.5, UOM:MT/M, Existing: 5, Proposed: 3, Total: 8. Method of Disposal: CHWTSDF	Off-specification drugs: Cat.: 28.4, UOM:MT/M, Existing: 2.5, Proposed: 1.5, Total: 4. Method of Disposal: CHWTSDF
39	Spent Mother Liquor: Cat.: 28.1, UOM:M3/dilution with water/M, Existing: 750, Proposed: 400, Total: 1150. Method of Disposal: MEE	To be deleted from this section
40	Sr. No.4: D.G. Set (1250 KVA)	Sr. No.4: D.G. Set (1250 KVA - 3 Nos.)
44	Green Belt Development: Number of trees to be planted: Proposed Green Belt Area -12298.6 Sq.M. (6% of total plot area). The list of trees to be planted under expansion will be incorporated in EIA report.	Green Belt Development: Number of trees to be planted: Proposed Green Belt Area -16398.08 Sq.M. (8% of total plot area). The list of trees to be planted under expansion will be incorporated in EIA report.
52 (b)	(1) Air Pollution Control - Boiler Capital cost Rs. In Lacs - 43 O & M cost Rs. In Lacs - For all component the O&M cost would be 450 lacs/year	(1) Air Pollution Control - Installation of APC equipment - stack, scrubbers Capital cost Rs. In Lacs - For Existing - 170 For Expansion - addition of one scrubber - 20 Total capital cost Rs. In Lacs - 190 O & M cost Rs. In Lacs - For Existing - 15 For Expansion -2 Total O & M cost Rs. In Lacs - 17
52 (b)	(2) Water Pollution Control - ETP Capital cost Rs. In Lacs - 400 O & M cost Rs. In Lacs - As above mentioned	(2) Water Pollution Control - ETP, Online Monitoring of ETP (Existing) Capital cost Rs. In Lacs - 1000 O & M cost Rs. In Lacs - 160

52 (b)	(3) Noise Pollution Control - Noise level Management Capital cost Rs. In Lacs - 16 O & M cost Rs. In Lacs - As above mentioned	(3) Noise Pollution Control - Noise level Management (Existing) Capital cost Rs. In Lacs - 25 O & M cost Rs. In Lacs -0.50
52 (b)	(4) Environmental Monitoring & Management - Environmental Monitoring & Management Capital cost Rs. In Lacs - 2 O & M cost Rs. In Lacs - As above mentioned	(4) Environmental Monitoring & Management - Environmental Monitoring & Management (Existing) Capital cost Rs. In Lacs - -- O & M cost Rs. In Lacs - 5
52 (b)	(5) Occupational Health Safety - Occupational Health Safety Capital cost Rs. In Lacs - 1 O & M cost Rs. In Lacs - As above mentioned	(5) Occupational Health & Safety - Occupational Health & Safety (Existing) Capital cost Rs. In Lacs - 25 O & M cost Rs. In Lacs - 15
52 (b)	(6) Green belt Development - Green belt Development Capital cost Rs. In Lacs - 2 O & M cost Rs. In Lacs - As above mentioned	(6) Green belt Development - Green belt Development & Rain Water Harvesting System Capital cost Rs. In Lacs - For Existing - 25 For Expansion - 5 Total Capital cost Rs. In Lacs - 30 O & M cost Rs. In Lacs - For Existing -5 For Expansion - 1 Total O & M cost Rs. In Lacs - 6

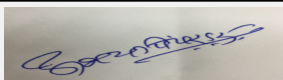
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable
Air Quality & Noise Level issues	Not Applicable
Energy Management	Not Applicable
Traffic circulation system and risk assessment	Not Applicable
Landscape Plan	Not Applicable
Disaster management system and risk assessment	Not Applicable
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	Not Applicable
Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC

PP requested to postpone the case

DECISION OF SEAC



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PP requested to postpone the case.

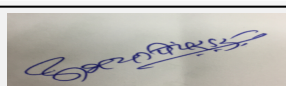
Hence, deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-I decided to defer the proposal. Kindly find SEAC decision above.

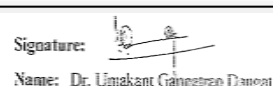
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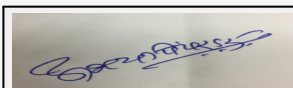
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**Dr. Umakant Dangat
(Chairman SEAC-I)**

184th**SEAC Meeting number: 184th - Day-3 Meeting Date June 4, 2020****Subject:** Environment Clearance for Environment Clearance (EC) for proposed expansion of Existing Bulk Drugs and Intermediates (API) Manufacturing unit from 150 MT/Yr. to 220 MT/Yr. - Application for Grant of ToRs.**Is a Violation Case:** No

1.Name of Project	M/s. CIPLA LIMITED (Unit-III)
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mangesh Vaze. (Senior Technical Director)
4.Name of Consultant	Equinox Environments (India) Private Limited (EEIPL)
5.Type of project	Other - Industrial
6.New project/expansion in existing project/modernization/diversification in existing project	Proposed expansion project of Existing Bulk Drugs and Intermediates (API) Manufacturing unit
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Environmental Clearance (EC) from MoEF, New Delhi dated 13.10.2005.
8.Location of the project	Unit - III, Plot No. - D - 22, MIDC Kurkumbh, Taluka: Daund, District: Pune, State: Maharashtra.
9.Taluka	Daund
10.Village	Kurkumbh
Correspondence Name:	Mr. Mangesh Vaze. (Senior Technical Director)
Room Number:	Plot No. - D - 22
Floor:	Ground Floor
Building Name:	Administration
Road/Street Name:	MIDC Kurkumbh
Locality:	MIDC Kurkumbh, Taluka: Daund
City:	Pune
11.Whether in Corporation / Municipal / other area	Other Area
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable, Since it's an Industrial Project IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 24520
13.Note on the initiated work (If applicable)	Not Applicable; No work initiated on site.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	The existing Manufacturing Unit of M/s. CIPLA LIMITED (Unit-III) is located in Notified Industrial Area i.e. MIDC Kurkumbh
15.Total Plot Area (sq. m.)	59115 m2
16.Deductions	NA
17.Net Plot area	59115 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA b) Non FSI area (sq. m.): NA c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval: 01-01-1900
19.Total ground coverage (m2)	24520 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	41.47 %
21.Estimated cost of the project	296300000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	API + FINISHING	3	14.50
2	API-II	3	16.00
3	API-III	3	14.50
4	API-IV	3	17.50
5	QUALITY CONTROL	2	11.00
6	STORE	1	8.00
7	ADMIN	1	4.50
8	PUMP HOUSE	1	9.50
9	D.G. ROOM	1	7.50
10	MAIN UTILITY	1	7.00
11	CANTEEN BUILDING	2	9.00
12	NA	NA	NA

23.Number of tenants and shops	NA
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	25-Meter-wide roads provided by MIDC. The Fire Station is at about 0.5 km from project site.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Internal roads with minimum 6-meter width and 9-meter turning radius.
29.Existing structure (s) if any	Yes, Existing Plant Built up Area - 24520 m ²
30.Details of the demolition with disposal (If applicable)	Few equipment's / machineries in existing unit will be replaced by new under expansion.

31.Production Details

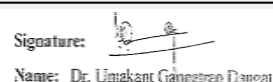
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Nevirapine / Nevirapine Hemihydrate - Anti-Retroviral	1.89	0.0	1.89
2	Zidovudine - Anti-Retroviral	0.49	0.0	0.49
3	Lamivudine - Anti-Retroviral	0.85	0.0	0.85



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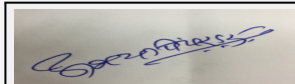
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4	Terbinafine Hydrochloride - Anti-Fungal	2.00	0.0	2.00
5	Cyproterone Acetate - Anti-Androgen	0.27	0.0	0.27
6	Fexofenadine Hydrochloride - Anti-Histamine	0.86	0.0	0.86
7	Deferiprone - Chelating Agent	1.56	0.0	1.56
8	Escitalopram Oxalate - Anti-Depressant	0.18	0.0	0.18
9	Citalopram Hydrobromide - Anti-Depressant	3.10	0.0	3.10
10	Rosiglitazone Maleate - Anti-Diabetic	0.65	0.0	0.65
11	Estramustine Sodium Phosphate - Anti-Neoplastic	0.67	0.0	0.67
12	Abacavir Sulfate - Anti-Retroviral	0.0	2.00	2.00
13	Dolutegravir Sodium - Anti-Retroviral	0.0	2.00	2.00
14	Tenofovir Disoproxil Fumarate - Anti-Retroviral	0.0	11.67	11.67
15	Tenofovir Alafenamide Fumarate - Anti-Retroviral	0.0	1.00	1.00
16	Emtricitabine - Anti-Retroviral	0.0	0.42	0.42
17	Oseltamivir Phosphate - Anti-Viral	0.0	0.50	0.50
18	Valacyclovir Hydrochloride - Anti-Viral	0.0	0.25	0.25
19	Deferasirox - Chelating Agent	0.0	0.50	0.50
20	Exemestane - Anti-Neoplastic	0.0	0.03	0.03
21	Dapagliflozin - Anti-Diabetic	0.0	0.04	0.04
22	Sitagliptin Phosphate - Anti-Diabetic	0.0	0.04	0.04
23	Empagliflozin - Anti-Diabetic	0.0	0.04	0.04
24	Levonorgestrel - Contraceptive	0.0	0.00042	0.00042
25	Danazol - Anti-Gonadotropin	0.0	0.17	0.17
26	Ondansetron Base / HCL - Anti-Emetic	0.0	0.25	0.25



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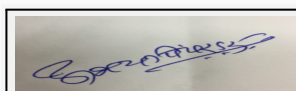


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27	Bictegravir - Integrase-Inhibitor	0.0	0.02	0.02
28	Eluxadoline - Anti- Spasmodic	0.0	0.02	0.02
29	Formoterol Fumarate - Bronchodilator	0.0	0.25	0.25
30	Pramipexole Dihydrochloride - Anti- Parkinson	0.0	0.25	0.25
31	R & D Product	0.0	0.05	0.05

32.Total Water Requirement

Dry season:	Source of water	MIDC Water Supply Scheme - The MIDC procures water from Victoria Dam and after treatment the same is provided to different industries in the MIDC.
	Fresh water (CMD):	203
	Recycled water - Flushing (CMD):	92 (In Cooling Makeup)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	295
	Fire fighting - Underground water tank(CMD):	600 M3
	Fire fighting - Overhead water tank(CMD):	600 M3
	Excess treated water	NA
Wet season:	Source of water	MIDC Water Supply Scheme - The MIDC procures water from Victoria Dam and after treatment the same is provided to different industries in the MIDC.
	Fresh water (CMD):	188
	Recycled water - Flushing (CMD):	92 (In Cooling Makeup)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	280
	Fire fighting - Underground water tank(CMD):	600 M3
	Fire fighting - Overhead water tank(CMD):	600 M3
	Excess treated water	NA
Details of Swimming pool (If any)		NA



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33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	21.00	0.00	21.00	2.00	0.00	2.00	19.00	0.00	19.00
Industrial Process	37.00	23.00	60.00	2.00	1.00	3.00	35.00	22.00	57.00
Cooling tower & thermopack	118.00	81.00	199.00	97.00	70.00	167.00	21.00	11.00	32.00
Gardening	13.00	2.00	15.00	13.00	2.00	15.00	0.00	0.00	0.00

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre-Monsoon - 2.00 to 5.00 mbgl Post-Monsoon - < 2.00 mbgl
	Size and no of RWH tank(s) and Quantity:	1 No., Approx. - 25 M3
	Location of the RWH tank(s):	Near Contractor Shed
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	As Above

35.Storm water drainage	Natural water drainage pattern:	Dendritic Pattern
	Quantity of storm water:	1652 Mtr.
	Size of SWD:	0.5 Mtr. x 1.2 Mtr.

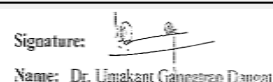
Sewage and Waste water	Sewage generation in KLD:	19 KLD
	STP technology:	There is no provision of STP on site. The domestic sewage is treated in existing ETP and same would be followed under expansion.
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA



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36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	NA
	Disposal of the construction waste debris:	No Major construction would be done since most of infrastructure would be used from existing unit. In existing premises, only few equipment's and machinery would be installed as per requirement. Once the construction gets over, the entire excess soil, if any, would be utilized through proper landscaping in the premises of the industry.
Waste generation in the operation Phase:	Dry waste:	1.Plastic, Glass, Ferrous, Wooden, Metal Scrap (MT/Year) - Existing - 132 , Expansion - 18, Total - 150, 2. Battery Waste - (MT/Year) - Existing - 2.5 , Expansion - 1.5, Total - 4, E-Waste - (MT/Year) - Existing - 2 , Expansion - 1, Total - 3, Discarded containers, drums, carboys etc. - (Nos./Yr) - Existing - 1200 , Expansion - 300, Total - 1500
	Wet waste:	NA
	Hazardous waste:	1.Cat. No. 5.1 - Used / Spent Oil - (Lit/M) - Existing - 300, Expansion - 100, Total - 400, 2. Cat. No. 28.6 - Spent Solvents - (KL/M) - Existing - 150, Expansion - 280, Total - 430, 3. Cat. No. 28.2 - Spent Catalyst + Cat. No. 28.3 - Spent Carbon - (MT/M) - Existing - 7.50, Expansion - 2.50, Total - 10, 4. Cat. No. 28.5 - Date-Expired, discarded drug / medicines/ chemicals + Cat. No. 28.4 - Off-specification drug / medicines/chemicals - (kg/M) - Existing - 50, Expansion - 50, Total - 100,
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Sale to Authorized Party
	Wet waste:	NA
	Hazardous waste:	Sale to Authorized Party / Sale to Authorized Reprocessor / CHWTSDF (Membership No.- MEPL/CPM014 -Valid up to 20.09.2022) / Co processing
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	BOD	mg/lit	4200	2	100
2	COD	mg/lit	18200	12	250
3	TDS	mg/lit	1720	120	2100
4	pH	--	6.20	7.01	5.5-9.0
5	SS	mg/lit	120	Nil	100


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Amount of effluent generation (CMD):	108
Capacity of the ETP:	150
Amount of treated effluent recycled :	92
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	The trade effluent generated would be the tune of 89 CMD whereas domestic effluent generated would be the tune of 19 CMD after proposed expansion. The effluent generated after expansion activities would be segregated into two streams viz. Stream I (Low TDS and Low COD Effluent) and Stream II (High TDS and High COD Effluent). Stream I effluent would be treated in an existing ETP comprising of Primary, Secondary & Tertiary treatment whereas Stream II effluent would be treated through Multiple Effe
Disposal of the ETP sludge	Salts from MEE and ETP sludge is forwarded to Common Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF), Ranjangaon, Pune for final disposal.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used / Spent oil	Cat.:- 5.1	Lit/M	300	100	400	Sale to Authorized Party
2	Spent Solvents	Cat.:- 28.6	KL/M	150	280	430	Sale to Authorized Party
3	Spent Catalyst + Spent Carbon	Cat.:- 28.2 + 28.3	MT/M	7.5	2.50	10.00	CHWTSDF / Co processing/Sale to Authorized Reprocessor + CHWTSDF / Co processing
4	Date-Expired, discarded drug / medicines/ chemicals + Off-specification drug / medicines / chemicals	Cat.:- 28.5 + 28.4	kg/M	50	50	100	CHWTSDF / Co processing + CHWTSDF / Co processing
5	Discarded Container, Barrels / liners used for Hazardous Waste / Chemicals	Cat.:- 33.1	Nos./M	100	100	200	Sale to authorized Party
6	Chemical Sludge from Waste Water Treatment + Sludge from MEE system + Sludge from wet scrubber + Spent mother liquor	Cat.:- 35.3	MT/M	50.265	29.005	79.27	CHWTSDF / Co processing

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Thermopack 2 Nos. (2 Lac kcal/Hr)	HSD	1	30	0.30	99
2	Boiler 2 Nos. (2000 kg/Hr)	FO	1	33	0.35	165



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3	DG Set 3 Nos. (250, 500, 750 KVA)	HSD	3	3.6,4.6,5.6 ARL	0.41,0.41,0.75	160
4	Scrubber (API - I)	Water	S-3.1	3.2	0.1	--
5	Scrubber (API - I)	Water	S-3.2	3.2	0.1	--
6	Scrubber (API - I)	Water	S-3.3	6.0	0.1	--
7	Scrubber (API - II)	Water	S-3.4	4.0	0.3	--
8	Scrubber (API - II)	Caustic solution	S-3.5	6.0	0.3	--
9	Scrubber (API - II)	Caustic solution	S-3.6	4.0	0.3	--
10	Scrubber (API - IV)	Caustic solution	S-3.7	9.0	0.3	--
11	Deactivation booth of ETP	Water	S-3.8	8.0	0.3	--

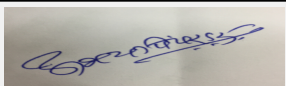
40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD (Thermopack)	48 kg/hr	0.0	48 kg/hr
2	FO (Boiler)	240 kg/hr	0.0	240 kg/hr
3	HSD (DG Set)	248 kg/hr	0.0	248 kg/hr
41.Source of Fuel		From Local Vendors (Indian Oil Corporation Ltd.)		
42.Mode of Transportation of fuel to site		Through Trucks by road.		

43.Green Belt Development	Total RG area :	20800 m2 (2.08 Ha) i.e. 35.19 % of the plot area
	No of trees to be cut :	Not Applicable, since no tree will be cut for expansion
	Number of trees to be planted :	3120
	List of proposed native trees :	List of trees as below
	Timeline for completion of plantation :	5 Years

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	254	Native, evergreen, fast growing, tolerant
2	Dalbergia sissoo	Shisav, Shisham	180	Native, evergreen, tolerant
3	Mimosa pselengi	Bakul	217	Native, ornamental, host plant for bees and butterflies.
4	Pongamia pinnata	Karanj	181	Pollution tolerant
5	Acacia Catechu	Khair	73	Native and pollution resistant
6	Tectona grandis	Saag	77	Native and pollution resistant
7	Ficus racemosa	Umbar	70	Native, evergreen, fast growing, pollution tolerant
8	Cassia fistula	Bahava	215	Native, ornamental, host plant for bees and butterflies
9	Gmelina arborea	Shivan	74	Native and pollution resistant
10	Pithecello biumdulce	Wilayati Chinch	180	Native, ornamental, host plant for bees and butterflies

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11	Alstonia scholaris	Saptaparni	212	Native, evergreen, higher dust settling index
12	Swietenia mahogani	Mahogani	182	Native, evergreen, higher dust settling index
13	Aegle marmelos	Bel	76	Native and pollution resistant
14	Holigarna grahamii	Ran Bibba	181	Native and pollution resistant
15	Ficus macrocarpa	Nandruk	75	Native and pollution resistant
16	Melia azedarach	Limbara	74	Native and pollution resistant
17	Bauhinia racemosa	Apta	180	Native and pollution resistant
18	Neolamarckia cadamba	Kadamb	183	Native, Evergreen tree
19	Lagerstroemia speciosa	Tamhan	216	Native, State flower of Maharashtra
20	Polyalthia longifolia	Ashoka	220	Air pollution absorbing species

45.Total quantity of plants on ground

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	0	0

47.Energy

Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	As per requirement
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	The average power supply - 27000 KW Hr/Day for the existing unit, presently taken from Maharashtra State Electricity Distribution Company Limited (MSEDCL) and the same would be the source for the proposed expansion activities. The average power supply - 3000 KW Hr/Day is required for the proposed expansion activities.
	During Operation phase (Demand load):	The average power supply - 27000 KW Hr/Day for the existing unit, presently taken from Maharashtra State Electricity Distribution Company Limited (MSEDCL) and the same would be the source for the proposed expansion activities. The average power supply - 3000 KW Hr/Day is required for the proposed expansion activities.
	Transformer:	NA
	DG set as Power back-up during operation phase:	250, 500 and 750 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

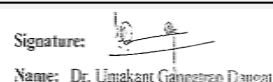
- 1.M/s. Cipla Ltd., Unit - III have installed a 35 KWp capacity Solar Power Plant in June 2016. All future installation's roofs will be south-wardly inclined to install more solar panels for higher solar power generation.
- 2.Use of Green Solvents.



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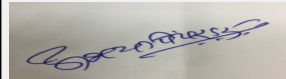
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49.Detail calculations & % of saving:				
Serial Number	Energy Conservation Measures		Saving %	
1	Solar Panels		NA	
50.Details of pollution control Systems				
Source	Existing pollution control system		Proposed to be installed	
Air Pollution Control	Stacks, Scrubber		Stacks, Scrubber	
Water Pollution Control	Effluent Treatment Plant (ETP) + ZLD		Effluent Treatment Plant (ETP) + ZLD	
Noise Pollution Control	Noise Level Management		Noise Level Management	
Environmental Management Plan and Monitoring	Environmental Monitoring and Management		Environmental Monitoring and Management	
Green Belt Development	Green Belt Development		Green Belt Development	
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA		
	O & M cost:	NA		
51.Environmental Management plan Budgetary Allocation				
a) Construction phase (with Break-up):				
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)	
1	NA	NA	NA	
b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control (APC)	APC Equipment's like Stacks, Scrubber	95.00	5.00
2	Water Pollution Control (WPC)	ETP comprising of MEE & allied Infrastructure	586.00	58.60
3	Noise Pollution Control (NPC)	Noise Level Management	16.00	1.60
4	Occupational Health and Safety	Occupational Health and Safety	25.00	5.00
5	Environmental Management Plan and Monitoring	Environmental Management Plan and Monitoring	0.00	10.00
6	Green Belt Development	Green Belt Development	25.00	2.50
7	Air Pollution Control (APC) - Under expansion	Installation of APC Equipment - Scrubber	10.00	0.50
8	Green Belt Development - Under expansion	Green Belt Development	10.00	2.50


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51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
ABSOLUTE ALCOHOL DENATURED WITH ACETONE	LIQUID	Acid Store	6.24	6.00	12.00	Indigenous	By Road
SPECIAL DENATURED SPIRIT WITH TOLUENE	LIQUID	Acid Store	14.40	14.00	27.36	Indigenous	By Road
METHYLENE CHLORIDE	LIQUID	Tank farm	53.00	48.00	115.00	Indigenous	By Road
METHANOL	LIQUID	Tank farm	39.25	37.00	85.00	Indigenous	By Road
ACETONE	LIQUID	Tank farm	19.50	19.00	37.44	Indigenous	By Road
ISOPROPYL ALCOHOL	LIQUID	Tank farm	39.00	37.00	90.00	Indigenous	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	5924 m2 (10% of Total Area)
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6 meter
	CRZ/ RRZ clearance obtain, if any:	NA


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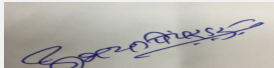
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	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	As per the provision of "EIA Notification No. S.O. 1533 (E)" dated 14.09.2006 and amendments thereto vide Notification dated 25.06.2014, the proposed project comes under 'Category - B1' Item No. 5 (f).
	Court cases pending if any	No any court case
	Other Relevant Informations	Application in the prescribed online format of 'FORM-1' along with the requisite documents is submitted herewith for grant ToRs.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
3	Mr. Sanjay Berad (Director)	Mr. Mangesh Wajhe (Sr. Technical Director)
6	Proposed expansion and modernization project of Existing Bulk Drugs and Intermediates manufacturing unit.	Proposed expansion project of Existing Bulk Drugs and Intermediates manufacturing unit.
31	31) R & d product : 0.20 MT/M	31) R & d product : 0.05 MT/M
32	Dry and Wet Season: Fresh water - 130 CMD Recycled Water - 128 CMD Total water requirement - 258 CMD	Dry and Wet Season: Fresh water - 130 CMD Recycled Water - 89 CMD Total water requirement - 219 CMD
33	(1) Domestic Consumption: Existing (35 CMD) Proposed (5 CMD) Total (40 CMD)	(1) Domestic Consumption: Existing (20 CMD) Proposed (0 CMD) Total (20 CMD)
33	Domestic Loss: Existing (1 CMD) Proposed (1 CMD) Total (2 CMD)	Domestic Loss: Existing (1 CMD) Proposed (0 CMD) Total (1 CMD)
33	Domestic Effluent: Existing (34 CMD) Proposed (4 CMD) Total (38 CMD)	Domestic Effluent: Existing (19 CMD) Proposed (0 CMD) Total (19 CMD)
33	(2) Industrial Process: Existing (67 CMD) Proposed (21 CMD) Total (88 CMD)	(2) Industrial Process: Existing (60 CMD) Proposed (12 CMD) Total (72 CMD)
33	Industrial Process Loss: Existing (0 CMD) Proposed (0 CMD) Total (0 CMD)	Industrial Process Loss: Existing (0 CMD) Proposed (3 CMD) Total (3 CMD)
33	Industrial Process Effluent: Existing (45 CMD) Proposed (49.5 CMD) Total (94.5 CMD)	Industrial Process Effluent: Existing (60 CMD) Proposed (9 CMD) Total (69 CMD)
33	(3) Gardening: Existing (20 CMD) Proposed (10 CMD) Total (30 CMD)	(3) Gardening: Existing (30 CMD) Proposed (0 CMD) Total (30 CMD)
33	Gardening Loss: Existing (0 CMD) Proposed (0 CMD) Total (0 CMD)	Gardening Loss: Existing (30 CMD) Proposed (0 CMD) Total (30 CMD)
33	(4) Cooling Tower & Thermopack Consumption: Existing (78 CMD) Proposed (22 CMD) Total (100 CMD)	(4) Cooling Tower & Thermopack Consumption: Existing (90 CMD) Proposed (7 CMD) Total (97 CMD)
33	Cooling Tower & Thermopack Loss: Existing (70.5 CMD) Proposed (21.5 CMD) Total (92 CMD)	Cooling Tower & Thermopack Loss: Existing (79 CMD) Proposed (6.3 CMD) Total (85.3 CMD)



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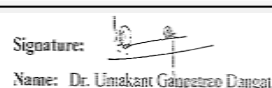
33	Cooling Tower & Thermopack Effluent: Existing (7.5 CMD) Proposed (0.5 CMD) Total (8 CMD)	Cooling Tower & Thermopack Effluent: Existing (11 CMD) Proposed (0.7 CMD) Total (11.7 CMD)
34	Size and no of RWH tank(s) and Quantity: The details of rainwater harvesting will be incorporated in EIA report.	Size and no of RWH tank(s) and Quantity: Industry has developed rainwater harvesting tank of approx. 25 m3 with two pumps. (one working one stand by)
37	Waste Generation in Operation Phase: (1) Dry Waste: Plastic, Glass, Ferrous, wooden, metal scrap, Discarded containers, drums, carboys etc.	Waste Generation in Operation Phase: (1) Dry Waste: Plastic, Glass, Ferrous, wooden, metal scrap (150 MT/Yr), Discarded containers, drums, carboys etc. (1500 Nos./Yr)
37	(3) Hazardous waste : Battery waste, E-waste	(3) Hazardous waste : Battery waste (4 MT/Yr), E-waste (3 MT/Yr)
38	Amount of effluent generation (CMD): 140.50 CMD	Amount of effluent generation (CMD): 99.7 CMD
38	Amount of treated effluent recycled: 128 CMD	Amount of treated effluent recycled: 89 CMD
39	Spent Mother Liquor: Cat.: 28.1, UOM: M3/M, Existing: 600, Proposed: 300, Total: 900. Method of Disposal: Final residue to CHWTSDF	To be deleted from this section
39	Chemical Sludge, Oil & Grease skimming residues from Industrial Effluent: Cat.: 35.3, UOM: MT/M, Existing: 5.25, Proposed: 4.0, Total: 9.25. Method of Disposal: CHWTSDF	Chemical Sludge from waste water treatment: Cat.: 35.3, UOM: MT/M, Existing: 50.265, Proposed: 29.005, Total: 79.27. Method of Disposal: CHWTSDF
39	Sludge from wet scrubber: Cat.: 37.1, UOM: kg/M, Existing: 15, Proposed: 5, Total: 20. Method of Disposal: CHWTSDF	To be deleted from this section
39	Sludge from MEE System: Cat.: 35.4, UOM: MT/M, Existing: 45, Proposed: 25, Total: 70. Method of Disposal: CHWTSDF	To be deleted from this section
39	Spent Solvents: Cat.: 28.6, UOM: KL/M, Existing: 125, Proposed: 275, Total: 400. Method of Disposal: Sale to Authorized Party	Spent Solvents/ Spent Organic Solvents: Cat.: 28.6, UOM: KL/M, Existing: 150, Proposed: 280, Total: 430. Method of Disposal: Sale to Authorized Party
39	Spent Organic Solvents: Cat.: 28.6, UOM: KL/M, Existing: 25, Proposed: 5, Total: 30. Method of Disposal: Sale to Authorized Party	To be deleted from this section
39	Spent Catalyst/Spent Carbon: Cat.: 28.3, UOM: MT/M, Existing: 7.5, Proposed: 0, Total: 7.5. Method of Disposal: Sale to Authorized Party / CHWTSDF	Spent Catalyst: Cat.: 28.2, UOM: MT/M, Existing: 4, Proposed: 1.5, Total: 5.5 Method of Disposal: Sale to Authorized Party / CHWTSDF
39	Spent Catalyst/Spent Carbon: Cat.: 28.3, UOM: MT/M, Existing: 7.5, Proposed: 0, Total: 7.5. Method of Disposal: Sale to Authorized Party / CHWTSDF	Spent Carbon: Cat.: 28.3, UOM: MT/M, Existing: 3.5, Proposed: 1, Total: 4.5 Method of Disposal: Sale to Authorized Party / CHWTSDF
39	Date expired, Discarded and Off-specification drugs/medicines/chemicals: Cat.: 28.5, UOM: kg/M, Existing: 50, Proposed: 50, Total: 100. Method of Disposal: CHWTSDF	Date expired products: Cat.: 28.5, UOM: kg/M, Existing: 25, Proposed: 25, Total: 50 Method of Disposal: CHWTSDF
39	Date expired, Discarded and Off-specification drugs/medicines/chemicals: Cat.: 28.5, UOM: kg/M, Existing: 50, Proposed: 50, Total: 100. Method of Disposal: CHWTSDF	Off-specification products: Cat.: 28.4, UOM: kg/M, Existing: 25, Proposed: 25, Total: 50 Method of Disposal: CHWTSDF
40	Thermo pack- 2 Lac kcal/hr, 2 Nos.	Thermo pack- 2 Nos., 2 x 2 Lac kcal/hr, (one standby)



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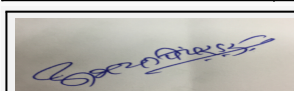


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40	Boiler- 2000 kg/hr, 2 Nos.	Boiler- 2 Nos., 2 x 2000 kg/hr (In Existing- one boiler standby, In expansion- two boilers operated with full efficiency)
40	DG Set - 500, 750, 750 KVA, 3 Nos.	DG Set - 3 Nos., 250, 500, 750 KVA(In expansion - DG set of capacity 62.5 KVA is replaced by 750 KVA)
40	Process Scrubber Vent - 5 lit. or kg/hr, 8 Nos.	Process Scrubber Vent - 5 lit. or kg/hr, 8 Nos. (Existing scrubbers - 7 Nos., In expansion one additional scrubber will be installed)
44	Total RG area : Existing Green Belt Area - 8201 m2(13.87 % of Total Plot Area)	Total RG area : Existing Green Belt Area - 17000 m2(28.76 % of Total Plot Area)
44	No of trees to be planted: Proposed Green Belt Area - 11307m2 (19 % of Total plot area). The list of trees to be planted under expansion will be incorporated in EIA report.	No of trees to be planted: Proposed Green Belt Area - 3099 m2 (5.24 % of Total plot area). The list of trees to be planted under expansion will be incorporated in EIA report.
52 (b)	(1) Air Pollution Control - Boiler Capital cost Rs. In Lacs - 43 O & M cost Rs. In Lacs - For all component the O&M cost would be 450 lacs/year	(1) Air Pollution Control - Installation of APC equipment - stack, scrubbers Capital cost Rs. In Lacs - For Existing- 95 For Expansion - addition of one scrubber - 10 Total capital cost Rs. In Lacs - 105 O & M cost Rs. In Lacs - For Existing - 5 For Expansion - 0.50 Total O & M cost Rs. In Lacs - 5.50
52 (b)	(2) Water Pollution Control - ETP Capital cost Rs. In Lacs - 400 O & M cost Rs. In Lacs - As above mentioned	(2) Water Pollution Control - ETP, Online Monitoring of ETP, MEE, VTFD Capital cost Rs. In Lacs - 586 O & M cost Rs. In Lacs - 58.60
52 (b)	(3) Noise Pollution Control - Noise level Management Capital cost Rs. In Lacs - 16 O & M cost Rs. In Lacs - As above mentioned	(3) Noise Pollution Control - Noise level Management Capital cost Rs. In Lacs - 16 O & M cost Rs. In Lacs - 1.60
52 (b)	(4) Environmental Monitoring & Management - Environmental Monitoring & Management Capital cost Rs. In Lacs - 2 O & M cost Rs. In Lacs - As above mentioned	(4) Environmental Monitoring & Management - Environmental Monitoring & Management Capital cost Rs. In Lacs - -- O & M cost Rs. In Lacs - 10
52 (b)	(5) Occupational Health Safety - Occupational Health Safety Capital cost Rs. In Lacs - 1 O & M cost Rs. In Lacs - As above mentioned	(5) Occupational Health & Safety - Occupational Health & Safety Capital cost Rs. In Lacs - 25 O & M cost Rs. In Lacs - 5
52 (b)	(6) Green belt Development - Green belt Development Capital cost Rs. In Lacs - 2 O & M cost Rs. In Lacs - As above mentioned	(6) Green belt Development - Green belt Development & Rain Water Harvesting System Capital cost Rs. In Lacs - For Existing - 25 For Expansion - 10 Total Capital cost Rs. In Lacs - 35 O & M cost Rs. In Lacs - For Existing - 2.50 For Expansion - 2.50 Total O & M cost Rs. In Lacs - 5
52 (b)	(7) MEE & VTFD - MEE & VTFD Capital cost Rs. In Lacs - 186 O & M cost Rs. In Lacs - As above mentioned	To be deleted from this section
54	(13) Category as per schedule of EIA Notification sheet : category	(13) Category as per schedule of EIA Notification sheet : Category (B) , Item No.5 (f) as per the provision of "EIA Notification No. S. O. 1533 (E)" dated 14.09.2006 and amendments thereat.

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable



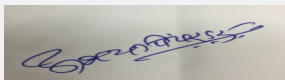
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Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable
Air Quality & Noise Level issues	Not Applicable
Energy Management	Not Applicable
Traffic circulation system and risk assessment	Not Applicable
Landscape Plan	Not Applicable
Disaster management system and risk assessment	Not Applicable
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	Not Applicable
Any other issues related to environmental sustainability	Not Applicable
Brief information of the project by SEAC	



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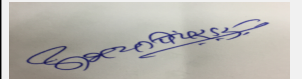
PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015. The proposal was considered in the 151st meeting of SEAC-1 wherein the ToR was granted to the PP along with following additional ToR points for the preparation of EIA/EMP report.

1. PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2. PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas, 33% green belt, rain water harvesting etc.
3. PP to submit copy of Structural Stability Certificate of the structures exists on the site.
4. PP to submit an undertaking for not having any eco sensitive area in the range of 5 KM from proposed project site PP to submit an undertaking for not violating any requirements of EIA Notification, 2006.
5. PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
6. PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc
7. PP to carry out HAZOP and Risk Assessment study and submit Disaster Management Plan.
8. PP to submit hazardous chemical handling protocol.
9. PP to submit drawings, cross sectional drawings of the manufacturing units, equipment layout plan along with report on adequacy of the existing space for the expansion activities.
10. PP to include highlights of chemistry involved in the process in the EIA report.
11. PP to submit detailed water balance calculations and include details of water conservation measure adopted in the EIA report.
12. PP to submit details of ETP design with respect to the design of units proposed for effluent treatment. PP to ensure ZLD for the effluent treatment.
13. PP to use solar power of administrative building and street lights.
14. PP to submit Form - 2 along with EIA/EMP report as per OM issued by MoEF&CC on 20.04.2018.
15. PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.

As the industry is located in the notified industrial area/estate (MIDC), Public Hearing is exempted under the provisions as per para 7 III Stage (3) (b) of the EIA Notification, 2006.

PP to submit certified copy of compliance of earlier EC No.J-11011/48/2005-IA (I) dated 05.04.2006 from Regional Office of MoEF&CC, Nagpur as per OM issued by MoEF&CC on 07/09/2017.

PP to collect base line data as per Office Memorandum issued by MoEF&CC dated 27.08.2017.


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DECISION OF SEAC

PP requested to postpone the case.

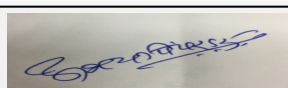
Hence, deferred

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-I decided to defer the proposal. Kindly find SEAC decision above.

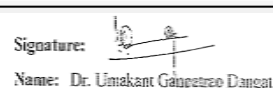
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Subject: Environment Clearance for Installed capacity of 160 MTPA of API production in the first phase and operating as per current CTO. Now, the expansion is planned upto 220 MTPA (Expansion by 60 MTPA) of API production which change in product mix. However, the site is having current EC for production of 320 MTPA of API - Application for grant of ToRs.

Is a Violation Case: No

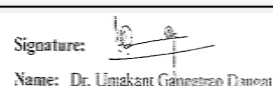
1.Name of Project	M/s. CIPLA Ltd. (Unit - II)
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mangesh Vaze (Senior Technical Director)
4.Name of Consultant	Equinox Environments (India) Private Limited (EEIPL), Kolhapur
5.Type of project	Other-Industrial
6.New project/expansion in existing project/modernization/diversification in existing project	Proposed Expansion of existing bulk drugs and intermediate manufacturing unit (API).
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Environmental Clearance from MoEF, New Delhi Dated 31st July 2007
8.Location of the project	Unit - II, Plot No. D - 27, MIDC Kurkumbh, Tal.: Daund, Dist.: Pune, Maharashtra.
9.Taluka	Daund
10.Village	Kurkumbh
Correspondence Name:	Mr. Mangesh Vaze (Senior Technical Director)
Room Number:	Plot No. D-27 in MIDC Industrial Area
Floor:	Ground Floor
Building Name:	Administration
Road/Street Name:	MIDC Kurkumbh,
Locality:	MIDC Kurkumbh, Taluka: Daund
City:	Pune
11.Whether in Corporation / Municipal / other area	Other Area
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable, Since it's an Industrial Project IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 28264
13.Note on the initiated work (If applicable)	Not Applicable; No work initiated on site.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Existing unit of Cipla Ltd. (Unit-II) is located in notified MIDC area i.e. Kurkumbh MIDC
15.Total Plot Area (sq. m.)	1,60,000 Sq. M.
16.Deductions	NA
17.Net Plot area	1,60,000 Sq. M.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA b) Non FSI area (sq. m.): NA c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval: 01-01-1900
19.Total ground coverage (m2)	28,264.09 Sq. M.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17.66 %
21.Estimated cost of the project	151100000



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22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	API -I	G+3=4	21
2	API -II	G+2=3	17
3	Store	G+1=2	11.2
4	QA/QC Building	G+1=2	10
5	Engg. Office + Utility Building	G+1=2	8.95
6	ETP RO Building	G = 1	8.1
7	ETP MEE Room & Lab	G+1=2	7.75
8	DP Store	G = 1	5.45
9	Acid Shade	G = 1	5
10	Pump House	G = 1	4.9
11	Admin Building	G = 1	4.75
12	HT Breaker Room	G = 1	4.75

23. Number of tenants and shops	Not applicable
24. Number of expected residents / users	NA
25. Tenant density per hectare	NA
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	25-Meter-wide roads provided by MIDC. The MIDC Fire Station is at about 0.5 km from project site.
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Internal roads with minimum 6-meter width and 9-meter turning radius
29. Existing structure (s) if any	Yes, Existing Plant Built up Area - 28,264.09 Sq. M.
30. Details of the demolition with disposal (If applicable)	NA

31. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Darunavir Hydrate (Anti-Retroviral)	0.12	00	0.12
2	Darunavir Ethanolate (Anti-Retroviral)	0.17	00	0.17
3	Efavirenz (Anti-Retroviral)	0.41	00	0.41



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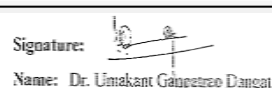
4	Tenofovir Disoproxil Fumarate (Anti-Retroviral)	7.56	4.16	11.72
5	Emtricitabine (Anti-Retroviral)	0.11	00	0.11
6	Lamotrigine (Anti-Consulvant)	0.55	00	0.55
7	Trimetazidine Dihydrochloride (Anti-Anginal)	1.4	00	1.4
8	Ranolazine (Anti-Anginal)	0.09	00	0.09
9	SMK (Anti-Ulcerative)	0.16	00	0.16
10	Pantaprazole Sodium Sesquihydrate (Anti-Ulcerative)	0.05	00	0.05
11	Esomeprazole Magnesium Dihydrate (Anti-Ulcerative)	0.08	00	0.08
12	Lansoprazole (Anti-Ulcerative)	0.13	00	0.13
13	Escitalopram Oxalate (Anti-Depressant)	0.05	00	0.05
14	Citalpram Hydrobromide (Anti-Depressant)	1.24	00	1.24
15	Olmesartam Medoximil (Anti-Hypertensive)	0.17	00	0.17
16	Losartan Potassium (Anti-Hypertensive)	0.26	00	0.26
17	Sibutramine Hydrochloride (Anti-Obesity)	0.13	00	0.13
18	Celecoxib (Anti-Inflammatory)	0.29	00	0.29
19	Raloxifene Hydrochloride (Bone Resorption Inhibitor)	0.11	00	0.11
20	Terbinafine Hydrochloride (Anti-Fungal)	0.25	00	0.25
21	Eluxadoline (Anti-Spasmodics)	00	0.005	0.005
22	Bictegravir (Investigational Drug, Clinical trial 3 ongoing) (Integrase Inhibitor)	00	0.03	0.03
23	R & D Product	00	0.05	0.05
24	Atazanavir Sulphate (Anti-Retroviral)	0	0.25	0.25
25	Tenofovir Alafenamide Fumarate (Anti-Retroviral)	0	0.45	0.45



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32.Total Water Requirement

Dry season:	Source of water	MIDC Water Supply Scheme - The MIDC procures water from Victoria Dam and after treatment the same is provided to different industries in the MIDC.
	Fresh water (CMD):	226
	Recycled water - Flushing (CMD):	88 (In Cooling Makeup)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	314
	Fire fighting - Underground water tank(CMD):	1000
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Wet season:	Source of water	MIDC Water Supply Scheme - The MIDC procures water from Victoria Dam and after treatment the same is provided to different industries in the MIDC.
	Fresh water (CMD):	226
	Recycled water - Flushing (CMD):	88 (In Cooling Makeup)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	269
	Fire fighting - Underground water tank(CMD):	1000
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	16	00	16	2	00	2	14	00	14
Industrial Process	45	12	57	00	00	00	46	16	62



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Cooling tower & thermopack	98	98	196	83	88	171	15	10	25
Gardening	37	8	45	37	8	45	00	00	00

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre-Monsoon - 2.00 to 5.00 mbgl Post-Monsoon - less than 2 mbgl
	Size and no of RWH tank(s) and Quantity:	1 RWH Tank of capacity 2828 M3
	Location of the RWH tank(s):	near ETP is provided on site.
	Quantity of recharge pits:	2828 M3
	Size of recharge pits :	52 X 34.2 M
	Budgetary allocation (Capital cost) :	Rs. 20 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 5 Lakhs
	Details of UGT tanks if any :	NA

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35.Storm water drainage	Natural water drainage pattern:	Dendritic Pattern
	Quantity of storm water:	2344 M
	Size of SWD:	0.5 W X 1.2 H M

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Sewage and Waste water	Sewage generation in KLD:	14
	STP technology:	There is no provision of STP on site. The domestic sewage is treated in existing ETP and same would be followed under expansion.
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	NA
	Disposal of the construction waste debris:	No Major construction would be done since most of infrastructure would be used from existing unit. In existing premises, only few equipment's and machinery would be installed as per requirement.

Waste generation in the operation Phase:	Dry waste:	Plastic, Glass, Ferrous, Wooden, Metal Scrap (Kg/A), Existing- 125, Exp. 10, Total-135, 2. Battery Waste (Kg/A) Existing- 2, Exp. 1, Total-3, 3.E-Waste (Kg/A) Existing- 2, Exp. 1, Total-3,, 4. Discarded containers, drums, carboys, etc (Nos./A). Existing- 2400,. Exp. 1000, Total-3400,
	Wet waste:	NA
	Hazardous waste:	Cat. 5.1 - Used / Spent Oil - (Lit/M) Existing- 200, Expansion- 100, Total-300, 2. Cat. 26.3 - Spent Acid -(MT/M) Existing -30, Expansion- 5, Total -35, 3. Cat. 28.6 - Spent Solvents (KL/M) Existing -378.5, Expansion-102, Total-480.5, 4. Cat. 28.2 - Spent catalyst & .Cat. 28.3 - Spent Carbon (Kg/M) Existing -125, Expansion -200, Total- 325, Cat. 28.5 - 5. Date expired, discarded / chemicals /medicines & Cat. 28.4 - Off-specification drugs/ chemicals /medicines (Kg/M)- Existing -1500, Expansion -100, Total-1600

Mode of Disposal of waste:	Dry waste:	Sale to Authorized Party
	Wet waste:	NA
	Hazardous waste:	Sale to Authorized Party / Sale to Authorized Re-processor / CHWTSDF (Membership No.- MEPL/33003270 -Valid up to 01.05.2023) / Co processing
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	North East direction of Plot area - Plot No. D-27, MIDC Kurkumbh, Daund, Pune, Maharashtra.
	Area for the storage of waste & other material:	84 Sq. M.
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 9 Lakhs
	O & M cost:	Rs. 38.65 Lakhs

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	BOD	mg/lit	1800 - 4600	2 - 14	100
2	COD	mg/lit	6500 - 15000	7 - 61	250
3	TDS	mg/lit	100 - 800	5 - 28	2100
4	pH	--	7 - 8	7-7.5	5.5 - 9.0
5	SS	mg/lit	2000 - 3100	170 - 280	100
Amount of effluent generation (CMD):		101			
Capacity of the ETP:		150			
Amount of treated effluent recycled :		88			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		Trade effluent generated would be the tune of 101 CMD whereas domestic effluent generated would be the tune of 14 CMD after expansion. Effluent would be segregated into 2 streams viz. Stream I (Low TDS and Low COD Effluent from Domestic, Process, Cooling & Boiler b/d, DM Backwash, Scrubber, MEE Condensate from stream - II) @ 71 CMD & Stream II (High TDS and High COD Effluent from process) @ 30 CMD. Stream - I comprises of oil catch, equalization cum neutralization tank, flash mixer, flocculator,			
Disposal of the ETP sludge		Salts from MEE and sludge from Filter press is forwarded to Common Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF), Ranjangaon, Pune for final disposal.			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used / Spent Oil	5.1	Lit/M	200	100	300	Sale to authorized party
2	Spent Acid	26.3	MT/M	30	5	35	Sale to authorized party



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3	Spent Solvents	28.6	KL/M	378.5	102	480.5	Sale to authorized party
4	Spent catalyst / Spent Carbon	28.2 + 28.3	Kg/M	125	200	325	Sale to authorized party / CHWTSDF/ Co-processing
5	Date expired, discarded & off-specification drugs / medicines / chemicals	28.5 + 28.4	Kg/M	1500	1000	2500	CHWTSDF/ Co-processing
6	Discarded container barrels / liners used for hazardous waste / chemicals	33.1	No./M	200	100	300	Sale to authorized party
7	Chemical sludge, oil & grease skimming residues from industrial effluent	35.3	MT/M	0.75	15	15.75	CHWTSDF/ Co-processing
8	Sludge from MEE system	35.3	MT/M	20	50	70	CHWTSDF/ Co-processing
9	Sludge from wet scrubber	35.3	MT/M	0.025	0.050	0.075	CHWTSDF/ Co-processing

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler - 2 TPH; 2 Nos.	FO; 107 Lit/Hr	1	30	0.63	99
2	Thermopack-2 Lakhs kCal/Hr; 1 No.	HSD; 22.68 Lit/Hr	1	30	0.63	168
3	DG Set -1250 KVA; 1 No.	HSD; 85 Lit/Hr.	1	7	0.2	145
4	Process Scrubbers - 5Lit/hr; 3 Nos.	--	3	4	0.3	--

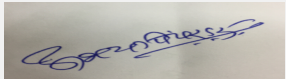
40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD - Thermopack	22.68 Lit/Hr	00	22.68 Lit/Hr
2	Furnace Oil (Boiler)	107 Lit/Hr	00	107 Lit/Hr
3	HSD - DG Set	85 Lit/Hr	00	85 Lit/Hr

41.Source of Fuel From Local Vendors (Indian Oil Corporation Ltd.)

42.Mode of Transportation of fuel to site Through Trucks By Road (Existing)

43.Green Belt Development	Total RG area :	Total Green Belt Area- 58400 Sq. M (36.5 % of Total plot area)
	No of trees to be cut :	Not Applicable, since no tree will be cut for expansion
	Number of trees to be planted :	8760 Nos
	List of proposed native trees :	List of trees is as below
	Timeline for completion of plantation :	5 Years


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44.Number and list of trees species to be planted in the ground				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	1021	Native, evergreen, fast growing, tolerant
2	Dalbergia sissoo	Shisav, Shisham	296	Native, evergreen, tolerant
3	Mimuso pselengi	Bakul	116	Native, ornamental, host plant for bees and butterflies.
4	Pongamia pinnata	Karanj	299	Pollution tolerant
5	Acacia Catechu	Khair	727	Native and pollution resistant
6	Tectona grandis	Saag	725	Native and pollution resistant
7	Ficus racemosa	Umbar	728	Native, evergreen, fast growing, pollution tolerant
8	Cassia fistula	Bahava	116	Native, ornamental, host plant for bees and butterflies.
9	Gmelina arborea	Shivan	725	Native and pollution resistant
10	Pithecello biumdulce	Wilayati Chinch	296	Native, ornamental, host plant for bees and butterflies.
11	Alstonia scholaris	Saptaparni	116	Native, evergreen, higher dust settling index
12	Swietenia mahogani	Mahogani	297	Native, evergreen, higher dust settling index
13	Aegle marmelos	Bel	725	Native and pollution resistant
14	Holigarna grahamii	Ran Bibba	296	Native and pollution resistant
15	Ficusmacrocarpa	Nandruk	727	Native and pollution resistant
16	Melia azedarach	Limbara	725	Native and pollution resistant
17	Bauhinia racemosa	Apta	296	Native and pollution resistant
18	Neolamarckia cadamba	Kadamb	297	Native, Evergreen tree,
19	Lagerstroemia speciosa	Tamhan	199	Native, State flower of Maharashtra
20	Polyalthia longifolia	Ashoka	113	Air pollution absorbing species
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	
1	NA	0	0	
47.Energy				

Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Company Limited (MSEDCL) and from solar power
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	Average power supply - 27 MW per hour for the existing unit, presently taken from Maharashtra State Electricity Distribution Company Limited (MSEDCL) and the same would be the source for the proposed expansion activities. The average power supply - 3 MW per hour will be required for proposed expansion activities.
	During Operation phase (Demand load):	Average power supply - 27 MW per hour for the existing unit, presently taken from Maharashtra State Electricity Distribution Company Limited (MSEDCL) and the same would be the source for the proposed expansion activities. The average power supply - 3 MW per hour will be required for proposed expansion activities.
	Transformer:	NA
	DG set as Power back-up during operation phase:	One existing DG set of capacity 1250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

1. M/s. Cipla Ltd., Unit - II have installed a 79 KWH/Day capacity Solar Power Plant in July 2013. All future installation's roofs will be south- wardly inclined to install more solar panels for higher solar power generation.
2. Use of Green Solvents.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Pollution Control	Stacks, Scrubber	Stacks, Scrubber
Water Pollution Control	Effluent Treatment Plant (ETP)	Effluent Treatment Plant (ETP), ZLD
Noise Pollution Control	Noise Level Management	Noise Level Management
Environmental Management Plan and Monitoring	Environmental Monitoring and Management	Environmental Monitoring and Management
Green Belt Development	Green Belt Development	Green Belt Development

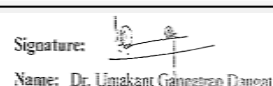
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA



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51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	NA	NA	NA

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control (APC)	APC Equipment's like Stacks, Scrubber	25	4
2	Water Pollution Control - ETP	ETP, MEE ATFD and OCMS	400	150
3	Noise Pollution Control	Noise Level Management, Appropriate PPEs	20	2
4	Environmental Management Plan and Monitoring	Environmental Management Plan and Monitoring	5	15
5	Green Belt Development & RWH	Green Belt Development & RWH	50	10
6	Occupational Health and Safety	Occupational Health and Safety	10	0.5

51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
ACETONE	Liquid	Tankfarm	19.50	19.50	7.34	Taiwan prosperity chemicals corporation	Tanker
CHLOROMETHYL ISOPROPYL CARBONATE	Liquid	Drum Storage	15.00	15.00	9.8	CHEMCON SPECILITY CHEMICALS	HDPE drums
ISOPROPYL ACETATE	Liquid	Tankfarm	21.75	21.75	45	Hunan Zhongchuang Chemical co. ltd.	Tanker
ISOPROPYL ALCOHOL	Liquid	Tankfarm	19.50	19.50	34	DEEPAK FERTILISERS & PETROCHEMICALS	Tanker
METHANOL	Liquid	Tankfarm	19.50	39.00	64	ZAGROS PETROCHEMICAL COAMPANY	Tanker
METHYLENE CHLORIDE	Liquid	Tankfarm	33.00	66.00	32	AKZO NOBEL INDUSTRIAL	Tanker
N-METHYL 2-PYRROLIDONE	Liquid	Drum Storage	16.00	16.00	8.4	BASF CORPORATION-USA	MS drums
ETHYL ACETATE	Liquid	Tankfarm	22.50	22.50	16.32	GODAVARI BIOREFINARIES LTD	Tanker

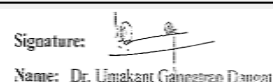
52.Any Other Information



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No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	16,043 m2 (10 % of Total Area)
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6 M
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	As per the provision of "EIA Notification No. S.O. 1533 (E)" dated 14.09.2006 and amendments thereto vide Notification dated 25.06.2014, the proposed project comes under 'Category - B' Item No. 5 (f).
	Court cases pending if any	No any court cases pending
	Other Relevant Informations	Application in the prescribed online format of 'FORM-1' along with the requisite documents is submitted herewith for grant ToRs.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
3	Mr. Alipasha Saudagar (Associate Director)	Mr. Mangesh Waze (Senior Technical Director)



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Signature: 
Name: Dr. Umakant Gangotree Dangat
Dr. Umakant Dangat
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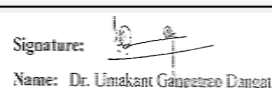
6	Proposed Expansion and Modernization of Existing bulk drugs and intermediate Manufacturing unit	Proposed Expansion of Existing bulk drugs and intermediate Manufacturing unit
31	Olmesartam Medoximil Existing-0.043 Proposed-00 Total-0.043	Olmesartam Medoximil Existing-0.017 Proposed-00 Total-0.017
31	--	Temofovir Alafenamide Fumarate Existing-00 Proposed-0.45 Total-0.45
31	R & D product Existing-00 Proposed-0.5 Total-0.5	R & D product Existing-00 Proposed-0.05 Total-0.05
32	Dry and Wet Season : Fresh water - 149 CMD, Recycled Water - 56 CMD (not for flushing), Total water requirement - 202 CMD	Dry and Wet Season : Fresh water - 140 CMD, Recycled Water - 81 CMD (14 CMD for flushing & 67 CMD for cooling), Total water requirement - 221 CMD
33	Domestic Consumption: Existing (10 CMD), Proposed (0 CMD), Total (10 CMD).	Domestic Consumption: Existing (25 CMD), Proposed (0 CMD), Total (25 CMD).
33	Domestic Loss: Existing (2.5 CMD), Proposed (0CMD), Total (2.5 CMD),	Domestic Loss: Existing (2 CMD), Proposed (0CMD), Total (2 CMD),
33	Domestic Effluent: Existing (7.5 CMD), Proposed (0 CMD), Total (7.5 CMD).	Domestic Effluent: Existing (23 CMD), Proposed (0 CMD), Total (23 CMD).
33	Industrial Process: Existing (40 CMD), Proposed (8 CMD), Total (48 CMD).	Industrial Process: Existing (35 CMD), Proposed (10 CMD), Total (45 CMD).
33	Industrial Process Loss: Existing (0 CMD), Proposed (0CMD), Total (0 CMD),	Industrial Process Loss: Existing (1 CMD), Proposed (4CMD), Total (5 CMD),
33	Industrial Process Effluent: Existing (46 CMD), Proposed (12 CMD), Total (58 CMD)	Industrial Process Effluent: Existing (36 CMD), Proposed (14 CMD), Total (50 CMD).
33	Cooling Tower & Thermopack Consumption: Existing (80 CMD), Proposed (17 CMD), Total (97 CMD)	Cooling Tower & Thermopack Consumption: Existing (95 CMD), Proposed (9 CMD), Total (104 CMD).
33	Cooling Tower& Thermopack Loss: Existing (75 CMD), Proposed (14.5CMD), Total (89.5 CMD),	Cooling Tower& Thermopack Loss: Existing (72 CMD), Proposed (6.5 CMD), Total (78.5 CMD),
33	Cooling Tower& Thermopack Effluent: Existing (5 CMD), Proposed (2.5 CMD), Total (7.5CMD).	Cooling Tower & Thermopack Effluent: Existing (23 CMD), Proposed (2.5 CMD), Total (25.5 CMD).
34	Size and no of RWH tank(s) and Quantity : The details of rainwater harvesting will be incorporated in EIA report.	Size and no of RWH tank(s) and Quantity : one tank; Size - 52M X 34.20 m
34	Location of the RWH tanks(s): The details of rainwater harvesting will be incorporated in EIA report.	Location of the RWH tanks(s): North direction of plot layout.
36	Sewage Generation in KLD: 7.5	Sewage Generation in KLD: 18
37	Waste Generation in Operation Phase: Dry Waste: (1) Plastic Scrap, Glass scrap, wooden scrap, metal scrap and (2) Ash	Waste Generation in Operation Phase: Dry Waste: (1) Plastic Scrap, Glass scrap, wooden scrap, metal scrap (400 MT/Yr.) and (2) Ash (1.75 MT/D), (3) Battery Waste (3 MT/Yr.), (4) E-Waste (3 MT/Yr.)
37	Waste Generation in Operation Phase: Biomedical Waste(if applicable): NA	Waste Generation in Operation Phase: Biomedical Waste (if applicable): Biomedical Waste
37	Mode of Disposal of waste: Biomedical Waste(if applicable): NA	Mode of Disposal of waste: Biomedical Waste (if applicable): Biomedical Disposal Facility
38	Amount of effluent generation (CMD): 73 CMD	Amount of effluent generation (CMD): 98.5 CMD
38	Amount of treated effluent recycled: 56 CMD	Amount of treated effluent recycled: 81 CMD



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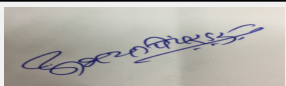
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39	Spent solvent: Cat.: 28.6, UOM: MT/M, Existing: 30, Proposed: 5, Total: 35. Method of Disposal: Sale to authorized party	Spent solvent: Cat.: 28.6, UOM: MT/M, Existing: 378.5, Proposed: 102, Total: 480.5. Method of Disposal: Sale to authorized party
39	Spent Catalyst/Spent Carbon: Cat.: 28.3, UOM:Kg/M, Existing: 500, Proposed: 300, Total: 800. Method of Disposal: CHWTSDF	Spent Catalyst: Cat.: 28.2, UOM: Kg/M, Existing: 125, Proposed: 200, Total: 325 Method of Disposal: CHWTSDF
39	Date expired, Discarded and Off-specification drugs: Cat.: 28.5, UOM:MT/M, Existing: 5, Proposed: 3, Total: 8. Method of Disposal: CHWTSDF	Date expired and Discarded drugs: Cat.: 28.5, UOM: Kg/M, Existing: 1500, Proposed: 1000, Total: 2500 Method of Disposal: CHWTSDF
39	Chemical Sludge from wastewater treatment: Cat.:35.3, UOM:MT/M, Existing: 1.5, Proposed: 18.5, Total: 20. Method of Disposal: CHWTSDF	Chemical Sludge from wastewater treatment: Cat.:35.3, UOM:MT/M, Existing: 0.75, Proposed: 15, Total: 15.75. Method of Disposal: CHWTSDF
39	Sludge from MEE system: Cat.:35.3, UOM:MT/M, Existing: 1.5, Proposed: 18.5, Total: 20. Method of Disposal: CHWTSDF	Sludge from MEE system: Cat.:35.3, UOM:MT/M, Existing: 20, Proposed: 50, Total: 70. Method of Disposal: CHWTSDF
39	Sludge from wet scrubber: Cat.:35.3, UOM:MT/M, Existing: 1.5, Proposed: 18.5, Total: 20. Method of Disposal: CHWTSDF	Sludge from wet scrubber: Cat.:35.3, UOM:MT/M, Existing: 0.025, Proposed: 0.05, Total: 0.075. Method of Disposal: CHWTSDF
40	Boiler- 2 TPH, 2 Nos. Fuel-FO-9.6 Lit/hr	Boiler- 2 TPH, 2 Nos. Fuel-FO-107 lit/hr
40	Thermo pack- 2 Lac kcal/hr, 1 Nos. Fuel-HSD-45 Lit/hr	Thermo pack- 2 Lac kcal/hr, 1 Nos. Fuel-HSD-22.68 lit/hr
40	DG Set - 1250 KVA, Fuel- HSD-11.7 Lit/hr	DG Set - 1250 KVA, Fuel- HSD-85 Lit/hr
44	Green Belt Development: Total RG area: Existing Green belt area - 27,576 Sq. M. (17.23% of Total Plot area)	Green Belt Development: Existing Green belt 48,400 Sq. M. (30% of Total Plot area)
44	No. of trees to be planted: Proposed green belt - 25,224 Sq. M. (16% of total plot area) List of trees to be planted under expansion will be incorporate in EIA report.	Proposed Green belt - 10,000 Sq. M. (6.2% of total plot area) No. of trees to be planted 3970 No. The list of trees planted under existing unit as well as list of trees to be planted under expansion will be incorporated in EIA report.
52	Air Pollution Control - Boiler, stack Capital cost Rs. In Lacs - 25 O & M cost Rs. In Lacs - For all component the O&M cost would be 500 lacs/year	Air Pollution Control - Boiler, stack Capital cost Rs. In Lacs - 25 O & M cost Rs. In Lacs - 4 lacs/year
52	Water Pollution Control - ETP Capital cost Rs. In Lacs - 300 O & M cost Rs. In Lacs - As above mentioned	Water Pollution Control - ETP Capital cost Rs. In Lacs - 400 O & M cost Rs. In Lacs - 150 lacs/year
52	Noise Pollution Control - Noise level Management Capital cost Rs. In Lacs - 20 O & M cost Rs. In Lacs - As above mentioned	Noise Pollution Control - Noise level Management Capital cost Rs. In Lacs - 20 O & M cost Rs. In Lacs - 2 lacs/year
52	Environmental Monitoring & Management - Environmental Monitoring & Management Capital cost Rs. In Lacs - 2 O & M cost Rs. In Lacs - As above mentioned	Environmental Monitoring & Management - Environmental Monitoring & Management Capital cost Rs. In Lacs - 5 O & M cost Rs. In Lacs - 15 lacs/year
52	Occupational Health Safety - Occupational Health Safety Capital cost Rs. In Lacs - 1 O & M cost Rs. In Lacs - As above mentioned	Occupational Health Safety - Occupational Health Safety Capital cost Rs. In Lacs - 10 O & M cost Rs. In Lacs - 0.5 lacs/year
52	Green belt Development - Green belt Development Capital cost Rs. In Lacs - 2 O & M cost Rs. In Lacs - As above mentioned	Green belt Development - Green belt Development Capital cost Rs. In Lacs - For Existing - 50 For Expansion - 5 O & M cost Rs. In Lacs - For Existing - 10 For Expansion - 0.50
52	MEE & VTFD - MEE & VTFD Capital cost Rs. In Lacs - 150 O & M cost Rs. In Lacs - As above mentioned	MEE & VTFD - MEE & VTFD - Merged in Water Pollution Control

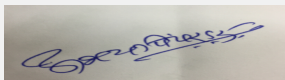

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS	
Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable
Air Quality & Noise Level issues	Not Applicable
Energy Management	Not Applicable
Traffic circulation system and risk assessment	Not Applicable
Landscape Plan	Not Applicable
Disaster management system and risk assessment	Not Applicable
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	Not Applicable
Any other issues related to environmental sustainability	Not Applicable
Brief information of the project by SEAC	



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PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015. The proposal was considered in the 151st meeting of SEAC-1 wherein the ToR was granted to the PP along with following additional ToR points for the preparation of EIA/EMP report.

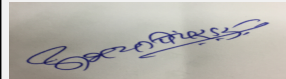
1. PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2. PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas, 33% green belt, rain water harvesting etc.
3. PP to submit copy of Structural Stability Certificate of the structures exists on the site.
4. PP to submit an undertaking for not having any eco sensitive area in the range of 5 KM from proposed project site. bmit an undertaking for not violating any requirements of EIA Notification, 2006.
5. PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
6. PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc
7. PP to carry out HAZOP and Risk Assessment study and submit Disaster Management Plan.
8. PP to submit hazardous chemical handling protocol
9. PP to submit drawings, cross sectional drawings of the manufacturing units, equipment layout plan along with report on adequacy of the existing space for the expansion activities.
10. PP to include highlights of chemistry involved in the process in the EIA report.
11. PP to submit detailed water balance calculations and include details of water conservation measure adopted in the EIA report.
12. PP to submit details of ETP design with respect to the design of units proposed for effluent treatment. PP to ensure ZLD for the effluent treatment.
13. PP to use solar power of administrative building and street lights.
14. PP to submit Form - 2 along with EIA/EMP report as per OM issued by MoEF&CC on 20.04.2018.
15. PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.

Now PP submitted EIA/EMP report for appraisal.

As the industry is located in the notified industrial area/estate (MIDC), Public Hearing is exempted under the provisions as per para 7 III Stage (3) (b) of the EIA Notification, 2006.

PP to submit certified copy of compliance of earlier EC No.J-11011/368/2006-IA (I) dated 31.07.2007 from Regional Office of MoEF&CC, Nagpur as per OM issued by MoEF&CC on 07/09/2017.

PP to collect base line data as per Office Memorandum issued by MoEF&CC dated 27.08.2017.

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DECISION OF SEAC

PP requested to postpone the case.

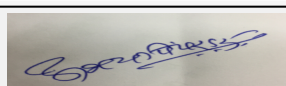
Hence, deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-I decided to defer the proposal. Kindly find SEAC decision above.

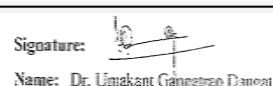
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