

Agenda of 161th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day-4)

SEAC Meeting number: 161 Meeting Date February 16, 2019

Subject: Environment Clearance for Subject: Environment Clearance for Proposed Kotgal Barrage Project across Wainganga River, Village Kotgal, Taluka and District Gadchiroli, Maharashtra by Vidarbha Irrigation Development Corporation (VIDC) Nagpur

Is a Violation Case: No

1.Name of Project	Proposed Kotgal Barrage Project across Wainganga River, Village Kotgal, Taluka and District Gadchiroli, Maharashtra by Vidarbha Irrigation Development Corporation (VIDC) Nagpur. Capacity: 7780 Ha CCA (Kotgal LIS: 3294 ha CCA, Porla Wasa LIS: 3078 ha CCA, Gogaon LIS: 408 ha CCA and Virgin Command: 1000 ha CCA).
2.Type of institution	Government
3.Name of Project Proponent	M/s. Executive Engineer, Minor Irrigation Division, Chandrapur by Vidarbha Irrigation Development Corporation (VIDC), Nagpur, Chandrapur Irrigation Project Circle, Chandrapur
4.Name of Consultant	SMS Envocare Ltd. Pune Maharashtra
5.Type of project	Barrage Project For Irrigation
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Village and Panchayat Kotgal, Zilla Parishad Gadchiroli Post
9.Taluka	Gadchiroli
10.Village	Kotgal
Correspondence Name:	Mr. A. A. Meshram, Executive Engineer, Gadchiroli, Irrigation Division, Gadchiroli
Room Number:	Complex Area
Floor:	Na
Building Name:	NA
Road/Street Name:	Mul-Chandrapur Road
Locality:	Gadchiroli
City:	Gadchiroli
11.Area of the project	Water Resource Department Government of Maharashtra
12.IOD/IOA/Concession/Plan Approval Number	MWRRRA Approval (MWRRRA/2009/PRCL/VIDC/57/477) dated 29/07/2011. Original Administrative approval from Water Resource Department, Government of Maharashtra has been secured Vide Letter No. ???/??/(??/???) Mumbai, Dated - ??/??/???. 1st Revised Administrative Approval from VIDC, Nagpur vide L.No. VIDC/EDT-6(2)/Kotgal Barrage 1st RAA/2018 Dt, 31.12.2018 IOD/IOA/Concession/Plan Approval Number: MWRRRA Approval (MWRRRA/2009/PRCL/VIDC/57/477) dated 29/07/2011. Original Administrative approval from Water Resource Department, Government of Maharashtra has been secured Vide Letter No. ???/??/(??/???) Mumbai, Dated - ??/??/???. 1st Revised Administrative Approval from VIDC, Nagpur vide L.No. VIDC/EDT-6(2)/Kotgal Barrage 1st RAA/2018 Dt, 31.12.2018 Approved Built-up Area:
13.Note on the initiated work (If applicable)	No any work has initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MWRRRA Approval (MWRRRA/2009/PRCL/VIDC/57/477) dated 29/07/2011. Original Administrative approval from Water Resource Department, Government of Maharashtra has been secured Vide Letter No. ???/??/(??/???) Mumbai, Dated - ??/??/???. 1st Revised Administrative Approval from VIDC, Nagpur vide L.No. VIDC/EDT-6(2)/Kotgal Barrage 1st RAA/2018 Dt, 31.12.2018
15.Total Plot Area (sq. m.)	Not applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.):


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 1 of 70

Signature: 
Name: Dr. Umakant Dangat (Chairman SEAC-I)

18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval: 31-12-2018
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	6969800000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
2	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))	Not applicable where as required internal and excess road shall be developed with sufficient width
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	No demolition work involve with the proposed scheme

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not Applicable as this is Barrage Project For Irrigation purpose	Not Applicable	Not Applicable	Not Applicable

32.Total Water Requirement



Abhay Pimparkar (Secretary SEAC-I)


SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 2 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

Dry season:	Source of water	River Wainganga								
	Fresh water (CMD):	Not applicable								
	Recycled water - Flushing (CMD):	Not applicable								
	Recycled water - Gardening (CMD):	Not applicable								
	Swimming pool make up (Cum):	Not applicable								
	Total Water Requirement (CMD) :	103.44 mm ³ /Annum								
	Fire fighting - Underground water tank(CMD):	Not applicable								
	Fire fighting - Overhead water tank(CMD):	Not applicable								
	Excess treated water	Not applicable								
Wet season:	Source of water	River Wainganga								
	Fresh water (CMD):	Not applicable								
	Recycled water - Flushing (CMD):	Not applicable								
	Recycled water - Gardening (CMD):	Not applicable								
	Swimming pool make up (Cum):	Not applicable								
	Total Water Requirement (CMD) :	103.44 mm ³ /Annum								
	Fire fighting - Underground water tank(CMD):	Not applicable								
	Fire fighting - Overhead water tank(CMD):	Not applicable								
	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)			
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Fresh water requirement	NA	150	150	NA	NA	NA	NA	NA	NA	


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 3 of 70

Signature: 
 Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

34. Rain Water Harvesting (RWH)	Level of the Ground water table:	4.10 m to 15.30 m
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not Applicable
35. Storm water drainage	Natural water drainage pattern:	From N direction to S direction
	Quantity of storm water:	Not Applicable
	Size of SWD:	Not Applicable
Sewage and Waste water	Sewage generation in KLD:	3.6
	STP technology:	Facility or Modular STP with modular Toilets will be provided during construction phase by selected contractor. Waste water treatment facility will also be provided during construction phase.
	Capacity of STP (CMD):	1 No. 5 m ³ /day
	Location & area of the STP:	With in Project Site
	Budgetary allocation (Capital cost):	21 lakhs
	Budgetary allocation (O & M cost):	2.5 lakhs /Annum
36. Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	The spoil material will be stored or dumped properly in safe place. Thesame will be used for filling and internal road development. No miningwork is involved with the project. The average per capita solid waste generated will be of the order of about 250 gm./day/person. About 42.00 kg/day of Solid waste is expected to be generated by the construction labors.
	Disposal of the construction waste debris:	The spoil material will be stored or dumped properly is safe place. Thesame will be used for filling and internal road development. Adequatefacilities for collection conveyance of domestic waste duringconstruction shall be provided for safe disposal. Domestic solid waste shall be stored Separately into organic and inorganic material. Organic material will be managed by composting whereas inorganic material will be segregated into metallic and non-metallic material and shall be managed as per dir


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019


Page 4 of 70

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

Waste generation in the operation Phase:	Dry waste:	Total 700 kg of domestic waste will be generated. Thus the Volume of solid waste will be 2.5 m ³ .
	Wet waste:	Very less amount of wet waste will be generated.
	Hazardous waste:	Empty drums and containers, waste oil and soil collected near to DG set which may contain oil and grease will be generated during maintenance of project.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	35-40 kg/month
	Others if any:	Not applicable
Mode of Disposal of waste:	Dry waste:	Domestic solid waste shall be stored Separately into organic and inorganic material. Organic material will be managed by composting whereas inorganic material will be segregated into metallic and non-metallic material and shall be managed as per directives of MPCB and appointed authorized vendor.
	Wet waste:	Wet waste will be stored and shall manage by composting. Composted material shall be used as manure for plantation work.
	Hazardous waste:	Hazardous waste is generated shall be handled and stored at site as per Hazardous and Other Wastes (Management and Trans-boundary Movement) Rule, 2016. Ultimately this hazardous waste shall be sent to nearest TSDF facility so that can be treated scientifically and can be disposed properly as per prevailing rule and directives.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Used as an manure
	Others if any:	Not applicable
Area requirement:	Location(s):	Storage facility will be provide for storage of Domestic waste, Biomedical waste and Hazardous waste. It shall be the responsibility of selected contractor to manage all kind of waste as per direction of CPCB/MPCB.
	Area for the storage of waste & other material:	As above
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Cost of the same is included in the total Capital cost of the plant.
	O & M cost:	Cost of the same is included in the total Capital cost of the plant.

37. Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 5 of 70

Signature: 
Name: Dr. Umakant Dangat (Chairman SEAC-I)

Disposal of the ETP sludge	Not applicable
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38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Waste Oil & Grease	20	Kg/day	No	No	No	Authorized Vendor

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	DG Set 160 KVA	RHSD	1	8.0 m	115 mm	195

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	Required fuel shall be provided	Required fuel shall be provided

41.Source of Fuel Local Market

42.Mode of Transportation of fuel to site Local Market by Road Transport

43.Green Belt Development	Total RG area :	Not applicable
	No of trees to be cut :	It shall be ensure not to remove tree of other vegetation.
	Number of trees to be planted :	3650
	List of proposed native trees :	Istoniascholaris, Albizialebeck, Azadirachtaindica, Ficusreligiosa,Meliaazedarach, Mimusopselengi, Polyalthialongifolia, Terminaliaarjuna, Azadirachtaindica, Buteamonosperma,Grevilleaptehdifolia, Tamarindusindica, Terminaliaarjuna, Lagerstroemia flosreginae,Anthocephaluscadamba, Bauhinia purpurea, Cassia fistula, Cassia siamea, Meliaazedarach, Micheliachampaca,Pongamiapinnata.
	Timeline for completion of plantation :	Up to four year from construction period

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	Alstoniascholaris	PBlack Board tree	As per Requirement	Sulphur Dioxide Absorbing species
2	Albizialebeck	Fry wood	As per Requirement	Sulphur Dioxide Absorbing species
3	Azadirachtaindica	Neem	As per Requirement	Sulphur Dioxide Absorbing species
4	Ficusreligiosa	Banyan Tree	As per Requirement	Sulphur Dioxide Absorbing species
5	Buteamonosperma	Palash	As per Requirement	Reduce Noise Pollution
6	Tamarindusindica	Tamarind	As per Requirement	Reduce Noise Pollution
7	Anthocephaluscadamba	Kadam	As per Requirement	Suspended Pollutant controlling Plant/Other Ornamental plant

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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Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 6 of 70



Name: Dr. Umakant Dangat (Chairman SEAC-I)

1	NA	NA	0
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47. Energy

Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Corporation Limited (MSEDCL)
	During Construction Phase: (Demand Load)	DG sets shall be provided as per requirement
	DG set as Power back-up during construction phase	DG sets shall be provided as per requirement
	During Operation phase (Connected load):	Total Power requirement for proposed scheme is estimated as 1.0 MVA and the same shall be sourced from MSEDCL.
	During Operation phase (Demand load):	Total Power requirement for proposed scheme is estimated as 1.0 MVA and the same shall be sourced from MSEDCL.
	Transformer:	Substation to be provided
	DG set as Power back-up during operation phase:	DG sets shall be provided as per requirement
	Fuel used:	High Speed Diesel
Details of high tension line passing through the plot if any:	No applicable	

48. Energy saving by non-conventional method:

Not applicable

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Not applicable	Not applicable

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Dust Emission due to Construction activity	NA	Regular Water Sprinkling & Green Belt Development
Emission from Transportation activity	Not applicable	Regular water sprinkling shall be done. Transportation of construction material by closed trucks. Disposal of excavated material at safe place so as to used during construction work, refilling and leveling of low land area.
Emission from DG Sets	Not applicable	Proper stck height will be provided

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not applicable
	O & M cost:	Not applicable

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

 Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 161 Meeting Date: February 16, 2019	Page 7 of 70	 Dr. Umakant Dangat (Chairman SEAC-I)
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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Green Belt Development Plan	Plantation, Nursery formation, maintenance etc.	7.25
2	Solid Waste & Sanitation Management Plan	Solid waste management, Haz. Waste Management, Biomedical waste management, Facility for sanitation, drinking water facility, health check-up and assistance etc.	21.20
3	Health Management Plan	Medical and health support, vaccination, distribution of medicine, arrangement of mobile van, first aid post, PPEs etc.	23.74
4	Environmental Monitoring Plan	AAQ, GW/SW monitoring, inventory of Solid and hazardous waste, monitoring of plantation, ensuring use of PPEs, regular submission of Compliance report, ensuring the compliance of consent/ EC condition.	12

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Green Belt Development	Plantation, Nursery formation, maintenance etc.	7.25	2
2	Solid Waste & Sanitation Management Plan	Solid waste management, Haz. Waste Management, Biomedical waste management, Facility for sanitation, drinking water facility, health check-up and assistance etc.	21.20	5
3	Environmental Monitoring Plan	AAQ, GW/SW monitoring, inventory of Solid and hazardous waste, monitoring of plantation, ensuring use of PPEs, regular submission of Compliance report, ensuring the compliance of consent/ EC condition.	12	4



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 8 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

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
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Approach and internal road shall be developed for proper transportation of construction material during construction period. It shall be ensured to maintain existing road for transportation of material. Proper traffic arrangement shall be ensured to avoid the unwanted accidents during transportation.
Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Not applicable
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Public Transport facility are available at approachable distance at Kotgal Village. Rajuli Railway Station is also located at 28.63 km distance
	Width of all Internal roads (m):	Minimum 6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable.
	Category as per schedule of EIA Notification sheet	Item 1 (c) "River Valley Projects" in EIA Notification, 14th September, 2006 and amendments thereafter



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 9 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

	Court cases pending if any	No applicable
	Other Relevant Informations	<p>The detailed estimate for Kotgal Barrage Project is framed on the basis of General layout prepared. The rates for different items are adopted as per Irrigation CSR 2009-2010 & PWD CSR 2009-2010 (Civil & Mechanical). For RCC items separate analysis for Batching plant, Staging etc. are done. Provisions for Dewatering, de-silting & Cofferdam are also being made in the estimate. Provision under 'A' Preliminary and 'B' Land etc. are also being considered in the estimate. The total original cost of the scheme is worked out to be Rs. 365.71 Cr. Inclusive of Direct and indirect Charges.</p> <p>The revised cost of the project is worked out to be Rs. 696.96 Cr. . Total 1819.36 ha of area within River bank & nearby low line areas will be submergence including 379.96 Ha of private land and 56.86 ha. of forest land. Resettlement and Rehabilitation shall be done as per applicable State and Central Acts and Guidelines. Total 56.86 ha of forest area will be submergence. Proposal for seeking prior approval of Central Government under the Forest (Conservation) Act 1980 has been submitted on 5th June, 2017 and Stage I Clearance has been granted by MOEFCC, Govt. of India vide letter Dtaed 08.01.2019.</p> <p>4 numbers of sluice gates of size 1.2X1.2 m are proposed for releasing controlled discharged of water for downstream requirements. River bed width at site is measured about 750 m (RD 690 to RD 1440 m). So 42 gates of 15.0 m each opening is proposed with pier width 3.0 m. and 4 number of piers are of 4.5 m width to accommodate the sluice gates. This arrangement covers the entire width of River. This way the gates shall be total 42 numbers of sizes 15.0 X 9.0 m each. End piers shall have width of 1.50 m.</p> <p>The left side 105 m portion of Barrage shall have foundation on RL 179.00, in middle 510 m of Barrage 183.00 & rest Right side 105 m the foundation level proposed at RL 181.00 m. Foundation RL of protection work (Divide wall, Guide wall etc.) on L/S and R/S is proposed at RL 179.00 m and 181.00 m respectively. However these levels may be revised during execution as per actual strata met with.</p> <p>The Sill level of Barrage is proposed at RL 188.900 m which coincides with average bed level of the river.</p> <p>To store maximum yield and fulfill the requirements, the FRL is fixed at RL 197.900 m, which is well within the banks of River. Thus the live storage up to F.R.L. shall be 59.524 Mm³.</p> <p>The HFL at barrage site, considering the Designed discharge of river, worked out as 201.830 m.</p> <p>The AHFL calculations are done. Thus the afflux of 0.5 m is worked out. This way AHFL is fixed at RL 202.330 m.</p> <p>The gross catchment area up to the project site is 44200 sq. km. (17065.65 sq. miles) of which 14903 sq. km. lies in MP & remaining 29297 sq. km. lies in Maharashtra State. The free catchment area considered for yield calculations are 4979.18 sq. km.</p>
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	27-07-2017

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 conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits on site.
Water Budget	Water budget is given in the Sr.33 of Consolidated statement.
Waste Water Treatment	PP to ensure the domestic waste water generated if any shall be collected and treated so as to meet the prescribed standards of CPCB.



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 10 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

Drainage pattern of the project	PP has considered the contour in the design of the project.
Ground water parameters	As per data submitted by PP, ground water parameters are within the prescribed limits at project site.
Solid Waste Management	PP proposes to store the muck at pre-designed location.
Air Quality & Noise Level issues	PP proposes intermittent water sprinkling on haul roads, dumps, construction site for suppression of dust. Use of covered transportation vehicles, tree plantation.
Energy Management	PP to ensure regular maintenance of DG set to reduce air pollution and maximum energy efficiency.
Traffic circulation system and risk assessment	PP provided adequate approach roads to the site.
Landscape Plan	PP proposes to plant domestic species of trees along the bank of the river with provision of drip irrigation.
Disaster management system and risk assessment	PP proposes adequate steps to handle an emergency.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP prepared EMP of Rs. 64.20 Lakhs during construction phase, Rs. 40.45 Lakhs as capital cost and Rs. 11.00 Lakhs as O & M cost to maintain environmental parameters.
Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 11 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

PP submitted their application for the grant of TOR under category 1(c)B1 as per EIA Notification, 2006 for expansion of existing unit. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 141st meeting wherein ToR was granted to the PP for the preparation of the EIA/EMP reprot.

The project is on the river Wainganga having submergence of total 1819.36 Ha of which 379.96 Ha is private land, 56.86 is forest land and 1382.54 Ha is within river bank.

PP informed that they have submitted application for forest clearance on 15.05.2017.

Now PP submitted EIA/EMP report for appraisal.

Public Hearing was conducted on 9th October, 2018 at Gadchiroli and on 26th October, 2018 at Chandrapur.

Forest diversion permission in principle was granted by MoEF&CC in on 8th January, 2019.


DECISION OF SEAC

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

Specific Conditions by SEAC:

- 1) 1. PP to obtain revised approval from the competent Authority as required under MWRRA before actual commencement of the work on site. PP to comply with all legal requirements as applicable to the proposed project.
- 2) PP to plant domestic/indigenous tress in the development of green belt.
- 3) PP to provide first aid facility at proposed project site.
- 4) 6. PP shall carryout muck disposal at pre-designed site in such a manner so as to avoid its rolling down. The dumping area for muck disposal shall be stabilized and reclaimed by planting domestic species of trees.
- 5) PP to provide bio toilets on the site and also ensure that the wet waste is also disposed off in the scientific manner.
- 6) PP to ensure that there shall not be cutting of any existing trees on the site.
- 7) Retaining wall/terracing shall be carried out to hold the dumping material in place.
- 8) PP to ensure that, there shall not be damage to the flora and fauna of the adjoining areas during proposed activity.
- 9) PP to ensure effective implementation and monitoring of the EMP.
- 10) PP to prepare and implement CER plan in consultation with the District Collector as per OM dated 01.05.2018.

FINAL RECOMMENDATION


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


**SEAC Meeting No: 161 Meeting Date: February
16, 2019**

**Page 12
of 70**

Signature: 
Name: Dr. Umakant Dangat
**Dr. Umakant Dangat
(Chairman SEAC-I)**

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

SEAC-AGENDA-00000000217


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

**SEAC Meeting No: 161 Meeting Date: February
16, 2019**

**Page 13
of 70**

Signature: 
Name: **Dr. Umakant Dangat
(Chairman SEAC-I)**

Agenda of 161th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day-4)

SEAC Meeting number: 161 Meeting Date February 16, 2019

Subject: Environment Clearance for Proposed Expansion of Synthetic Organic Chemicals Manufacturing Facility by Excel Industries Limited at Plot No.D-9, MIDC, Lote Parshuram, Taluka Khed, Dist. Ratnagiri

Is a Violation Case: No

1.Name of Project	Proposed Expansion of Synthetic Organic Chemicals Manufacturing Facility by Excel Industries Limited at Plot No.D-9, MIDC, Lote Parshuram, Taluka Khed, Dist. Ratnagiri
2.Type of institution	Private
3.Name of Project Proponent	Excel Industries Limited
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Industrial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion within existing manufacturing facility
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Existing EC letter SEAC-2010/CR.516/TC-2 dated 6th July 2011
8.Location of the project	Plot No.D-9, MIDC, Lote Parshuram, Taluka Khed, Dist. Ratnagiri
9.Taluka	Khed
10.Village	Lote
Correspondence Name:	Ekanath Karekar
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	--
City:	--
11.Area of the project	MIDC Lote Parshuram
12.IOD/IOA/Concession/Plan Approval Number	MIDC Lote Parshuram IOD/IOA/Concession/Plan Approval Number: MIDC plot plan approval Approved Built-up Area: 31173.63
13.Note on the initiated work (If applicable)	Existing facility pertains to manufacturing of synthetic organic chemical.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC plot plan approval
15.Total Plot Area (sq. m.)	73303 sq.m
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.): 31173.63
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	1250000000

22.Number of buildings & its configuration


Abhay Pimparkar (Secretary
SEAC-I)

SEAC Meeting No: 161 Meeting Date: February
16, 2019

Page 14
of 70

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat
(Chairman SEAC-I)

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))	As per MIDC DC rule		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	As per MIDC DC rule		
29.Existing structure (s) if any	Existing facility is for manufacturing of synthetic organic chemical.		
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	Sodium Penta Chloro Phenate and its Formulations	1800 TPA	700 TPA	2500 TPA
2	Hydroxy Ethylidene Di- Phosphonic Acid and its Formulations (Codex 661 and Formulation)	7200 TPA	27800 TPA	35000 TPA
3	Acetyl Chloride	3600 TPA	2900 TPA	6500 TPA
4	Sodium Salt of 5 Sulphono Isophthalic Dimethyl Ester (SIPM)	360 TPA	0 TPA	360 TPA
5	Amino Tri-methylene Phosphonic Acid and its formulations (ATMP)	1200 TPA	10800 TPA	12000 TPA
6	Codex-551	600 TPA	0 TPA	600 TPA
7	Dispercel-32 (Poly Malic Acid)	252 TPA	0 TPA	252 TPA
8	THPE [1,1,1, Tris (4-Hydroxy Phenyl) Ethane]AND/OR DMBPC (Di-methyl Bis Phenol Cyclohexane (DMBPC) and its Derivatives	1025 TPA	475 TPA	1500 TPA
9	Lauracel	30 TPA	0 TPA	30 TPA
10	4 - Hydroxythiobenzamide FEBUXOSTAT T1	12 TPA	0 TPA	12 TPA
11	Ethyl 2-(4-hydroxyphenyl)-4-methylthiazole-5-carboxylate FEBUXOSTAT T2	18 TPA	0 TPA	18 TPA
12	Ethyl 2-(3-formyl-4 hydroxyphenyl)-4-methylthiazole-5-carboxylate FEBUXOSTAT T3	15 TPA	105 TPA	120 TPA
13	Ethyl 2-(3-formyl-4 isobutoxyxyphenyl)-4-methylthiazole-5-carboxylate FEBUXOSTAT T4	14 TPA	0 TPA	14 TPA
14	Ethyl 2-(3-cyano-4 isobutoxyxyphenyl)-4-methylthiazole-5-carboxylate FEBUXOSTAT T-5 and / OR Ethyl 2-(3-cyano-4 Isobutoxyxyphenyl)-4-methyl-1, 3 thiazole-5carboxylic acid Febuxostat	42 TPA	33 TPA	75 TPA
15	Ethyl 2-(3-cyano-4 Isobutoxyxyphenyl)-4-methyl-1, 3 thiazole-5carboxylic acid FEBUXOSTAT T-6	0 TPA	25 TPA	25 TPA
16	5-(Bromomethyl)-4-(4-fluorophenyl)-6-(-1-methylethyl)-2-methyl (methylsulfonyl)amino pyrimidine Z 7 Br	48 TPA	0 TPA	48 TPA
17	Phosphonium, {[4-(4-fluorophenyl)-6-(1-methylethyl)-2[methyl methylsulfonyl]amino]-5 pyrimidinyl} methyl] triphenyl bromide (1:1) Z 8.2	60 TPA	0 TPA	60 TPA
18	N- [4-(4- Fluorophenyl) -5 formyl-6-(1-methylethyl)-2-pyrimidinyl]-N-methyl methane sulfonamide Z 7 Formyl	25 TPA	0 TPA	25 TPA
19	6-Hydroxy-3,4-dihydro-1H-quinoline-2-one 6 HQ	20 TPA	0 TPA	20 TPA


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 15 of 70


Dr. Umakant Dangat (Chairman SEAC-I)

20	4-[4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]-hydroxybutyl]-a-a-dimethylphenylacetic acid Fexofenadine N-1 and / OR a,a- Dimethyl -4-[1- Hydroxy -4 [4-(hydroxydiphenylmethyl)-1-piperidinyl]-piperidinyl]butyl]-benzeneacetic acid hydrochloride (Fexofenadine Hydrochloride) and its derivatives	26 TPA	0 TPA	26 TPA
21	1,3; 2,4 -bis (3,4- dimethyl benzylidene) sorbitol Exclar	75 TPA	0 TPA	75 TPA
22	n- Octyl Phosphonic acid NOPA	75 TPA	0 TPA	75 TPA
23	Pregabalin ((S) -3-(aminomethyl)-5-methylhexanoic acid) and its intermediates	20 TPA	0 TPA	20 TPA
24	Sitagliptine Phosphate, (3-(Trifluoromethyl)-5,6,7,8 - tetrahydro-[1,2,4] triazolo [4,3-a] pyrazine hydrochloride)(intermediate)	20 TPA	0 TPA	20 TPA
25	4-[5-(4-Methylphenyl)3-3-(trifluoromethyl pyrazol-1-yl) benzenesulfonamide and Celecoxib intermediate (4- Hydrazinobenzene-1-sulfonamide Hydrochloride)	10 TPA	0 TPA	10 TPA
26	Benfotamine Phosphate	20 TPA	0 TPA	20 TPA
27	Celestistat	6 TPA	0 TPA	6 TPA
28	Silodosine	2 TPA	0 TPA	2 TPA
29	4- Acetoxy styrene (4-ACS)	0 TPA	100 TPA	100 TPA
30	Dibenzoyl Methane (DBM)	0 TPA	100 TPA	100 TPA
31	Phenyl Hydrazine	0 TPA	600 TPA	600 TPA
32	Phenyl Hydrazine Hydrochloride	0 TPA	500 TPA	500 TPA
33	4- chloro Phenyl Hydrazine	0 TPA	200 TPA	200 TPA
34	4 Hydroxy benzene sulphonamide hydrochloride (4-HBS)	0 TPA	500 TPA	500 TPA
35	3-[(S)-1-TERTBUTOXYCARBONYL- 4 -OXOPYRROLIDIN-2-YL CARBONYL] THIAZOLIDINE (OXO)	0 TPA	25 TPA	25 TPA
36	Teneligliptin Hydrobromide Hydrate (Teneligliptin)	0 TPA	40 TPA	40 TPA
37	PPZ-1-(3-Methyl-1-phenyl-1-pyrazol-5-yl) piperazine.	0 TPA	25 TPA	25 TPA
38	Solifenacin Base	0 TPA	3 TPA	3 TPA
39	Solifenacin Succinate	0 TPA	3 TPA	3 TPA
40	Sertaconazole	0 TPA	20 TPA	20 TPA
41	Nizatidine	0 TPA	25 TPA	25 TPA
42	(R)-9-[2(phosphonomethoxy) propyl] Adenine (PMPA)	75 TPA	0 TPA	75 TPA
43	Fluorobenzene , its Derivatives and other fluorinated compounds	0 TPA	1000 TPA	1000 TPA
44	Phonates and its Derivatives	0 TPA	500 TPA	500 TPA
45	Phosphates and derivatives	0 TPA	500 TPA	500 TPA
46	Phosphites and its derivatives	0 TPA	500 TPA	500 TPA
47	R&D and Pilot for Industrial Chemicals and Intermediates	0 TPA	60 TPA	60 TPA
48	Spent Acid (By product)	1645 TPA	0 TPA	1645 TPA
49	Dil Methanol (By product)	450 TPA	0 TPA	450 TPA
50	Hydro Chloric Acid (By product)	15000 TPA	60000 TPA	75000 TPA
51	Dilute Acetic Acid (By product)	1200 TPA	0 TPA	1200 TPA
52	Methanol (By product)	600 TPA	0 TPA	600 TPA
53	Sodium Sulphite 30% (By product)	936 TPA	0 TPA	936 TPA
54	Spent Ethyl Bromide (By product)	187.5 TPA	0 TPA	187.5 TPA
55	Spent Magnesium Acetate (By product)	75 TPA	0 TPA	75 TPA
56	Spent Sodium Bromide Solution (By product)	1424.5 TPA	0 TPA	1424.5 TPA
57	Dilute Thiophosphoric Acid (By product)	11.75 TPA	0 TPA	11.75 TPA
58	Dilute Methane Sulphonic Acid (By product)	195 TPA	0 TPA	195 TPA
59	Dilute Dimethyl Formamide (By product)	56 TPA	0 TPA	56 TPA
60	Dilute Bromide Solution (By product)	140 TPA	0 TPA	140 TPA
61	Formic Acid (By product)	96 TPA	0 TPA	96 TPA

32.Total Water Requirement



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 16 of 70

Signature:




Name: Dr. Umakant Dangat

Dr. Umakant Dangat (Chairman SEAC-I)

Dry season:	Source of water	MIDC
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	1330 cmd
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	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	66	20	86	3	2	5	63	18	81
Industrial Process	123	596	719	41	141	182	82	455	537
Cooling tower & thermopack	218	232	450	215	223	438	3	9	12
Gardening	50	25	75	50	25	75	0	0	0


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 17 of 70

Signature: 
Name: Dr. Umakant Dangat (Chairman SEAC-I)

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	--
	Size and no of RWH tank(s) and Quantity:	--
	Location of the RWH tank(s):	--
	Quantity of recharge pits:	--
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	--
	Budgetary allocation (O & M cost) :	--
	Details of UGT tanks if any :	--
35.Storm water drainage	Natural water drainage pattern:	--
	Quantity of storm water:	--
	Size of SWD:	--
Sewage and Waste water	Sewage generation in KLD:	81 cmd
	STP technology:	Not applicable. Sewage will be treated in combined ETP (At Aeration tank)
	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:	Minor quantity of construction debris will be generate.
	Disposal of the construction waste debris:	Construction debris will be disposed off as per norms.
Waste generation in the operation Phase:	Dry waste:	Used Bags: 450 Nos./A, Oil Tin: 650 Nos./A, Wooden pallets: 3000 Nos./A, Plastic/Polyvinyl Bags: 28200 Nos./A, M.S. Scrap: 150 TPA, Canteen Waste: 20 TPA. Paper Waste: 15 TPA, Boiler ash: 4200 TPA, Fly ash: 21 kg/A
	Wet waste:	--
	Hazardous waste:	Filter and Filter Material containing organic chlorine compound, ETP Sludge from Primary Treatment, Sludge generated Spray Dryer, Spent organic catalyst, Distillation Residue, Distillation residue from R&D and Pilot Plant, Flue Gas Cleaning Residue(Boiler shoot, Spent in Exchange resins, Used/ Spent oil, Discarded Containers
	Biomedical waste (If applicable):	Waste sharps: 20 kg/Month, Expired or Discarded Medicines: 10 kg/Month, Soiled Waste: 40 kg/Month
	STP Sludge (Dry sludge):	--
	Others if any:	E waste: 5 TPA

Mode of Disposal of waste:	Dry waste:	Non Hazardous waste will be sale to authorized dealer
	Wet waste:	--
	Hazardous waste:	hazardous waste will be disposed off as per Hazardous waste rule 2016.
	Biomedical waste (If applicable):	Biomedical waste will be disposed off as per norms.
	STP Sludge (Dry sludge):	--
	Others if any:	E waste will be disposed off to authorized dealer
Area requirement:	Location(s):	within plot
	Area for the storage of waste & other material:	--
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	--
	O & M cost:	--

37. Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	4 to 6	6.5 to 9	< 6.5 to 9
2	Total Suspended solids	mg/L	400 to 500	100	< 100
3	Total Dissolved Solids	mg/L	8000 to 10000	2100	< 2100
4	Chemical Oxygen Demand	mg/L	8000 to 10000	250	< 250
5	Ammonical Nitrogen	mg/L	70 to 100	50	< 50
Amount of effluent generation (CMD):		630 cmd			
Capacity of the ETP:		100 cmd			
Amount of treated effluent recycled :		--			
Amount of water send to the CETP:		630 cmd			
Membership of CETP (if require):		Yes			
Note on ETP technology to be used		Untreated Effluent > Equalization > Neutralization > coagulation > Pri. clarifier > Aeration > Sec. clarifier > Pressure sand filter > Activated carbon filter > RO unit > RO permeate recycle > RO reject & High Load stream to MEE > MEE permeate to recycle			
Disposal of the ETP sludge		To CHWTSDF			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Filter and Filter Material containing organic chlorine compound	36.2	TPA	3	6	9	Landfill at CHWTSDF
2	ETP Sludge from Primary Treatment & Salts generated from spray dryer	35.3	TPA	200	12300	12500	Landfill at CHWTSDF
3	Spent organic catalyst	28.2	TPA	4	8	12	Incineration at CHWTSDF



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 19 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

4	Distillation Residue	28.1	TPA	300	600	900	Incineration at CHWTSDF
5	Distillation residue from R&D and Pilot Plant	28.1	TPA	4	8	12	Incineration at CHWTSDF
6	Flue Gas Cleaning Residue(Boiler shoot	35.1	TPA	6	12	18	Incineration at CHWTSDF
7	Spent in Exchange resins	35.2	TPA	0.12	0.24	0.36	Disposal at CHWTSDF
8	Used/ Spent oil	5.1	KLPA	2	4	6	Sale to Authorised Agency
9	Discarded Containers	33.1	Nos./A	12710	25420	38130	Sale to Authorised Agency

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	6 TPH & 12 TPH Boiler (Existing)	Coal: 38 TPD	--	30	1.1	160
2	12 TPH Boiler (Proposed)	Coal: 48 TPD	--	as per CPCB norms	as per norms	160
3	12 TPH Boiler (Proposed)	Coal: 48 TPD	--	as per CPCB norms	as per norms	160
4	500 KVA DG set (Existing)	HSD: 75 kg/day	--	15	0.15	160
5	1010 KVA DG set (Proposed)	HSD: 2050 Lit/Hr	--	as per CPCB norms	as per norms	160
6	1250 KVA D.G. Set (Proposed)	HSD: 2500 Lit/Hr	--	as per CPCB norms	as per norms	160
7	1250 KVA D.G. Set (Proposed)	HSD: 2500 Lit/Hr	--	as per CPCB norms	as per norms	160
8	Spray Dryer (Existing)	Coal: 8.4 TPD	--	15	0.75	90
9	HCL Tail Gas Tower S-4	--	--	15	0.05	30 - 40
10	Acetyl Chloride Packing Scrubber S-5	--	--	10	0.05	30 - 40
11	Acetic Acid Scrubbing Stack S-6	--	--	12	0.05	30 - 40
12	PCL3 Scrubber Stack S-7	--	--	12	0.05	30 - 40
13	Acetyl Chloride Scrubber Stack S-8	--	--	12	0.05	30 - 40
14	Drum Dryer Stack S-9	--	--	25	0.45	30 - 40
15	Packing Area Stack S-10	--	--	25	0.45	30 - 40
16	Reactor (Neutralizer Stack) S-11	--	--	25	0.2	30 - 40



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 20 of 70




Dr. Umakant Dangat (Chairman SEAC-I)

17	HCL Scrubber System Stack S-12	--	--	25	0.05	30 - 40
18	HCL Scrubber System Stack S-13	--	--	15	0.08	30 - 40
19	Common Vent Scrubber stack S-14	--	--	15	0.05	30 - 40
20	SO2 Scrubber System stack S-15	--	--	15	0.15	30 - 40
21	HCL Scrubbing System Stack S-16	--	--	15	0.1	30 - 40
22	Common Vent Scrubber stack	--	--	As per statutory requirement	As per statutory requirement	30 - 40
23	Common Vent Scrubber stack	--	--	As per statutory requirement	As per statutory requirement	30 - 40
24	Common Vent Scrubber stack	--	--	As per statutory requirement	As per statutory requirement	30 - 40
25	Common Vent Scrubber stack	--	--	As per statutory requirement	As per statutory requirement	30 - 40
26	Common Vent Scrubber stack	--	--	As per statutory requirement	As per statutory requirement	30 - 40
27	Common Vent Scrubber stack	--	--	As per statutory requirement	As per statutory requirement	30 - 40
28	Common Vent Scrubber stack	--	--	As per statutory requirement	As per statutory requirement	30 - 40
29	Common Vent Scrubber stack	--	--	As per statutory requirement	As per statutory requirement	30 - 40
30	Common Vent Scrubber stack	--	--	As per statutory requirement	As per statutory requirement	30 - 40

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	46.4 TPD	96 TPD	142.4 TPD
2	HSD	4 Lit/Hr	7050 Lit/Hr	7054 Lit/Hr
41.Source of Fuel		from nearby source		
42.Mode of Transportation of fuel to site		By road		


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 21 of 70

Signature: 
 Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

43.Green Belt Development	Total RG area :	Green belt area: 25106 sq.m
	No of trees to be cut :	--
	Number of trees to be planted :	--
	List of proposed native trees :	--
	Timeline for completion of plantation :	--

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	--	--	--	--

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	--	--	--

47.Energy


Power requirement:	Source of power supply :	From MSEDCL
	During Construction Phase: (Demand Load)	1600 KVA
	DG set as Power back-up during construction phase	500 KVA
	During Operation phase (Connected load):	4800 KVA
	During Operation phase (Demand load):	4800 KVA
	Transformer:	6 MVA
	DG set as Power back-up during operation phase:	500 KVA, 1010 KVA & 2 nos. 1250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	--

48.Energy saving by non-conventional method:

--

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	--	--


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 22 of 70

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

50.Details of pollution control Systems		
Source	Existing pollution control system	Proposed to be installed
Air pollution	Bag house, Cyclone separator, Wet scrubber	Bag house, Cyclone separator
Water pollution	ETP, RO, Spray dryer	--
Noise pollution	Acoustic enclosure, Silencers, PPE	Acoustic enclosure, Silencers, PPE
Hazardous waste	Disposal to CHWTSDF, Authorized recycler	Disposal to CHWTSDF, Authorized recycler
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	--
	O & M cost:	--

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

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	From Utilities, Process and DG set	100	10
2	Environmental Monitoring	Regular Monitoring	0	5
3	Water Pollution Control	ETP,RO, Spray dryer	1000	100
4	Hazardous Waste and Solid waste management	Storage and Disposal of Hazardous waste and Non hazardous waste	25	2.5
5	Green Belt Development	Development and Maintanance of Green Belt	25	2.5
6	Green Initiative	Installation and Maintanance of Windmill	50	5
7	Occupational Health and Safety	PPE, Safety Tranning	25	2.5
8	Social Welfare and Upliftment	ESC Budget	25	2.5

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
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Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 23 of 70

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

Methanol	Existing & Proposed	Within plot	69 KL, 24 KL	69 KL, 24 KL	refer PFR	from nearby source	By road
Ethanol	Existing & Proposed	Within plot	2 nos. of 16 KL	2 nos. of 16 KL	refer PFR	from nearby source	By road
Toluene	Existing & Proposed	Within plot	2 nos. of 15 KL	2 nos. of 15 KL	refer PFR	from nearby source	By road
Acetic Acid	Existing & Proposed	Within plot	100 KL, 50 KL	100 KL, 50 KL	refer PFR	from nearby source	By road
Caustic Lye	Existing & Proposed	Within plot	2 nos. of 35 KL	2 nos. of 35 KL	refer PFR	from nearby source	By road
Ethyl Acetate Storage Tank	Existing & Proposed	Within plot	20 KL, 30 KL	20 KL, 30 KL	refer PFR	from nearby source	By road
Phosphorus Trichloride	Existing & Proposed	Within plot	2 nos. of 80 KL	2 nos. of 80 KL	refer PFR	from nearby source	By road
Codex 661	Existing & Proposed	Within plot	120 KL, 80 KL	120 KL, 80 KL	refer PFR	from nearby source	By road
Codex 8503/ Codex 4503/ Codex 5323	Existing & Proposed	Within plot	40 KL, 160 KL	40 KL, 160 KL	refer PFR	from nearby source	By road
Formaldehyde	Existing & Proposed	Within plot	2 nos. of 30 KL	2 nos. of 30 KL	refer PFR	from nearby source	By road
Phenol	Existing	Within plot	78 KL	78 KL	refer PFR	from nearby source	By road
HCl	Existing & Proposed	Within plot	210 KL, 190 KL	210 KL, 190 KL	refer PFR	from nearby source	By road
Biocel Solution	Existing	Within plot	30 KL	30 KL	refer PFR	from nearby source	By road
Biocel 90	Existing & Proposed	Within plot	2 nos. of 10 KL	2 nos. of 10 KL	refer PFR	from nearby source	By road
Aniline	Proposed	Within plot	30 KL	30 KL	refer PFR	from nearby source	By road
Methane Sulphonic Acid	Proposed	Within plot	30 KL	30 KL	refer PFR	from nearby source	By road


52. Any Other Information

No Information Available

53. Traffic Management

Nos. of the junction to the main road & design of confluence:

--


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 24 of 70

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

Parking details:	Number and area of basement:	--
	Number and area of podia:	--
	Total Parking area:	790 sq.m
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	--
	Public Transport:	--
	Width of all Internal roads (m):	as per MIDC DC rule
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5 (f)- B Synthetic organic chemical manufacturing facility
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	03-03-2018

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
18 (a). Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): Not applicable	4346.4 m2
21 Estimated cost of the project (Rs)	1250000000	700000000
31 Production details	4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]-hydroxybutyl]-a-a-dimethylphenylacetic acid Fexofenadine N-1 and / OR a,a- Dimethyl -4-[1- Hydroxy -4 [4- (hydroxydiphenylmethyl)-1-piperidinyl]-piperidinyl]butyl]-benzeneacetic acid hydrochloride (Fexofenadine Hydrochloride) and its derivatives	4-[4-(4-(hydroxydiphenylmethyl)-1-piperidinyl)-hydroxybutyl]-a-a-dimethylphenylacetic acid Fexofenadine N-1 and / OR a,a- Dimethyl -4-[1- Hydroxy -4 [4- (hydroxydiphenylmethyl)-1-piperidinyl]-piperidinyl]butyl]-benzeneacetic acid hydrochloride (Fexofenadine Hydrochloride) and its derivatives 4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]-hydroxybutyl]-a-a-dimethylphenylacetic acid Fexofenadine N-1 and / OR a,a- Dimethyl -4-[1- Hydroxy -4 [4- (hydroxydiphenylmethyl)-1-piperidinyl]-piperidinyl]butyl]-benzeneacetic acid hydrochloride (Fexofenadine Hydrochloride) and its intermediates
31 Production details	Phosphonium, {[4-(4-fluorophenyl)-6-(1-methylethyl)-2[methyl methylsulfonylamino]-5 pyrimidinyl] methyl] triphenyl bromide (1:1) Z 8.2	Phosphonium, {[4-(4-fluorophenyl)-6-(1-methylethyl)-2[methyl methylsulfonylamino]-5 pyrimidinyl] methyl] triphenyl bromide (1:1) Z 8.2
31 Production details	4-[5-(4-Methylphenyl)3-3-(trifluoromethyl pyrazol-1-yl)] benzenesulfonamide and Celecoxib intermediate (4- Hydrazinobenzene-1-sulfonamide Hydrochloride)	4-[5-(4-Methylphenyl)-3-(trifluoromethyl pyrazol-1-yl)] benzenesulfonamide and Celecoxib intermediate (4- Hydrazinobenzene-1-sulfonamide Hydrochloride)



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 25 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

31 Production details	R&D and Pilot for Industrial Chemicals and Intermediates	R & D and Pilot for Industrial Chemicals, Intermediates & Pharmaceuticals
32. Total water requirement	Fresh water (CMD): Not applicable	Fresh water (CMD): 848
32. Total water requirement	Recycled water- Flushing (CMD): Not applicable	Recycled water- Flushing (CMD): Total water recycle- 482
34. Rain water harvesting details	Level of ground water table ---	Level of ground water table- 1.42 m to 16.32 m bgl (post monsoon)
34. Rain water harvesting details	Size & no. of RWH tanks and Quantity: --	Size & no. of RWH tanks and Quantity: RWH is directly connected to cooling tower basin.
35 Storm water drainage	Size of SWD: --	Size of SWD: 600 mm x 1000 mm
37 Solid waste management	Fly ash: 21 kg/A	Fly ash: 21 TPA
38 Effluent Characteristics	Capacity of the ETP: 100 cmd	Capacity of the ETP: Existing ETP- 175 cmd, Proposed ETP- 500 cmd
38 Effluent Characteristics	Amount of treated effluent recycled: --	Amount of treated effluent recycled: 482 cmd
38 Effluent Characteristics	Amount of water send to the CETP: 630 cmd	Amount of water send to the CETP: 148 cmd (as per existing CTO)
39. Hazardous waste details	35.3 ETP sludge from Primary treatment & salt generated from spray dryer	35.3 Chemical sludge 35.4 Oil & Grease skimming residue
39. Hazardous waste details	28.2 Spent organic catalyst	29.5 Spent organic catalyst
39. Hazardous waste details	28.1 Distillation Residue	20.3 Distillation Residue
39. Hazardous waste details	28.1 Distillation residue from R & D and pilot plant	29.1 Process waste and residue
39. Hazardous waste details	35.1 Flue Gas cleaning residue (Boiler soot)	Not applicable
39. Hazardous waste details	35.2 Spent in exchange resin	35.2 Other Hz waste (Spent ion exchange resin)
40. Stack emission details	2 & 3. 12 TPH Boiler (Proposed)- As per CPCB norms	2 & 3. 12 TPH Boiler (Proposed)- Common stack ht. 49 m, Stack Dia. 1.2 m
40. Stack emission details	5. 1010 KVA DG set (Proposed)- HSD- 2050 Lit/ Hr	5. 1010 KVA DG set (Existing)- HSD- 0.16 TPD
40. Stack emission details	6. 1250 KVA DG set (Proposed)- HSD- 2500 Lit/ Hr	6. 1250 KVA DG set (Proposed)- HSD- 250 Lit/ Hr, Stack ht. 7.5 m above roof
40. Stack emission details	7. 1250 KVA DG set (Proposed)- HSD- 2500 Lit/ Hr	7. 1250 KVA DG set (Proposed)- HSD- 250 Lit/ Hr, Stack ht. 7.5 m above roof
40. Stack emission details	22. Common Vent Scrubber stack- As per statutory requirement	22. SO2 Scrubbing System- Stack ht. 15 m, Stack Dia, 0.15 m
40. Stack emission details	23. Common Vent Scrubber stack- As per statutory requirement	23. HCl Scrubbing System- Stack ht. 15 m, Stack Dia, 0.1 m
40. Stack emission details	24. Common Vent Scrubber stack- As per statutory requirement	24. Acetic Acid Scrubbing- Stack ht. 12 m, Stack Dia, 0.05 m
40. Stack emission details	25. Common Vent Scrubber stack- As per statutory requirement	25. PCI3 Scrubbing- Stack ht. 12 m, Stack Dia, 0.05 m
40. Stack emission details	26. Common Vent Scrubber stack- As per statutory requirement	26. Acetyl Chloride- Stack ht. 12 m, Stack Dia, 0.05 m
40. Stack emission details	27. Common Vent Scrubber stack- As per statutory requirement	27. HCl Scrubbing System - Stack ht. 15 m, Stack Dia, 0.1 m
40. Stack emission details	28. Common Vent Scrubber stack- As per statutory requirement	28. Reactor Neutralizer, Biocel- Stack ht. 25 m, Stack Dia, 0.2 m
40. Stack emission details	29. Common Vent Scrubber stack- As per statutory requirement	29. Common Vent Scrubber stack - Stack ht. 15 m, Stack Dia, 0.05 m
40. Stack emission details	30. Common Vent Scrubber stack- As per statutory requirement	30. Common Vent Scrubber stack - Stack ht. 15 m, Stack Dia, 0.05 m
41. Details of Fuel used	2. HSD- Existing- 4 Lit/ Hr	2. HSD- Existing- 9.79 Kg / Hr
41. Details of Fuel used	2. HSD- Proposed- 7050 Lit/ Hr	2. HSD- Proposed- 500 Lit/ Hr (at rated capacity)
44. Green belt development	Total RG area: Green belt area- 25106 sq.m	Total RG area: Green belt area- 24200.02 sq.m
51. Details of Pollution control system	Water pollution- Existing system- ETP, RO, Spray dryer	Water pollution- Proposed system- ETP, RO, MEE
52. Environment Management Plan B. Operation phase	Air Pollution Control (From Utilities, Process, DG set)	Air Pollution Control (From Utilities, Process)-
52. Environment Management Plan B. Operation phase	Water Pollution Control (ETP, RO, Spray Dryer), Capital cost- Rs. 1000 lakhs, O & M cost: Rs. 100 Lakhs per Yr	Water Pollution Control (ETP, RO, MEE), Capital cost- Rs. 1250 lakhs, O & M cost: Rs. 400 Lakhs per Yr
52. Environment Management Plan B. Operation phase	Hazardous waste & Solid Waste management, O & M cost: Rs. 2.5 Lakhs per Yr	Hazardous waste & Solid Waste management, O & M cost: Rs. 245 Lakhs per Yr
52. Environment Management Plan B. Operation phase	Green Initiative- Installation & maintenance of Windmill, Capital cost- Rs. 50 lakhs, O & M cost: Rs. 5 Lakhs per Yr	Green Initiative- Solar power installation, Capital cost- Rs. 25 lakhs, O & M cost: Rs. 2.5 Lakhs per Yr
52. Environment Management Plan B. Operation phase	Occupational Health & Safety- Capital cost- Rs. 25 lakhs, O & M cost: Rs. 2.5 Lakhs per Yr	Occupational Health & Safety- Capital cost- Rs. 25 lakhs, O & M cost: Rs. 20 Lakhs per Yr
52. Environment Management Plan B. Operation phase	Social welfare upliftment- ESC Budget- Capital cost- Rs. 25 Lakhs, O & M cost: Rs. 2.5 Lakhs per Yr	Social welfare upliftment- CER Budget- Rs. 70 Lakhs
54. traffic management	54. traffic management	Total parking area: 8839.01 sq.m



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 26 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

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

SEAC-AGENDA-0000000217

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 in the 149th meeting of SEAC-1 held on 06.04.2018 wherein ToR was granted to the PP for the preparation of EIA/EMP report.

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

PP has obtained earlier EC vide No. SEAC-2010/CR-516/TC-2 dated 06.07.2011; PP to submit certified compliance of the EC from Regional Office of MoEF&CC, Nagpur.

Now PP submitted EIA/EMP report for appraisal.

DECISION OF SEAC

After detailed deliberations with the PP and their accredited consultant, SEAC-1 decided to defer the proposal till PP submits compliance of following points.

Specific Conditions by SEAC:

- 1) PP has obtained certified compliance report from Regional Office of MoEF&CC, Nagpur for their earlier Environment Clearance vide letter dated 29.01.2019, PP to submit copy of reply submitted to the Regional Office of MoEF&CC in respect of their observations in the report.
- 2) PP to submit revised layout plan showing area statement, green belt area leaving set back from the buildings. PP to submit list of trees exists on site and proposed to be planted.
- 3) PP to provide cul-de-sac at the dead ends of the roads for easy movement of vehicles.
- 4) PP to carry out life cycle analysis of all the products and submit report along with suggestions and proposed mitigation measures to reduce the impact identified in the study.
- 5) PP to submit revised Form-II.
- 6) PP to prepare and submit CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.

FINAL RECOMMENDATION

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


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

**SEAC Meeting No: 161 Meeting Date: February
16, 2019**

**Page 28
of 70**

Signature: 
Name: Dr. Umakant Dangat
**Dr. Umakant Dangat
(Chairman SEAC-I)**

Agenda of 161th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day-4)

SEAC Meeting number: 161 Meeting Date February 16, 2019

Subject: Environment Clearance for Proposed establishment of manufacturing of synthetic organic chemicals at Plot No. D-1/1, MIDC, Lote Parshuram by Gharda Chemicals Limited (Unit No.5)

Is a Violation Case: No

1.Name of Project	Proposed establishment of manufacturing of synthetic organic chemicals at Plot No. D-1/1, MIDC, Lote Parshuram by Gharda Chemicals Limited (Unit No.5)
2.Type of institution	Private
3.Name of Project Proponent	Gharda Chemicals Limited
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Industrial project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Unit No.5, Plot No. D-1/1, MIDC, Lote Parshuram.
9.Taluka	Khed
10.Village	Awashi
Correspondence Name:	Mr. Diwakar K. Shenoy (Director-Factory Operations)
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	--
City:	--
11.Area of the project	MIDC Lote Parshuram
12.IOD/IOA/Concession/Plan Approval Number	MIDC plot allotment
	IOD/IOA/Concession/Plan Approval Number: MIDC Plot transfer
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not applicable. Existing structures will be demolished for proposed project. Demolition clearance from MIDC authority is obtained.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC plot plan approval
15.Total Plot Area (sq. m.)	91,429 sq. m
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 43498
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	3139500000

22.Number of buildings & its configuration



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 29 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

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))	Min 6 m		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable		
29.Existing structure (s) if any	Not applicable. Existing structures will be demolished for proposed project. Demolition clearance from MIDC authority is obtained.		
30.Details of the demolition with disposal (If applicable)	Existing structures will be demolished for proposed project. Demolition clearance from MIDC authority is obtained.		

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	2,5-Dichloro Phenol	0	20000 TPA	20000 TPA
2	Mono Chloro Benzene	0	10000 TPA	10000 TPA
3	Para Dichloro Benzene	0	9640 TPA	9640 TPA
4	2,5-Dichloro Nitro Benzene	0	8400 TPA	8400 TPA
5	3,4-Dichloro Nitro Benzene	0	3100 TPA	3100 TPA
6	2,5-Dichloro Aniline	0	7000 TPA	7000 TPA
7	3,4-Dichloro Aniline	0	2640 TPA	2640 TPA
8	2,3-Dichloro Aniline	0	360 TPA	360 TPA
9	Potassium Hydroxide	0	16500 TPA	16500 TPA
10	Nitrosyl Sulphate	0	68500 TPA	68500 TPA
11	Hydrochloric Acid (By-product)	0	13300 TPA	13300 TPA
12	Sulphuric Acid (By-product)	0	27000 TPA	27000 TPA
13	Calcium Sulphate (By-product)	0	37400 TPA	37400 TPA



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 30 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

14	Ortho Dichloro Benzene (By- product)	0	3180 TPA	3180 TPA
15	Meta Dichloro Benzene (By- product)	0	500 TPA	500 TPA
16	1,2,4-Tri Chloro Benzene (By- product)	0	200 TPA	200 TPA
17	1,2,3-Tri Chloro Benzene (By- product)	0	200 TPA	200 TPA
18	1,3,5-Tri Chloro Benzene (By- product)	0	200 TPA	200 TPA
19	2,3-Dichloro Nitro Benzene (By- product)	0	430 TPA	430 TPA
20	Methyl Chloride (By-product)	0	9060 TPA	9060 TPA
21	Calcium Chloride (By-product)	0	9970 TPA	9970 TPA
22	Sodium Hypochlorite (By- product)	0	3000 TPA	3000 TPA

32.Total Water Requirement

Dry season:	Source of water	MIDC
	Fresh water (CMD):	1325 cmd from MIDC
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	2279 cmd (From MIDC- 1325 CMD + Steam Condensate from Cogen- 707 CMD + Recycle- 247 CMD)
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 31 of 70

Signature: 
Name: Dr. Umakant Dangat (Chairman SEAC-I)

Wet season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	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	0	45	45	0	10	10	0	35	35
Industrial Process	0	534	534	0	32	32	0	502	502
Cooling tower & thermopack	0	1630	1630	0	888	888	0	742	742
Gardening	0	70	70	0	70	70	0	0	0

34.Rain Water Harvesting (RWH)

Level of the Ground water table:	--
Size and no of RWH tank(s) and Quantity:	--
Location of the RWH tank(s):	--
Quantity of recharge pits:	--
Size of recharge pits :	--
Budgetary allocation (Capital cost) :	--
Budgetary allocation (O & M cost) :	--
Details of UGT tanks if any :	Not applicable


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Signature: 
Name: Dr. Umakant Gangadhar Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

35.Storm water drainage	Natural water drainage pattern:	--
	Quantity of storm water:	--
	Size of SWD:	--
Sewage and Waste water	Sewage generation in KLD:	35 cmd
	STP technology:	Sewage will be sent to Aeration tank of Proposed ETP.
	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:	During construction phase, demolition of existing structures will generate solid wastes like civil debris, scrap materials, insulated material, scrap wooden material, paper, cardboards
	Disposal of the construction waste debris:	as per norms
Waste generation in the operation Phase:	Dry waste:	Non Hazardous waste like- Packing material- 35 TPA, Civil debris- 100 TPA, Insulation material- 165 TPA, Metallic scrap- 200 TPA, Rubber hand gloves- 35 TPA, Non- metallic scrap- 100 TPA
	Wet waste:	--
	Hazardous waste:	Used or spent oil, Wastes or residues containing oil, Residue or sludge containing phenol, Spent solvents, Distillation residues, Empty barrels/containers/ liners contaminated with hazardous chemicals /wastes, Contaminated cotton rags or other cleaning materials, Chemical sludge from waste water treatment, Concentration or evaporation residues
	Biomedical waste (If applicable):	Waste sharps- 20 kg/Month, Expired or Discarded Medicines- 10 kg/Month, Soiled Waste- 40 kg/Month
	STP Sludge (Dry sludge):	--
	Others if any:	--
Mode of Disposal of waste:	Dry waste:	Packing material- Incineration or sale to the party, Civil debris- Land levelling within plot, Insulation material, Metallic scrap, Rubber gloves, Non metallic scrap- Sale to the party
	Wet waste:	--
	Hazardous waste:	Hazardous waste will be disposed of as per Hazardous waste rule 2016.
	Biomedical waste (If applicable):	Biomedical waste will be disposed off to authorized Biomedical disposal facility.
	STP Sludge (Dry sludge):	--
	Others if any:	--


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 33 of 70

Signature: 
Name: Dr. Umakant Dangat (Chairman SEAC-I)

Area requirement:	Location(s):	within plot
	Area for the storage of waste & other material:	--
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	--
	O & M cost:	--

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	--	5.5 to 10.5	6.5 to 8.5	6.5 to 8.5
2	Oil & Grease	mg/lit	20 to 30	< 10	< 10
3	COD	mg/lit	1000 to 1500	< 250	< 250
4	TSS	mg/lit	800 to 1000	< 100	< 100
5	BOD	mg/lit	400 to 600	< 100	< 100
Amount of effluent generation (CMD):		1279 cmd			
Capacity of the ETP:		1600 cmd			
Amount of treated effluent recycled :		247 cmd			
Amount of water send to the CETP:		1032 cmd			
Membership of CETP (if require):		yes			
Note on ETP technology to be used		Effluent treatment plant (ETP) shall be comprising of Primary, Secondary and Tertiary treatment systems. In addition, Multiple Effect Evaporator (MEE) and Reverse Osmosis Unit shall also be provided for High TDS effluent.			
Disposal of the ETP sludge		ETP sludge will be sent to CHWTSDF for landfill.			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used or spent oil	5.1	TPA	0	12	12	Sale to authorized recycler or re-processor /Incineration
2	Wastes or residues containing oil	5.2	TPA	0	4.5	4.5	Incineration
3	Residue or sludge containing phenol	19.1	TPA	0	1835	1835	Disposed to CHWTSDF
4	Spent solvents	20.2	TPA	0	275	275	Sale to authorized recycler or re-processor / Incineration.
5	Distillation residues	20.3	TPA	0	2550	2550	Incineration
6	Empty barrels/containers/ liners contaminated with hazardous chemicals /wastes	33.1	Nos./A	0	3000	3000	Sale to authorized recycler or re-processor.
7	Contaminated cotton rags or other cleaning materials	33.2	TPA	0	4.5	4.5	Incineration


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 34 of 70

Signature: 
Dr. Umakant Dangat (Chairman SEAC-I)

8	Chemical sludge from waste water treatment	35.3	TPA	0	2920	2920	Landfill to CHWTSDF
9	Concentration or evaporation residue	37.3	TPA	0	2190	2190	Landfill to CHWTSDF

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	1510 KVA DG set	HSD- 290 Lit/Hr	S1	14	400 mm	380
2	1510 KVA DG set	HSD- 290 Lit/Hr	S2	14	400 mm	380
3	1510 KVA DG set	HSD- 290 Lit/Hr	S3	14	400 mm	380

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0	870 Lit/Hr	870 Lit/Hr

41.Source of Fuel From nearby source

42.Mode of Transportation of fuel to site By road

43.Green Belt Development	Total RG area :	Green belt- 15,528 sq.m.
	No of trees to be cut :	--
	Number of trees to be planted :	--
	List of proposed native trees :	--
	Timeline for completion of plantation :	As per project development phase

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	--	--	--	--

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	--	--	--

47.Energy


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 35 of 70

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

Power requirement:	Source of power supply :	From MSEDCL
	During Construction Phase: (Demand Load)	1 MVA
	DG set as Power back-up during construction phase	500 KVA
	During Operation phase (Connected load):	10 MVA
	During Operation phase (Demand load):	10 MVA
	Transformer:	5 nos. of 2 MVA each
	DG set as Power back-up during operation phase:	3 nos. of 1510 KVA DG set each
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	--

48. Energy saving by non-conventional method:

Solar lights

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	--	--

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air pollution- DG set, Process emission	--	Stack height, Scrubber for Process emission
Water pollution fom Domestic, Washing, Process, Utilities	--	ETP, RO, MEE
Hazardous waste generation	--	To CHWTSDF, Sale to authorized recycler/ reprocessor

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

51. Environmental Management plan Budgetary Allocation


a) Construction phase (with Break-up):



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 36 of 70

Signature: 
 Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

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

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 management	Scrubbers	120	40
2	Effluent Management	ETP, MEE, RO	2200	913
3	Hazardous waste management	Hazardous waste management	30	622
4	Environmental Monitoring	Environmental Monitoring	40	1
5	Green Belt Development	Green Belt Development	10	6
6	Green Initiatives	Solar street light & solar panels	5	0
7	Occupational Health & Safety	PPE, Safety Training, Fire hydrant, Smokers, Detectors	25	25
8	Energy conservation measures	BEE Star rated equipment's	25	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
Benzene	Proposed	within plot	2 nos/ of 100 Ton	140	1419	From nearby source	By road
Dichloro Aniline	Proposed	within plot	3 nos. of 50 Ton	160	1747	From nearby source	By road
Dichloro Phenol	Proposed	within plot	3 nos. of 50 Ton	163	--	From nearby source	By road
Para Dichloro Benzene	Proposed	within plot	4 nos. of 50 Ton	208	1123	From nearby source	By road
Ortho Dichloro Benzene	Proposed	within plot	4 nos. of 50 Ton	208	225	From nearby source	By road
Meta Dichloro Benzene	Proposed	within plot	4 nos. of 50 Ton	208	--	From nearby source	By road
Mono Chloro Benzene	Proposed	within plot	1 no. of 50 Ton	44	--	From nearby source	By road
Hydrochloric Acid	Proposed	within plot	4 nos. of 75 Ton	274	7	From nearby source	By road



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 37 of 70



Dr. Umakant Dangat (Chairman SEAC-I)


Sulfuric Acid	Proposed	within plot	2 nos. of 100 Ton	294	3743	From nearby source	By road
Potassium Hydroxide	Proposed	within plot	2 nos. of 100 Ton	200	--	From nearby source	By road
Nitrosyl Sulphate	Proposed	within plot	1 no. of 20 Ton	27.5	5709	From nearby source	By road
Spent Sulfuric Acid	Proposed	within plot	6 nos. of 25 Ton	192	--	From nearby source	By road
Sodium Hydroxide	Proposed	within plot	2 nos. of 50 ton	120	27	From nearby source	By road
Methanol	Proposed	within plot	3 nos. of 100 Ton	190	478	From nearby source	By road
Methyl Chloride	Proposed	within plot	250 nos. tonners	207	--	From nearby source	By road
Sulfur Dioxide	Proposed	within plot	175 nos. tonners	142	764	From nearby source	By road
Chlorine	Proposed	within plot	200 nos. tonners	207	1292	From nearby source	By road

52. Any Other Information

No Information Available

53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	--
Parking details:	Number and area of basement:	--
	Number and area of podia:	--
	Total Parking area:	11,463 sq.m.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	--
	Public Transport:	--
	Width of all Internal roads (m):	Min. 6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019


Page 38 of 70

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5 (f)- B
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	12-12-2017

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
Proposed Built-up Area (FSI & Non-FSI)	Total built up area (sq. m.): 43498	Total proposed BUA area (sq. m.) 67925
Total Water Requirement	2279 cmd (From MIDC- 1325 cmd + Steam condensate from Cogen- 707 cmd + Recycle- 247 cmd)	2279 cmd (Fresh from MIDC- 1000 cmd + Recycle- 1279 cmd)
Rain Water Harvesting (RWH)	Size and no of RWH tank & Quantity: --	Size and no of RWH tank & Quantity: 1 no. of 600 m3 tank (20m x 10m x 3 m)
Rain Water Harvesting (RWH)	Location of RWH tank: --	Location of RWH tank: Underground tank near Engg. godown
Effluent Characteristics	Amount of treated effluent recycled: 247 cmd	Amount of treated effluent recycled: 1279 cmd
Effluent Characteristics	Amount of water send to the CETP: 1032 cmd	Amount of water send to the CETP: Nil. No effluent will be send to CETP. Unit will maintain Zero Liquid discharge facility.
Hazardous Waste Details	--	Additional waste entry: Category 33.1: Liners contaminated with hazardous chemicals /wastes: 10 TPA, Disposal to CHWTSDF or Authorized party
Stacks emission Details	3 Nos of 1510 KVA DG set each with 14 mtrs Stack Height from ground level (m)	4 Nos of 1510 KVA DG set each with 14 mtrs Stack Height from ground level (m)
Stacks emission Details	Process vent details: --	DCP- SO2 scrubbing system- Stack Height- 8 m, Stack dia. in m- 0.3, Temp in deg. C- 35
Stacks emission Details	Process vent details:	DCP- NOx scrubbing system- Stack Height- 27 m, Stack dia. in m- 0.15, Temp in deg. C- 35
Stacks emission Details	Process vent details:	DCA- NOx scrubbing system- Stack Height- 27 m, Stack dia. in m- 0.08, Temp in deg. C- 35
Stacks emission Details	Process vent details:	DCA- HCl scrubbing system- Stack Height- 27 m, Stack dia. in m- 0.1, Temp in deg. C- 35
Stacks emission Details	Process vent details:	KOH- Cl2 scrubbing system- Stack Height- 8 m, Stack dia. in m- 0.3, Temp in deg. C- 35


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 39 of 70

Signature: 
Name: Dr. Umakant Dangat (Chairman SEAC-I)

Details of Fuel to be used	HSD proposed quantity- 870 Lit/ Hr	HSD proposed quantity- 1160 Lit/ Hr
Green Belt Development	Total RG area : Green belt- 15,528 sq.m	Total RG area : Green belt- 31,080 sq.m
Energy	DG set as Power back up during operation phase: 3 nos. of 1510 KVA DG set each	DG set as Power back up during operation phase: 4 nos. of 1510 KVA DG set each
Traffic Management	Total Parking area: 11,463 sq.m.	Total Parking area: 9359.9 sq.m.
Storage of chemicals	--	Add. storage: 2, 3 Dichloro Nitro Benzene- 2 nos. of 10 Ton each
Storage of chemicals	--	Add. storage: Ethylene Dichloride- 1 no. of 100 Ton each
Storage of chemicals	--	Add. storage: Hexane- 1 no. of 100 Ton each
Storage of chemicals	--	Add. storage: Nitric acid- 3 nos. of 50 Ton each
Storage of chemicals	--	Add. storage: Xylene- 1 no. of 100 Ton each
Storage of chemicals	--	Add. storage: Methyl Chloride- 250 nos. of tonner
Storage of chemicals	--	Add. storage: Sulphur di oxide- 175 nos. of tonner
Storage of chemicals	--	Add. storage: Chlorine- 200 nos. of tonner
Storage of chemicals	--	Add. storage: Hydrogen- 150 nos. of cylinders

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



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 40 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

Brief information of the project by SEAC

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 in 148th meeting of SEAC-1 held on 28.02.2018 wherein ToR was granted to the PP for the preparation of EIA/EMP reprot.

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

Now PP submitted EIA/EMP report for appraisal.

DECISION OF SEAC


After deliberations with the PP and their accredited consultant, SEAC-1 decided to defer the propsoal till PP submits compliance of following points.

Specific Conditions by SEAC:

- 1) PP to submit resolution from the Board of Directors that, the proposed products are not pesticide specific intermediates and will not be sold for the manufacturing of pesticides/insecticides.
- 2) PP to provide mininum 5 m wide green belt along the periphery of the prposed plot to acheive 33% green belt area.
- 3) PP to submit revised Form-II
- 4) PP to submit letter from competent authority regarding the distance of proposed plot from the nearest eco-sensitive area.
- 5) PP to submit CER plan prepared in consultation with the District Authorities as per OM issued by MoEF&CC dated 01.05.2018. PP to explore possibility to provide sewage treatment plant to the Chiplun city from their CER funds.
- 6) PP to use new and renewable energy source for the illumination of the street lights and office buildings.

FINAL RECOMMENDATION

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


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

**SEAC Meeting No: 161 Meeting Date: February
16, 2019**

**Page 41
of 70**

Signature: 
Name: Dr. Umakant Dangat
**Dr. Umakant Dangat
(Chairman SEAC-I)**

Agenda of 161th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day-4)

SEAC Meeting number: 161 Meeting Date February 16, 2019

Subject: Environment Clearance for Environment Clearance for Proposed expansion of Synthetic Organic Chemicals Manufacturing Unit at Plot No. 74, 75, 76 & 76/1, Chikhlohi MIDC, Ambarnath West, Dist. Thane by Centaur Pharmaceuticals Pvt. Ltd

Is a Violation Case: No

1.Name of Project	Proposed expansion of Synthetic Organic Chemicals Manufacturing Unit at Plot No. 74, 75, 76 & 76/1, Chikhlohi MIDC, Ambarnath West, Dist. Thane by Centaur Pharmaceuticals Pvt. Ltd
2.Type of institution	Private
3.Name of Project Proponent	Centaur Pharmaceuticals Pvt. Ltd
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Industrial project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion will be within the existing plot with new buildings.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No.
8.Location of the project	Plot No. 74, 75, 76 & 76/1, Chikhlohi MIDC
9.Taluka	Ambarnath
10.Village	Ambarnath
Correspondence Name:	Mr. Ashok Kundlik Walunj
Room Number:	Plot No. 74, 75, 76 & 76/1,
Floor:	--
Building Name:	--
Road/Street Name:	MIDC
Locality:	Chikhlohi MIDC
City:	Ambarnath
11.Area of the project	Maharashtra Industrial Development Corporation
12.IOD/IOA/Concession/Plan Approval Number	MIDC approved plan IOD/IOA/Concession/Plan Approval Number: DISH/PLN/VVK/89/1666/10 Approved Built-up Area: 6434.56
13.Note on the initiated work (If applicable)	Not applicable. Proposed expansion is within existing plot.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC approval
15.Total Plot Area (sq. m.)	9105 sq. m.
16.Deductions	Not applicable
17.Net Plot area	9105 sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 13657.5 sq.m b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.): 6211.65
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Not applicable Approved Non FSI area (sq. m.): Not applicable Date of Approval: 01-03-2019
19.Total ground coverage (m2)	3098.17 sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	34.03
21.Estimated cost of the project	905000000


22.Number of buildings & its configuration



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 42 of 70


Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Production bldg. 1 (Existing)	Ground floor + 4 floors	19.30 mtrs
2	QC lab (Existing)	Ground floor + 2 floors	12 mtrs
3	Production bldg. 2 (Proposed)	Ground floor + 4 floors	22 mtrs
4	Warehouse & admin bldg. (Proposed)	Ground floor + 4 floors	18 mtrs
5	Not applicable	Not applicable	Not applicable

23. Number of tenants and shops	Not applicable
24. Number of expected residents / users	No
25. Tenant density per hectare	No
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	Min. 6 m
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min. 9 m
29. Existing structure (s) if any	Existing structure-Production bldg., Warehouse & Admin bldg., QC lab, ETP plant
30. Details of the demolition with disposal (If applicable)	Minor quantity of demolition waste will be generated during demolition of existing structure which will be disposed as per The Construction & Demolition Waste Management Rules, 2016.

31. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Bulk Drugs and Intermediates (Excluding formulation) likes below	33180 kg/ A	86850 kg/A	120030 kg/A
2	HYPNOTIC/SEDATIVE/TRANQUILIZER/ANXIOLYTIC/ANTICONSULSANT/ANASTHETIC/ANTIDIABETIC	22357 kg/A	54122 kg/A	76479 kg/A
3	Group I (Nitrazepam, Clonazepam, Bromazepam, Diazepam, Clotiazepam, Flurazepam Mono hydrochloride, Tetrazepam, Delorazepam, Clobazam, Phenazepam)	5773 kg/A	13975 kg/A	19748 kg/A
4	Group II (Alprazolam, Oxazepam, Lorazepam, Zolpidem Tartrate, Triazolam, Etizolam, Temazepam)	5751 kg/A	13922 kg/A	19673 kg/A
5	Group III (Zopiclone(058))	5726 kg/A	13862 kg/A	19588 kg/A
6	Group IV (Chloridazepoxide, Zaleplon, Sodium Oxybate, Stiriepentol, Brivaracetam, Empagliflozin, Dapagliflozin, Saxagliptin, Sitagliptin, Teneligliptin, Linagliptin, Vildagliptin, Chloridazepoxide hydrochloride)	4759 kg/A	11520 kg/A	16279 kg/A
7	Group V (Midazolam base, Midazolam HCl, Midazolam maleate, Clorazepate Di Potassium, Brotizolam, Loprazolam Mesilate, Propiomazine Maleate, Propiomazine HCl, Prazepam, Estazolam, Fludiazepam, Flunitrazepam, Lormetazepam, Pinazepam, Es-Zopiclone)	348 kg/A	843 kg/A	1191 kg/A
8	ANTIDEPRESSANT/CNS STIMULANT (Nortriptyline HCl, Melitracen HCl, Tranylcypromine Sulphate, Amoxapine, Loxapine Succinate, Loxapine HCl, Methylphenidate HCl, Dexamethylphenidate HCl)	3276 kg/A	3969 kg/A	7245 kg/A
9	ANTI-GLUCOMA/ ANTIHISTAMINIC (Brimonidine Tartrate, Timolol Maleate, Dorzoamide HCl, Chloropyramine HCl, Olopatadine HCl)	756 kg/A	1213 kg/A	1969 kg/A
10	ANTI-PROTAZOAL (Nimorazole)	180 kg/A	495 kg/A	675 kg/A
11	ANTI-PSYCHOTIC/ANTI-PYRETIC/ANTI-INFLAMATORY/ ANALGESIC /ANTI-ULCER (Rebamipide, Acotiamide HCl Hydrate, Fluphenazine HCl, Flupentixol, Dihydrochloride, Aripiprazole, Flupentixol Decanoate, Fluphenazine Decanoate, Asenapine Maleate, Benzylamine HCl USP, Zuclopentixol Acetate /HCl/Dacanoate, Brexpiprazole Diperoxochloric Acid Concentrate, Pimavanserin, Mexazolam Quinagolide)	1932 kg/A	6355 kg/A	8287 kg/A
12	ANTIEMETIC (Metopimazine, Nabilone)	60 kg/A	507 kg/A	567 kg/A
13	ANTISPASMODIC/MUSCLE RELAXANT (Chlorzoxazone, Tiemonium Methyl sulphate, Pitofenone HCl)	3900 kg/A	19109 kg/A	23009 kg/A
14	ANTIDYSKINETIC/DIURETIC/SNR INHIBITOR/CHOLINERGIC/URINARY INCONTINENCE (Tetrabenazine, Metolazone(36), Milnacipran HCl, Levomilnacipran HCl, Fampyridine, Rivastigmine Hydrogen tartarate , Valebenazine, Deutetrabenazine , Propiverine HCl)	360 kg/A	674 kg/A	1034 kg/A


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 43 of 70

Signature: 
Dr. Umakant Dangat (Chairman SEAC-I)

15	HYPERTENSION/ ANTIHYPERTENSION (Pindolol)	24 kg/A	111 kg/A	135 kg/A
16	PLATELET INHIBITOR (Prasugrel)	12 kg/A	18 kg/A	30 kg/A
17	ANGINA	12 kg/A	0 kg/A	0 kg/A
18	ANTIVIRAL	12 kg/A	0 kg/A	0 kg/A
19	ANTI CARDIOVASCULAR	12 kg/A	0 kg/A	0 kg/A
20	CALCIMIMETIC	24 kg/A	0 kg/A	0 kg/A
21	ERECTILE DYSFUNCTION	12 kg/A	0 kg/A	0 kg/A
22	IRREVERSIBLE INHIBITOR OF MONOAMIDE OXDASE	12 kg/A	0 kg/A	0 kg/A
23	R & D ACTIVITY & OTHERS (Tolterodine, Silodosin, Voriconazole, Ezetimibe, Solifenacin, Amitriptyline HCl, Pyridostigmine Bromide, Indapamide, Acetazolamide, Clidinium bromide)	240 kg/A	360 kg/A	600 kg/A
24	Recovered Solvents	120 TPA	2880 TPA	3000 TPA

32.Total Water Requirement

Dry season:	Source of water	MIDC
	Fresh water (CMD):	407 cmd
	Recycled water - Flushing (CMD):	Nil
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	Nil
	Total Water Requirement (CMD) :	407 cmd
	Fire fighting - Underground water tank(CMD):	180 Cubic Meter tank capacity is provided
	Fire fighting - Overhead water tank(CMD):	Nil
	Excess treated water	Nil
Wet season:	Source of water	MIDC
	Fresh water (CMD):	349 cmd
	Recycled water - Flushing (CMD):	Nil
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	Nil
	Total Water Requirement (CMD) :	349 cmd
	Fire fighting - Underground water tank(CMD):	180 Cubic Meter tank capacity is provided
	Fire fighting - Overhead water tank(CMD):	Nil
	Excess treated water	Nil
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
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Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 44 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	12	13	25	3	2	5	9	11	20
Industrial Process	25	60	85	14	19	33	11	41	52
Cooling tower & thermopack	82	185	267	81	164	245	1	21	22
Gardening	10	20	30	10	20	30	0	0	0

34. Rain Water Harvesting (RWH)	Level of the Ground water table:	3.5 m
	Size and no of RWH tank(s) and Quantity:	6 X 5.5 X 3 m
	Location of the RWH tank(s):	Near to Plot No 74 Main Gate
	Quantity of recharge pits:	Nil - roof top rain water collected in tank and reused to utility & flushing.
	Size of recharge pits :	No
	Budgetary allocation (Capital cost) :	Rs. 20 Lakh
	Budgetary allocation (O & M cost) :	Rs. 10 Lakh
	Details of UGT tanks if any :	100 KL tank will be use for RWH

35. Storm water drainage	Natural water drainage pattern:	South to North towards MIDC common drain
	Quantity of storm water:	143 lit/second per drain.
	Size of SWD:	4 nos. of SWD each of 375 mm X 600 mm

Sewage and Waste water	Sewage generation in KLD:	20 cmd
	STP technology:	Not applicable. Sewage will be treated in upgraded ETP plant at aeration tank.
	Capacity of STP (CMD):	No
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable

36. Solid waste Management


Abhay Pimparkar (Secretary
SEAC-I)

SEAC Meeting No: 161 Meeting Date: February
16, 2019

Page 45
of 70

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat
(Chairman SEAC-I)

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Minor quantity of construction debris will be generate during project expansion.
	Disposal of the construction waste debris:	Construction waste will be disposed off as per Construction and Demolition Rules, 2016.
Waste generation in the operation Phase:	Dry waste:	Empty drums- 4500 Nos./M, Glass bottles- 13600 Kg/A, Plastic bags- 6080 Kg/A, Corrugated sheets- 1200 kg/A, Metal scrap- 20 TPA, Paper waste- 5 TPA, Plastic waste- 4 TPA, Rubber waste- 1 TPA, Boiler ash- 15 TPA, Wooden waste- 1 TPA
	Wet waste:	Nil
	Hazardous waste:	Sludge and filters contaminate with oil , Used or spent oil, Wastes or residues containing oil, Discarded Asbestos, Process residue and wastes, Spent carbon, Off specification products, Date-expired products, Spent solvent, Empty barrels/containers/liners contaminated with hazardous chemicals/wastes, Contaminated cotton rags or other cleaning materials, Exhaust air or gas cleaning residue, Spent ion exchange resin containing toxic metals, Chemical sludge from waste water treatment, Filter medium
	Biomedical waste (If applicable):	Syringe, Petridishes, Bandage, etc.
	STP Sludge (Dry sludge):	Nil
	Others if any:	Nil
	Mode of Disposal of waste:	Dry waste:
Wet waste:		Nil
Hazardous waste:		Hazardous waste will be safely disposed off to CHWTSDF/ Sale to authorized Re processors
Biomedical waste (If applicable):		CHWTSDF/ Authorized parties
STP Sludge (Dry sludge):		Nil
Others if any:		E waste will be disposed off to authorized recycler.
Area requirement:	Location(s):	within plot
	Area for the storage of waste & other material:	Hazardous waste storage area allocated within plot.
	Area for machinery:	No machinery available
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 35 Lakhs
	O & M cost:	Rs. 5 Lakhs

37. Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	4 to 12	6.0 to 8.5	6.0 to 8.5
2	Oil & Grease	mg/L	< 10	< 10	10
3	Biological oxygen demand	mg/L	2000 to 7000	< 100	100
4	Total Suspended solids	mg/L	200 to 1000	< 100	100
5	Chemical oxygen demand	mg/L	5000 to 10000	< 250	250
6	Chloride	mg/L	500 to 2000	< 600	600
7	Sulphates as SO4	mg/L	< 1000	< 1000	1000



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 46 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

8	Total dissolved solids	mg/L	2000 to 5000	< 2100	2100
9	Phenolic compound	mg/L	< 1	< 1	1
10	Chromium	mg/L	< 1	< 0.1	0.1
11	Sulphide as S	mg/L	< 1	< 2	2
Amount of effluent generation (CMD):		Domestic effluent: 20 CMD & Trade effluent: 74 CMD, Total effluent generation (Existing + Proposed): 94 CMD			
Capacity of the ETP:		94 CMD (Existing + Proposed)			
Amount of treated effluent recycled :		Nil. (Treated effluent will be sent to CETP.)			
Amount of water send to the CETP:		85 CMD			
Membership of CETP (if require):		Unit is already member of Chikhloli- Morivali CETP.			
Note on ETP technology to be used		Low COD/Low TDS & High COD/High TDS effluent is segregated. High COD/High TDS effluent is treated in stripper, MEE followed by ATFD. MEE condensate along with Low COD/Low TDS effluent is treated in Primary, Secondary & Tertiary treatment. Treated effluent will be sent to CETP.			
Disposal of the ETP sludge		ETP sludge will be disposed off in CHWTSDF.			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Sludge and filters contaminate with oil	3.3	TPA	0	2	2	CHWTSDF
2	Used or spent oil	5.1	TPA	4.8	10	14.8	Sale to authorized Re processor/ CHWTSDF
3	Wastes or residues containing oil	5.2	TPA	0.1	0.2	0.3	CHWTSDF
4	Discarded Asbestos	15.2	TPA	0	0.8	0.8	CHWTSDF
5	Process residue and wastes	28.1	TPA	2.4	660.6	663	CHWTSDF
6	Spent carbon	28.3	TPA	6	248	254	CHWTSDF
7	Off specification products	28.4	TPA	0	5	5	CHWTSDF
8	Date-expired products	28.5	TPA	0	5	5	CHWTSDF
9	Spent solvent	28.6	TPM	5	395	400	Sell to authorized Reprocessor/CHWTSDF
10	Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	33.1	kg/ M	0	2000	2000	Sell to authorized Reprocessor/CHWTSDF
11	Contaminated cotton rags or other cleaning materials	33.2	TPA	0	1	1	CHWTSDF
12	Exhaust air or gas cleaning residue	35.1	TPA	0	3	3	CHWTSDF
13	Spent ion exchange resin containing toxic metals	35.2	TPA	0	0.5	0.5	CHWTSDF
14	Chemical sludge from waste water treatment	35.3	TPA	0.96	149.04	150	CHWTSDF
15	Filter medium	36.2	TPA	0	2	2	CHWTSDF
16	E waste	--	kg/M	75	425	500	Sell to authorized Re processor/CHWTSDF



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 47 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

17	Biomedical Waste	--	kg/year	0	100	100	CHWTSDF
18	Used batteries	--	Nos/year	0	100	100	Sell to authorized Re processor/ Buy back

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 (capacity 600 kg/hr) [existing]	LSHS/ LDO: 300 Lit/day	1	20	0.3 m	130°C
2	Boiler standby (capacity 600 kg/hr) [existing]	standby	1	common stack as above	0.3 m	130°C
3	Process reactor [existing]	Alkali scrubber	2	10	0.3 m	42°C
4	Process reactor standby [existing]	Common scrubber as above	2	common stack of 10 mtrs	1.3 m	42°C
5	DG set 380 KVA [existing]	HSD: 260 Lit/month or 100 Lit/Hr	3	12	0.1 m	115°C
6	DG set 40 KVA [existing]	HSD quantity considered in 380KVA DG set	4	12	0.1 m	104°C
7	Boiler (capacity 1000 kg/hr) (proposed)	FO: 1.46 KL/day or Natural Gas: 1700 Nm3/day	5	40	0.5 m	150°C
8	Boiler (capacity 5000 kg/hr)[In place of existing 600 kg/hr boiler](Proposed)	FO: 7.30 KL/day or Natural Gas: 8000 Nm3/day	5	common stack of 40 mtrs	0.5 m	150°C
9	Boiler standby (capacity 5000 kg/hr) [In place of existing 600 kg/hr boiler] (Proposed)	Standby	5	common stack of 40 mtrs	0.5 m	150°C
10	Process reactor [proposed]	Water scrubber	6	10	As per statutory requirement	42°C
11	Process reactor [proposed]	Alkali scrubber	7	10	As per statutory requirement	42°C
12	DG set (1000 KVA) [proposed]	HSD: 250 Lit/hr	8	6.5 m above roof	0.2 m	115°C
13	DG set (750 KVA) [proposed]	HSD: 175 Lit/hr	9	5.5 m above roof	0.2 m	115°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	100 Lit/Hr	425 Lit/Hr	525 Lit/Hr
2	LSHS/ LDO	300 Lit/ Day	--	300 Lit/ Day
3	Furnace oil	--	8.76 KL per Day	8.76 KL per Day
4	Natural Gas	--	9700 Nm3 per Day	9700 Nm3 per Day

41.Source of Fuel from nearby vendors



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 48 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

42. Mode of Transportation of fuel to site		By road		
43. Green Belt Development	Total RG area :	Green belt area: 3019.69 sq. m.		
	No of trees to be cut :	Nil		
	Number of trees to be planted :	Approx. 500 nos.		
	List of proposed native trees :	refer below		
	Timeline for completion of plantation :	2 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	Anona squamosa	Custard apple	10	Medicinal uses
2	Mimusops elengi	Bakuli	100	Ayurvedic medicine
3	Mangifera indica	Mango	10	Along Periphery provide screening effect, Shade and shelter, Soil improvement, Beverage base, Emergency (famine) food
4	Ficus glomerata	Umber	5	Healing power, applied over afflicted by insect bites.
5	Hardwickia binata	Anjan	5	used for making ropes & making agricultural equipment
6	Aegle marmelos	Beal	50	Soil improvement
7	Feronia elephantum	Kawath	50	Soil improvement, Soil compounding
8	Azadirachta indica	Neem	150	Purify the environment by releasing more oxygen & medicinal
9	Gardenia jasminoides	Anant	50	Shade and shelter, Along Periphery provide screening effect
10	Nyctanthus arbor-tristis	Parijatak	50	Shade and shelter, Along Periphery provide screening effect
11	Psidium guaya	Guava tree	10	medicinal uses
12	Plumeria	Chafa	10	Shade and shelter, Along Periphery provide screening effect
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	--	--	--	
47. Energy				


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 49 of 70


Dr. Umakant Dangat (Chairman SEAC-I)

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	3000 KVA (proposed)
	DG set as Power back-up during construction phase	existing DG set of 380 KVA & 40 KVA
	During Operation phase (Connected load):	Proposed power requirement: 3000 KVA
	During Operation phase (Demand load):	Proposed power requirement: 3000 KVA
	Transformer:	3000 KVA
	DG set as Power back-up during operation phase:	Proposed additional DG set: 1 no. of 1000 KVA capacity & 1 no. of 750 KVA
	Fuel used:	Total HSD consumption: 525 Lit/ Hr
	Details of high tension line passing through the plot if any:	Not applicable

48. Energy saving by non-conventional method:

Existing details: 20kw solar energy panels are installed and used in plant. Existing CF Lights replaced with low voltage LED lights & VFD for motors.


Proposed details: It is proposed to install additional 200KW solar energy panels.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar energy 20KW	0.02% saving
2	Replacement of LED lights in place of CFL & installation of VFD for motors. (43KWH)	15.00% saving
3	Solar energy 200KW	2% saving

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air pollution-Boiler	Stack	Stack
Air pollution-Process reactor	Alkali scrubber	Alkali scrubber, Water scrubber
Air pollution-DG set	Stack	Stack
Water pollution	ETP	ETP, RO, MEE + ATFD
Noise	PPE, Enclosure	PPE, Enclosure
Solid & Hazardous waste	Disposal to CHWTSDF	Disposal to CHWTSDF


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 50 of 70

Signature: 
Name: Dr. Umakant Dangat (Chairman SEAC-I)

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Existing Structure Demolition	Demolition area will be barricaded upto 3 m height by GI, Geo-Net sheets, PPE's like dust mask, helmets, safety shoes, goggles & ear plugs to workers, Ensure the occupational health and protection of the workers, general public and adjacent property during demolition activity, Identification of potential hazardous materials, if any and dispose with the proper environmental management and safety, Segregation of debris into recyclable and non-recyclable for proper disposal and management of wa	10
2	Construction	PPE's like safety harness, safety shoes, goggles, helmets will be used during the construction. Safety permit system will be strictly followed. Construction material will be stored in designated area; dusting will be suppressed by using water sprinkle. Construction waste will be used for levelling as per requirement	25

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	Installation of scrubber system for process emissions, etc	25	3
2	Water pollution control	Construction of ETP, RO, MEE, construction of storm water network etc	600	180



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 51 of 70

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

3	Environment Monitoring & Management	Installation of online monitoring, in house monitoring, analytical facilities,	50	1
4	Occupational Health & Safety	Construction of OHC and its facilities, PPE's like helmet, goggles, safety shoes, respirator mask etc.	22	10
5	Green Belt enhancement & maintenance	Plantation, irrigation, fertilisers, pesticides	15	5
6	Solid waste management	Construction of storage area for different types of wastes in compliance with HW rules, necessary infrastructure, equipment's for collection and transport (supper decanter)	35	5
7	LED	Installation of LED	40	10
8	Solar	Installation solar lights along road, Solar bulbs	100	2
9	Rain water harvesting	Development of paved area, Channeling of storm water drain, Construction of ground water recharge pit, Channeling of rain water to RWH tanks, Construction of RWH tanks	20	1

51.Storage of chemicals (inflamable/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
Methanol	existing & proposed	within plot	76 MT	76 MT	923.04 TPA	nearby vendors	By road
IPA	existing & proposed	within plot	74 MT	74 MT	465.048 TPA	nearby vendors	By road
Ethyl Acetate	existing & proposed	within plot	69 MT	69 MT	275.45 TPA	nearby vendors	By road
Toluene	existing & proposed	within plot	76 MT	76 MT	2188.716 TPA	nearby vendors	By road
LDO	existing	within plot	18 MT	18 MT	30 Lit/Day	nearby vendors	By road
HSD	existing & proposed	within plot	1600 L	1600 L	12.6 KL/ Day	nearby vendors	By road



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 52 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

Furnace Oil	proposed	within plot	300 MT	300 MT	4.8 KL/ Day	nearby vendors	By road
52.Any Other Information							
No Information Available							
53.Traffic Management							
	Nos. of the junction to the main road & design of confluence:	Not applicable					
Parking details:	Number and area of basement:	Not applicable					
	Number and area of podia:	Not applicable					
	Total Parking area:	919.4 sq. m.					
	Area per car:	3 m X 3 m					
	Area per car:	3 m X 3 m					
	Number of 2-Wheelers as approved by competent authority:	Not applicable					
	Number of 4-Wheelers as approved by competent authority:	Not applicable					
	Public Transport:	Not applicable					
	Width of all Internal roads (m):	Minimum 6 m					
	CRZ/ RRZ clearance obtain, if any:	Not applicable					
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable					
	Category as per schedule of EIA Notification sheet	5(f)- B1					
	Court cases pending if any	Not applicable					
	Other Relevant Informations	Not applicable					
	Have you previously submitted Application online on MOEF Website.	Yes					
	Date of online submission	26-12-2016					
TOR Suggested Changes							



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 53 of 70

Signature:



Name: Dr. Umakant Dangat


Dr. Umakant Dangat (Chairman SEAC-I)

Consolidated Statement Point Number	Original Remarks	Submitted Changes
Production details	HYPNOTIC/SEDATIVE/TRANQUILIZER/ANXIOLYTIC / ANTICONVULSANT/ANASTHETIC/ANTIDIABETIC Existing quantity - 22356 MT/M Proposed Quantity - 5476479 MT/M Total quantity - 76479 MT/M	HYPNOTIC/SEDATIVE/TRANQUILIZER/ANXIOLYTIC / ANTICONVULSANT/ANASTHETIC/ANTIDIABETIC- Existing quantity - 22357 kg/Annum Proposed Quantity -54122 kg/Annum Total quantity - 76479 kg/Annum
Production details	Group I (Nitrazepam, Clonazepam, Bromazepam, Diazepam, Clotiazepam Existing quantity - -- MT/M Proposed Quantity -19748 MT/M Total quantity - 19748 MT/M	Group I (Nitrazepam, Clonazepam, Bromazepam, Diazepam, Clotiazepam Existing quantity -5773 kg/Annum Proposed Quantity - 13975 kg/Annum Total quantity - 19748 kg/Annum
Production details	Group I Flurazepam Mono hydrochloride, Tetrazepam, Delorazepam, Clobazam, Phenazepam) Existing quantity - -- MT/M Proposed Quantity -19748 MT/M Total quantity - 19748 MT/M	Group I (Flurazepam Mono hydrochloride, Tetrazepam, Delorazepam, Clobazam, Phenazepam) Existing quantity -5773 kg/Annum Proposed Quantity - 13975 kg/Annum Total quantity - 19748 kg/Annum
Production details	Group II (Alprazolam, Oxazepam, Lorazepam, Zolpidem Tartrate, Triazolam, Etizolam, Temazepam) Existing quantity - -- MT/M Proposed Quantity -19673 MT/M Total quantity - 19673 MT/M	Group II (Alprazolam, Oxazepam, Lorazepam, Zolpidem Tartrate, Triazolam, Etizolam, Temazepam) Existing quantity -5751 kg/Annum Proposed Quantity - 13922 kg/Annum Total quantity - 19673 kg/Annum
Production details	Group III (Zopiclone (058) Existing quantity - -- MT/M Proposed Quantity -19588 MT/M Total quantity - 19588 MT/M	Group III (Zopiclone (058) Existing quantity -5726 kg/Annum Proposed Quantity - 13862 kg/Annum Total quantity - 19588 kg/Annum
Production details	Group IV (Chloridazepoxide, Zaleplon, Sodium Oxybate, Stiriepentol, Brivaracetam, Empagliflozin Existing quantity - -- MT/M Proposed Quantity -16279 MT/M Total quantity - 16279 MT/M	Group IV (Chloridazepoxide, Zaleplon, Sodium Oxybate, Stiriepentol, Brivaracetam, Empagliflozin Existing quantity -4759 kg/Annum Proposed Quantity - 11520 kg/Annum Total quantity - 16279 kg/Annum
Production details	Group IV Dapagliflozin, Saxagliptin, Sitagliptin, Teneigliptin, Linagliptin, Vildagliptin, Chlorodiazepoxide hydrochloride Existing quantity - -- MT/M Proposed Quantity -16279 MT/M Total quantity - 16279 MT/M	Group IV Dapagliflozin, Saxagliptin, Sitagliptin, Teneigliptin, Linagliptin, Vildagliptin, Chlorodiazepoxide hydrochloride Existing quantity -4759 kg/Annum Proposed Quantity - 11520 kg/Annum Total quantity - 16279 kg/Annum
Production details	Group V (Midazolam base, Midazolam HCl, Midazolam maleate, Clorazepate Di Potassium, Brotizolam Existing quantity - -- MT/M Proposed Quantity -1191 MT/M Total quantity -1191 MT/M	Group V (Midazolam base, Midazolam HCl, Midazolam maleate, Clorazepate Di Potassium, Brotizolam Existing quantity -348 kg/Annum Proposed Quantity -843 kg/Annum Total quantity -1191 kg/Annum
Production details	Group V Loprazolam Mesilate, Propiomazine Maleate, Propiomazine HCl, Prazepam Existing quantity - -- MT/M Proposed Quantity -1191 MT/M Total quantity -1191 MT/M	Group V Loprazolam Mesilate, Propiomazine Maleate, Propiomazine HCl, Prazepam, Existing quantity -348 kg/Annum Proposed Quantity -843 kg/Annum Total quantity -1191 kg/Annum
Production details	Group V Estazolam, Fludiazepam, Flunitrazepam, Lormetazepam, Pinazepam, Es-Zopiclone) Existing quantity --- MT/M Proposed Quantity -1191 MT/M Total quantity -1191 MT/M	Group V Estazolam, Fludiazepam, Flunitrazepam, Lormetazepam, Pinazepam, Es-Zopiclone) Existing quantity -348 kg/Annum Proposed Quantity -843 kg/Annum Total quantity -1191 kg/ Annum
Production details	Antidepressant/CNS Stimulant (Nortriptyline HCl, Melitracen HCl, Tranylcypromine Sulphate Existing quantity -3276 MT/M Proposed Quantity -3969 MT/M Total quantity -7245 MT/M	Antidepressant/CNS Stimulant (Nortriptyline HCl, Melitracen HCl, Tranylcypromine Sulphate Existing quantity -3276 kg/Annum Proposed Quantity -3969 kg/Annum Total quantity -7245 kg/Annum
Production details	Antidepressant/CNS Stimulant, Amoxapine, Loxapine Succinate, Loxapine HCl, Methylphenidate HCl, Dexamethylphenidate HCl) Existing quantity -3276 MT/M Proposed Quantity -3969 MT/M Total quantity -7245 MT/M	Antidepressant/CNS Stimulant, Amoxapine, Loxapine Succinate, Loxapine HCl, Methylphenidate HCl, Dexamethylphenidate HCl) Existing quantity -3276 kg/ Annum Proposed Quantity -3969 kg/ Annum Total quantity -7245 kg/ Annum
Production details	Antiglucoma/Antihistaminic (Brimonidine Tartrate, Timolol Maleate, Dorzoamide HCl, Chloropyramine HCl, Olopatadine HCl) Existing quantity -756MT/M Proposed Quantity -1213MT/M Total quantity -1969 MT/M	Antiglucoma/Antihistaminic (Brimonidine Tartrate, Timolol Maleate, Dorzoamide HCl, Chloropyramine HCl, Olopatadine HCl) Existing quantity -756 kg/Annum Proposed Quantity -1213 kg/Annum Total quantity -1969 kg/Annum


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 54 of 70


Dr. Umakant Dangat (Chairman SEAC-I)


Production details	Antiprotazoal (Nimorazole) Existing quantity -180 MT/M Proposed Quantity -495 MT/M Total quantity -675 MT/M	Antiprotazoal (Nimorazole) Existing quantity -180 kg/Annum Proposed Quantity -495 kg/Annum Total quantity -675 kg/Annum
Production details	Antipsychotic/Antipyretic/Anti-Inflammatory/ Analgesic /Anti-Ulcer (Rebamipide, Acotiamide HCl Hydrate, Fluphenazine HCl, Flupentixol, Dihydrochloride, Aripiprazole, Flupentixol Decanoate, Fluphenazine Decanoate, Asenapine Maleate, Benzydamine HCl USP, Zuclopentixol Acetate /HCl/Dacanoate, Brexpiperazole Diperoxochloric Acid Concentrate, Pimavanserin, Mexazolam Quinagolide) Existing quantity -1932 MT/M Proposed Quantity -6355MT/M Total quantity -8287 MT/M	Antipsychotic/Antipyretic/Anti-Inflammatory/ Analgesic /Anti-Ulcer (Rebamipide, Acotiamide HCl Hydrate, Fluphenazine HCl, Flupentixol, Dihydrochloride, Aripiprazole, Flupentixol Decanoate, Fluphenazine Decanoate, Asenapine Maleate, Benzydamine HCl USP, Zuclopentixol Acetate /HCl/Dacanoate, Brexpiperazole Diperoxochloric Acid Concentrate, Pimavanserin, Mexazolam Quinagolide) Existing quantity -1932 kg/Annum Proposed Quantity -6355 kg/Annum Total quantity -8287 kg/Annum
Production details	Antiemetic (Metopimazine, Nabilone) Existing quantity -60 MT/M Proposed Quantity -507MT/M Total quantity -567 MT/M	Antiemetic (Metopimazine, Nabilone) Existing quantity -60 kg/Annum Proposed Quantity -507 kg/Annum Total quantity -567 kg/Annum
Production details	Antispasmodic/Muscle Relaxant (Chlorzoxazone, Tiemonium Methyl sulphate, Pitofenone HCl) Existing quantity -3900 MT/M Proposed Quantity -19109 MT/M Total quantity -23009 MT/M	Antispasmodic/Muscle Relaxant (Chlorzoxazone, Tiemonium Methyl sulphate, Pitofenone HCl) Existing quantity -3900 kg/Annum Proposed Quantity -19109 kg/Annum Total quantity -23009 kg/Annum
Production details	Antidyskinetic/Diuretic/Snr Inhibitor/Cholinergic/Urinary Incontinence (Tetrabenazine, Metolazone(36), Milnacipran HCl, Levomilnacipran HCl, Existing quantity -360 MT/M Proposed Quantity -674MT/M Total quantity -1034 MT/M	Antidyskinetic/Diuretic/Snr Inhibitor/Cholinergic/Urinary Incontinence (Tetrabenazine, Metolazone(36), Milnacipran HCl, Levomilnacipran HCl, Existing quantity -360 kg/Annum Proposed Quantity -674 kg/Annum Total quantity -1034 kg/Annum
Production details	Antidyskinetic/Diuretic/Snr Inhibitor/Cholinergic/Urinary Incontinence Fampridine, Rivastigmine Hydrogen tartarate , Valebenazine, Deutetabenazine , Propiverine HCl) Existing quantity -360 MT/M Proposed Quantity -674MT/M Total quantity -1034 MT/M	Antidyskinetic/Diuretic/Snr Inhibitor/Cholinergic/Urinary Incontinence Fampridine, Rivastigmine Hydrogen tartarate , Valebenazine, Deutetabenazine , Propiverine HCl) Existing quantity -360 kg/Annum Proposed Quantity -674 kg/Annum Total quantity -1034 kg/Annum
Production details	Hypertension/Antihypertension (Pindolol) Existing quantity -24 MT/M Proposed Quantity -111 MT/M Total quantity -135 MT/M	Hypertension/Antihypertension (Pindolol) Existing quantity -24 kg/Annum Proposed Quantity -111 kg/Annum Total quantity -135 kg/Annum
Production details	Platelet Inhibitor (Prasugrel) Existing quantity -12 MT/M Proposed Quantity -18 MT/M Total quantity -30 MT/M	Platelet Inhibitor (Prasugrel) Existing quantity -12 kg/Annum Proposed Quantity -18 kg/Annum Total quantity -30 kg/Annum
Production details	Angina Existing quantity -12 MT/M Proposed Quantity -0 MT/M Total quantity -0 MT/M	Angina Existing quantity -12 kg/Annum Proposed Quantity - (-12) kg/Annum Total quantity -0 kg/Annum
Production details	Antiviral Existing quantity -12 MT/M Proposed Quantity -0 MT/M Total quantity -0 MT/M	Antiviral Existing quantity -12 kg/Annum Proposed Quantity - (-12) kg/Annum Total quantity -0 kg/Annum
Production details	Anti Cardiovascular Existing quantity -12 MT/M Proposed Quantity -0 MT/M Total quantity -0 MT/M	Anti Cardiovascular Existing quantity -12 kg/Annum Proposed Quantity - (-12) kg/Annum Total quantity -0 kg/Annum
Production details	Calcimimetic Existing quantity -24 MT/M Proposed Quantity -0 MT/M Total quantity -0 MT/M	Calcimimetic Existing quantity -24 kg/Annum Proposed Quantity - (-24) kg/Annum Total quantity -0 kg/Annum
Production details	Erectile Dysfunction Existing quantity -12 MT/M Proposed Quantity -0 MT/M Total quantity -0 MT/M	Erectile Dysfunction Existing quantity -12 kg/Annum Proposed Quantity - (-12) kg/Annum Total quantity -0 kg/Annum
Production details	Irreversible Inhibitor Of Monoamide Oxdase Existing quantity -12 MT/M Proposed Quantity -0 MT/M Total quantity -0 MT/M	Irreversible Inhibitor Of Monoamide Oxdase Existing quantity -12 kg/Annum Proposed Quantity - (-12) kg/Annum Total quantity -0 kg/Annum
Production details	R & D Activity & Others (Tolterodine, Silodosin, Voriconazole, Ezetimibe, Solifenacin Existing quantity -240 MT/M Proposed Quantity -360 MT/M Total quantity - 600 MT/M	R & D Activity & Others (Tolterodine, Silodosin, Voriconazole, Ezetimibe, Solifenacin Existing quantity -240 kg/Annum Proposed Quantity -360 kg/Annum Total quantity - 600 kg/Annum



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 55 of 70




Dr. Umakant Dangat (Chairman SEAC-I)

Production details	R & D Activity & Others Amitriptyline HCl, Pyridostigmine Bromide, Indapamide, Acetazolamide, Clidinium bromide) Existing quantity -240 MT/M Proposed Quantity -360 MT/M Total quantity - 600 MT/M	R & D Activity & Others (Amitriptyline HCl, Pyridostigmine Bromide, Indapamide, Acetazolamide, Clidinium bromide) Existing quantity -240 kg/ Annum Proposed Quantity -360 kg/ Annum Total quantity - 600 kg/ Annum
Production details	Bulk drug & intermediates (Excluding formulation) likes below Existing quantity -33180 MT/M, Proposed Quantity- 86935 MT/M, Total Quantity- 120031 MT/M	Bulk drug & intermediates (Excluding formulation) likes below- Existing quantity- 33181 kg/annum, Proposed Quantity-86850 kg/annum, Total Quantity- 120030 kg/annum. Refer all products quantities in Kg/ Annum.
Hazardous waste details	Proposed quantity: Process residue: 273.6 TPA, Spent carbon: 26 TPA	Proposed quantity: Process residue: 660.6 TPA, Spent carbon: 248 TPA, Used batteries- 100 Nos/ year
Amount of effluent generation (CMD)	Domestic effluent: 20 cmd & Trade effluent: 100 cmd. Total effluent generation (Existing + Proposed): 120cmd	Domestic effluent: 20 cmd & Trade effluent: 74 cmd. Total effluent generation (Existing + Proposed): 94cmd
Stack emission details	Boiler (capacity 1000kg/hr) (proposed)- FO: 1.8 KL/day	Boiler (capacity 1000kg/hr) (proposed)- FO: 1.46 KL/day or NG - 1700 nm3/day or Briquette 4 TPD
Stack emission details	Boiler (capacity 5000 kg/hr) in place of existing 600kg/hr boiler) (proposed)- FO:3KL/day, Natural Gas 6500 Nm3/day	Boiler (capacity 5000 kg/hr) in place of existing 600kg/hr boiler) (proposed)- FO: 7.3 KL/day, Natural Gas 8000 Nm3/day, Briquette 20 TPD
Details of Fuel to be used	HSD: 100 Lit/ Hr, Proposed: 425 Lit/ Hr, Total: 525 lit/ Hr	HSD: Existing- 260 Lit/ month, Proposed: 425 Lit/ Hr
Details of Fuel to be used	Furnace oil: Existing- --, Proposed- 4.8 KL/ Day, Total- 4.8 KL/ Day	Furnace oil: Existing- --, Proposed- 8.76 KL/ Day, Total- 8.76 KL/ Day
Details of Fuel to be used	Natural Gas: Existing- --, Proposed- 6500 Nm3 per day, Total- 6500 Nm3 per day	Natural Gas: Existing- --, Proposed- 9700 Nm3 per day, Total- 9700 Nm3 per day
Details of Fuel to be used	--	Briquette- Existing- --, Proposed- 24 TPD, Total- 24 TPD
Storage of chemicals	Methanol- 63 MT	Methanol- 76 MT
Storage of chemicals	IPA- 63 MT	IPA- 74 MT
Storage of chemicals	Ethyl acetate- 63 MT	Ethyl acetate- 69 MT
Storage of chemicals	Toluene- 63 MT	Toluene- 76 MT
Biomedical waste quantity	--	100 kg/ year
Mode of disposal of waste of biomedical waste	--	Disposed off to CHWTSDF(TTCWMA)
Rain water harvesting	Level of the ground water table: --	Level of the ground water table: 3.5 meter
Rain water harvesting	Size and no. of RWH tank(s) and quantity:--	Size and no. of RWH tank(s) and quantity: 6 X 5.5 X 3 meter
Rain water harvesting	Location of the RWH tank:--	Location of the RWH tank:Near to green belt zone no. 7
Rain water harvesting	Quantity of recharge pits:--	Quantity of recharge pits: 01 Nos
Rain water harvesting	Budgetary allocation (capital cost):--	Budgetary allocation (capital cost): 20 lakh
Rain water harvesting	Budgetary allocation (O & M cost):--	Budgetary allocation (O & M cost): 10 lakh
Environmental Management Plan Budget	Air pollution control:--	Air pollution control:Capital cost- 25 lakhs, O & M cost- 3 Lakhs per year
Environmental Management Plan Budget	Water pollution control:--	Water pollution control: Capital cost- 600 lakhs, O & M cost- 180 Lakhs per year
Environmental Management Plan Budget	Environment Monitoring & Management:--	Environment Monitoring & Management: Capital cost- 50 lakhs, O & M cost- 1 Lakhs per year
Environmental Management Plan Budget	Occupational Health & Safety:--	Occupational Health & Safety: Capital cost- 22 lakhs, O & M cost- 10 Lakhs per year


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 56 of 70


Dr. Umakant Dangat (Chairman SEAC-I)

Environmental Management Plan Budget	Green Belt enhancement & maintenance:--	Green Belt enhancement & maintenance: Capital cost- 15 lakhs, O & M cost- 5 Lakhs per year
Environmental Management Plan Budget	Solid waste management:--	Solid waste management: Capital cost- 35 lakhs, O & M cost- 5 Lakhs per year
Environmental Management Plan Budget	LED installation:--	LED installation: Capital cost- 40 lakhs, O & M cost- 10 Lakhs per year
Environmental Management Plan Budget	Solar installation:--	Solar installation: Capital cost- 100 lakhs, O & M cost- 2 Lakhs per year
Environmental Management Plan Budget	Rain water harvesting:--	Rain water harvesting: Capital cost- 20 lakhs, O & M cost- 1 Lakhs per year
Green belt developmnt	Green belt area: --	Green belt area: 2946 sq.m
Total parking area	Parking area: --	Parking area: 826 sq.m

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

 Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 161 Meeting Date: February 16, 2019	Page 57 of 70	 Dr. Umakant Dangat (Chairman SEAC-I)
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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 in 142nd meeting held on 14.09.2017 in 142nd meeting of SEAC-1 held on 14.09.2017 wherein ToR was granted to the PP for the preparation of the EIA/EMP report.

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

Based on the presentation made by PP; committee decided to approve the TOR for the preparation of EIA/EMP report as per standard TOR and additional TOR points mentioned below.


1. PP to submit lay out plan showing internal roads, location of pollution control equipment, parking areas, 33% green belt, rain water harvesting etc
2. PP to submit structural stability certificate of existing buildings.
3. PP informed that the plot Nos. 74,75,76 are not yet amalgamated and manufacturing processes are interlinked among these plots; PP asked to amalgamate the plots and submit copy of amalgamation.
4. 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.
5. PP to carry out HAZOP and QRA and submit report
6. PP to submit hazardous chemical handling protocol
7. PP to submit on site and off site emergency plan.
8. PP to submit details of high COD/TDS effluent, design details of ETP.
9. PP to submit design details of air pollution control systems.
10. PP to include details of solid waste generation and its quantity in the EIA report.

PP submitted EIA/EMP report for appraisal.


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

**SEAC Meeting No: 161 Meeting Date: February
16, 2019**

**Page 58
of 70**

Signature: 
Name: Dr. Umakant Dangat
**Dr. Umakant Dangat
(Chairman SEAC-I)**

DECISION OF SEAC

After deliberations with the PP and their accredited consultant SEAC-1 decided to defer the proposal till PP submits compliance of following points.


Specific Conditions by SEAC:

- 1) PP to submit revised Form - II.
- 2) PP to include details of plot area, Built up area, area statement, green belt, rain water harvesting, storm water drain and list of trees to be planted in the Consolidated Statement.
- 3) PP to explore possibility to provide sewage treatment plant for Vasat or Chikhlo municipal corporation in consultation with the District Authority from CER funds.

FINAL RECOMMENDATION

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

SEAC-AGENDA-0000000217


Abhay Pimparkar (Secretary
SEAC-I)

SEAC Meeting No: 161 Meeting Date: February
16, 2019

Page 59
of 70

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat
(Chairman SEAC-I)

Agenda of 161th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day-4)

SEAC Meeting number: 161 Meeting Date February 16, 2019

Subject: Environment Clearance for Environmental Clearance for Proposed MS Billets (1,000 MTD) & Expansion of TMT Bars (77 MTD to 1,000 MTD) Manufacturing Unit

Is a Violation Case: No

1.Name of Project	M/s. Ganraj Ispat Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Gaurav Pramod Dugad
4.Name of Consultant	M/s. Mantras Green Resources Ltd.,Nashik
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project for M S Billet Manufacturing (Existing Rolling Mill)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable, (The Rolling mill is does not attract the provision of Prior Environmental clearance) Consent is issued by MPCB.
8.Location of the project	A-3,Supa MIDC
9.Taluka	Parner
10.Village	Supa
Correspondence Name:	Gaurav Pramod Dugad
Room Number:	Dugad Group,Sheth Shree Narayandas Dugad Chowk
Floor:	Pushpa Height
Building Name:	Pushpa Height
Road/Street Name:	Pune Satara Road
Locality:	Sheth Shree Narayandas Dugad Chowk
City:	Pune
11.Area of the project	MIDC Supa
12.IOD/IOA/Concession/Plan Approval Number	MIDC IOD/IOA/Concession/Plan Approval Number: Not Applicable Approved Built-up Area: 19228
13.Note on the initiated work (If applicable)	No work is initiated. Open land is available for proposed activity.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC Supa
15.Total Plot Area (sq. m.)	41498
16.Deductions	Not applicable
17.Net Plot area	41498
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.): 00
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 00 Approved Non FSI area (sq. m.): 00 Date of Approval: 21-08-2014
19.Total ground coverage (m2)	00
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	00
21.Estimated cost of the project	1200000000


22.Number of buildings & its configuration



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 60 of 70

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Existing rolling mill 2 nos shed is available, new shed for 1,2,3, Manufacturing of billets	Industrial shade will be constructed for Machineries.	Proposed Furnace shed and Rolling mill shed height will be 26 Meters Approximate	
23.Number of tenants and shops	00			
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))	20 meters MIDC approached road is adjacent to industry.			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	09			
29.Existing structure (s) if any	Existing rolling mill shed, raw material storage yard and office.			
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	MS Billets	00	30,000	30,000
2	MS TMT Bars	2310	27690	30,000
32.Total Water Requirement				



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 61 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

Dry season:	Source of water	Supa MIDC
	Fresh water (CMD):	122
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	23
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	145
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	00
Wet season:	Source of water	Supa MIDC
	Fresh water (CMD):	122
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	23
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	145
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	00
Details of Swimming pool (If any)	00	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	07	20	27	01	03	04	06	17	23
Industrial Process	10	85	95	10	85	95	00	00	00
Gardening	06	17	23	06	17	23	06	17	23
Fresh water requirement	23	105	145	17	105	122	06	17	23


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 62 of 70

Signature: 
 Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

34. Rain Water Harvesting (RWH)	Level of the Ground water table:	20 meter below.
	Size and no of RWH tank(s) and Quantity:	Proposed Rainwater harvesting will be one nos. and storage capacity will be five lack ltrs (Number and capacity of Tank will be increased or decreased if require)
	Location of the RWH tank(s):	Rainwater harvesting plan will be elaborate in Final EIA Report
	Quantity of recharge pits:	01
	Size of recharge pits :	Rainwater harvesting plan will be elaborate in Final EIA Report
	Budgetary allocation (Capital cost) :	08.00 Lacs
	Budgetary allocation (O & M cost) :	0.06 Lacs
	Details of UGT tanks if any :	Under ground tank will be designed . required total area 150 m3.
35. Storm water drainage	Natural water drainage pattern:	Storm water drainage will be constructed around the plant area.
	Quantity of storm water:	Will be elaborated in final EIA report
	Size of SWD:	Will be elaborated in final EIA report
Sewage and Waste water	Sewage generation in KLD:	23 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	25 CMD
	Location & area of the STP:	150 sq.mtr area within Premises
	Budgetary allocation (Capital cost):	15 lacs
	Budgetary allocation (O & M cost):	2.5 lacs
36. Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction waste debris
	Disposal of the construction waste debris:	Soil stacked separately will be utilized for plantation, debris will be utilized for land filling, other material will be disposed categorically as per MPCB norms.
Waste generation in the operation Phase:	Dry waste:	Process Slag, process dust: 30 to 50 MTD.
	Wet waste:	Sewage through septic tank
	Hazardous waste:	No any type of hazardous waste is generating in this unit
	Biomedical waste (If applicable):	No
	STP Sludge (Dry sludge):	STP Sludge : 0.5 MTA
	Others if any:	No


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 63 of 70


Dr. Umakant Dangat (Chairman SEAC-I)

Mode of Disposal of waste:	Dry waste:	Sale to Brick Manufacturer
	Wet waste:	No
	Hazardous waste:	No
	Biomedical waste (If applicable):	No
	STP Sludge (Dry sludge):	Sale to Brick Manufacturer /Send to CHWTSDF/Landfilling process
	Others if any:	No
Area requirement:	Location(s):	Near to raw material Storage yard
	Area for the storage of waste & other material:	300 sqm
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not Applicable
	O & M cost:	Not Applicable

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Amount of effluent generation (CMD):		water will be used for only for cooling purpose , so no effluents will be Generated. Water will be cooled and again use for cooling. We are proposed to use new technology for cooling system, dry cooling tower it also reduces water consumption. Domestic waste water will be generated and it will be treat in STP. The treated water will be used for gardening.			
Capacity of the ETP:		Not Applicable			
Amount of treated effluent recycled :		Not Applicable			
Amount of water send to the CETP:		Not Applicable			
Membership of CETP (if require):		Not Applicable			
Note on ETP technology to be used		Not Applicable			
Disposal of the ETP sludge		Not Applicable			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

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	Fume Extraction	Electricity	01	45	1.2	40 to 45 degree celsius
2	Existing Rolling Mill	Electricity	01	30	1.2	40 to 45 degree celsius

40. Details of Fuel to be used


Serial Number	Type of Fuel	Existing	Proposed	Total



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 64 of 70

Signature: 
 Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

1	Electricity	04 MW	15 MW	19 MW
41.Source of Fuel		MSEDCL		
42.Mode of Transportation of fuel to site		MSEDCL		
43.Green Belt Development				
Total RG area :		33% area will be mark as per norms for green belt development		
No of trees to be cut :		00		
Number of trees to be planted :		1500		
List of proposed native trees :		Neem, Ashoka, Nilgiri, Aapta etc.		
Timeline for completion of plantation :		Within Construction Phase		
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	Azadirachata Indica	Neem	200	Shady tree ,medicinal use
2	Ficus Religiosa	Peepal	100	semi deciduous
3	Mimusops elengi	Bakul	100	Shady tree ,small white fragrant flowers
4	Mangifera Indica	Mango	300	State Flowers tree of Maharashtra Medium sized tree beautiful purple flowers
5	Bauhinia Racemosa	Aapta	100	Small tree with small white flowers ,butterfly host plant
6	Ziziphus mauritiana	Ber	200	Fast Growing and hardy Plant
7	Termenalia chebula	herra	100	decidious tree , used is ayurveda as medicine
8	Tectona grandis	Teak	100	Hard wood tree
9	Acacia Dealbata	Silvar wattle	100	Fast Growing, evergreen shrub.
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	China rose	2x2	4	
2	Garden croton	1x1	1	
3	American aloe	2x2	4	
4	Black physicnut	3x3	9	
47.Energy				


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 65 of 70

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	1 MW
	DG set as Power back-up during construction phase	500 KVA
	During Operation phase (Connected load):	15 MW
	During Operation phase (Demand load):	Existing : 4 MW & Proposed : 15 MW
	Transformer:	33 KV *3 nos.
	DG set as Power back-up during operation phase:	2 sets of 500 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48. Energy saving by non-conventional method:

solar system will be installed at office roof top, street light will be illuminated with solar system.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	No	00

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Existing Rolling Mill	30 meter stack is provided	Wet Scrubber is installed.
Induction Furnace	45 meter stack will be installed with lightning arrester	Fume extraction system followed by venturi scrubber with stack height 45 meters

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	05 Lacs
	O & M cost:	0.5 Lacs

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air pollution	dust suppression and water sprinkling	05
2	Wastewater management	STP	02
3	solid waste Management	construction debris disposal	05


Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 66 of 70

Signature: 
Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

4	green belt development	green belt development	05
5	environmental Monitoring	Environmental parameters to be monitored	02

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	Pollution Control chimney ,water coiling arrangement insulation etc	150	15
2	Wastewater management	Wastewater management	15	2.5
3	Green belt	Development of green belt by plantation of 643 plants herbs and shrubs covering 33% area of total area	5	02
4	Environmental Monitoring and Managment	Air qulaity,Water and wastewater quality,Noise level,soil quality	8	3.5
5	solid waste managment	machinaries	36	08
6	environmental Management cell	for Management of environment	05	03

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
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Internal road width is 06 meter wide and turning radius is 09 meters, 12 % parking is provided which will be 4986 SQM.
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Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 67 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

Parking details:	Number and area of basement:	Traffic management plan will be elaborate in final EIA report .
	Number and area of podia:	Traffic management plan will be elaborate in final EIA report .
	Total Parking area:	Traffic management plan will be elaborate in final EIA report .
	Area per car:	Traffic management plan will be elaborate in final EIA report .
	Area per car:	Traffic management plan will be elaborate in final EIA report .
	Number of 2-Wheelers as approved by competent authority:	Traffic management plan will be elaborate in final EIA report .
	Number of 4-Wheelers as approved by competent authority:	Traffic management plan will be elaborate in final EIA report .
	Public Transport:	Traffic management plan will be elaborate in final EIA report .
	Width of all Internal roads (m):	Traffic management plan will be elaborate in final EIA report .
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	3 (a) B1
	Court cases pending if any	No
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	03-08-2017

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



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 68 of 70



Dr. Umakant Dangat (Chairman SEAC-I)

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 submitted their application for the grant of TOR under category 3(a)B1 as per EIA Notification, 2006 for expansion of existing unit. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 143rd meeting of SEAC-1 held on 11.10.2017 wherein ToR was granted to the PP for the preparation of the EIA/EMP report.

PP proposes to install two numbers of 40MT/Heat and one number of 20 MT/Heat of furnace.

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

Public Haring was conducted on 24.10.2018.

Now PP submitted EIA/EMP/Public Hearing report for appraisal.


DECISION OF SEAC



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 161 Meeting Date: February 16, 2019

Page 69 of 70



Signature:
 Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

After deliberations with the PP and their accredited consultant, SEAC-1 decided to defer the proposal till PP submits compliance of following points.

Specific Conditions by SEAC:

- 1) PP to provide minimum 5 meter wide green belt along the periphery of the proposed plot and submit revised layout plan.
- 2) PP to carry out Risk Assessment of the activities and submit report along with proposed mitigation measures.
- 3) PP to carry out heat integration study and submit report with respect to the possibility of heat recovery and reuse.
- 4) PP to prepare and submit CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.
- 5) PP to submit details of utilization/resue/disposal of slag generated from the proposed activity.

FINAL RECOMMENDATION

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


SEAC-AGENDA-0000000217



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

**SEAC Meeting No: 161 Meeting Date: February
16, 2019**

**Page 70
of 70**



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