Discussion Item:

Maharashtra State Mining Corporation Limited (Gaurala Limestone Mine)

A reference has been received from Maharashtra Pollution Control Board vide No. BO/JD(Air)/B-30 dated 22.02.2017 regarding seeking opinion for the applicability of Environment Clearance for the proposal as below.

1. Maharashtra State Mining Corporation Limited is having open cast mines namely Gaurala Limestone Mine: Part I and Part II over 116.13 Ha and 3.62 Ha respectively.

2. These mines area situated at Gaurala and Somnalal villages in Yavatmal district.

3. Dates of grant of Part I lease is 17.04.1984 and first renewed on 12.12.2004 for further period of 20 years (Reference Letter No. MSMC/GLM-MPCB/2017 dated 01.03.2017) and Part II lease is granted on 30.05.2002 for the period of 30 years.

4. The General Manager stated to the MPCB that as per EIA notification 2006 the expansion and modernisation of existing project or activities listed in schedule to the notification with addition of capacity beyond the limits specified for concern sector that is projects or activities which cross the threshold limits given in the schedule after expansion or modernisation. In this regard it has been clarified by industry that, there is no expansion for leasehold area and no modernisation.

5. AS per MoEF circular dated 28.10.2004 which states in sub-point (ii) of I as follows

"In addition, all mining projects of the major minerals of more than 5 Ha lease area which have so far not obtained an Environment Clearance under EIA Notification, 1994 shall do so at the time of renewal of their lease"

6. As per MOEF Notification dated 14th September, 2006 which states at para 2 (ii) as follows,

"Expansion and Modernisation of existing projects or activities listed in the Schedule to this Notification with addition of capacity beyond the limits specified for the concerned sector, that is, projects or activities which cross the threshold limits given in the schedule. After expansion or modernisation"

7. As per MoEF circular dated 02nd July 2007 which states as follows,

"It is clarified that all such mining projects which did not require Environment Clearance under EIA Notification, 1994 would continue to operate without obtaining Environment Clearance till the mining lease fall due for renewal, if there is no increase in lease area and /or there is no enhancement of production"

In view of above history MPCB requested SEIAA to give its opinion on the applicability of prior Environment Clearance to the above said mines.

SEAC deliberated the issue with the officer of Maharashtra State Mining Corporation Ltd, who presented the case before committee at length and noted following observations.

1. As far as part II lese having area 3.62 Ha is concerned the presenting officer informed that the lease is not yet renewed for this mine; Hence SEAC is of the opinion that no prior Environment Clearance is required for this lease under EIA Notification, 2006. But PP to ensure to obtain prior Environment Clearance at the time of renewal of the lease or in case of expansion/modernisation etc. as per EIA Notification, 2006 and amendments thereof .

2. As per communication on record with the SEAC from MPCB and MSMCL it is observed that the Part I lease having area of 116.13 Ha granted first lease on 17.04.1984 and first renewed on 12.12.2004. At the time of renewal above mentioned MoEF circular dated 28.10.2004 was in force and applicable to the lease and prim facia it appears that, prior Environment Clearance was necessary at the time of renewal of the lease. The lease holder was expected to obtain prior Environment Clearance. But Thereafter, the Ministry of Environment, Forest and Climate Change, Govt. of India has published EIA Notification, 2006 wherein the mining projects with lease area of 5 Ha and above and less than 50 Ha area are categorized as "B" and dealt by State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) whereas, the project with lease area of 50 Ha and above area categorized as "A" projects. The category "A" projects area considered and decided at EAC constituted by the Ministry of Environment, Forest and Climate Change.

In view of above SEAC is of the opinion that, the proposal falls under category "A" as per EIA Notification, 2006 and is in the jurisdiction of EAC constituted by MoEF&CC. MPCB/MSMCL may obtain opinion from EAC, MoEF&CC on the applicability of prior Environment Clearance.

With this remark SEAC refer the proposal to SEIAA for further decision/action.

SEAC-1 Meeting

SEAC Meeting number: 138 th SEAC-1 Meeting **Meeting Date** June 1, 2017

Subject: Environment Clearance for S Kant Chemicals Private Limited

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	New project for manufacturing of Active Pharmaceutical ingredients and Bulk Drugs
2.Type of institution	Private
3.Name of Project Proponent	Mr. Gaurav Shah
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Not applicable
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	No
8.Location of the project	Plot no. W-05, W-06
9.Taluka	Palghar
10.Village	Kumbhavli
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 336
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	Not applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.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.): Not applicable
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	68400000

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)	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
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	4, 7 Dichloroquinoline	NA	2	2
2	Acyclovir	NA	4	4
3	Ambroxol HCL	NA	3	3
4	Ammodiaquine	NA	2	2
5	Artemether	NA	2	2
6	Artsunate	NA	0.75	0.75
7	Atovaquone	NA	0.25	0.25
8	Entacapone	NA	1	1
9	Erythromycin	NA	5	5
10	Fluconazole	NA	2	2
11	Ganciclovir	NA	2	2
12	Glibenclamide	NA	1	1
13	Gliclazide	NA	3.5	3.5
14	Glimepiride	NA	1	1
15	Glipizide	NA	1	1
16	Hydroxy Chloroquine Sulfate	NA	1	1
17	Losartan Potassium	NA	4	4
18	Lumefantrine	NA	3	3
19	Moxifloxacin	NA	2	2
20	Piperaquine Phosphate	NA	1	1
21	Pyrazinamide	NA	5	5
22	Pyrimethamine	NA	1	1
23	Sodium Sulfanilamide	NA	5	5
24	Sulfadimethoxine	NA	3	3
25	Sulfadoxine	NA	2.5	2.5
26	Sulfasalazine	NA	2.5	2.5
27	Valganclovir	NA	5	5

32.Total Water Requirement

Dry 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
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)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	NA	10	10	NA	2	2	NA	8	8
Industrial Process	NA	31	31	NA	3	3	NA	28	28
Cooling tower & thermopack	NA	82	82	NA	62	62	NA	20	20
Gardening	NA	1	1	NA	1	1	NA	NA	NA
Fresh water requirement	NA	124	124	NA	68	68	NA	56	56

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	There are two underground tanks: One for Water supply (Capacity- 100 CMD) and One for Fire Hydrant (Capacity- 100 CMD)
35.Storm water drainage	**Natural water drainage pattern:**	provided by MIDC
	Quantity of storm water:	NA
	Size of SWD:	NA
Sewage and Waste water	**Sewage generation in KLD:**	8
	STP technology:	NA
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	Discarded containers / Barrels/ Liners contaminated with hazardous chemicals / waste
	Wet waste:	Chemical sludge from waste water treatment, Process waste sludge/ residue, Spent carbon from Process, Spent carbon from ETP
	Hazardous waste:	250.5 MT/M
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Downstream User
	Wet waste:	MWML
	Hazardous waste:	MWML
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Area for Manufacturing, Area used for RM/Product Storage, Utility area (Boiler, Cooling Tower), Admin Building (Office, Security cabin), Internal Road, Open Area, Green belt area, Parking area
	Area for the storage of waste & other material:	369 m2
	Area for machinery:	336 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	55600000
	O & M cost:	20000000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	5-9	7-8	6.5 -9.0
2	TSS	mg/l	300-350	50-80	below 100
3	COD	mg/l	5000-6000	200-240	below 250
4	BOD	mg/l	2000-3000	80-90	below 100
5	TDS	mg/l	2000-2100	1600-1900	below 2100
6	O&G	mg/l	20-25	5-6	below 10

Amount of effluent generation (CMD):	56
Capacity of the ETP:	65
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	56
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Primary, Secondary, Tertiary
Disposal of the ETP sludge	MWML

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical sludge from waste water treatment	34.3	MT/M	NA	6	6	MWML
2	Process waste sludge/ residue	26.1	MT/M	NA	240	240	MWML
3	Spent carbon from Process	28.8	MT/M	NA	1.5	1.5	MWML
4	Spent carbon from ETP	35.3	MT/M	NA	3	3	MWML
5	Discarded containers / Barrels/ Liners contaminated with hazardous chemicals / waste	33.3	Nos.	NA	50	50	Downstream User

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases

1	BOILER 1 of 1 TPH (regular)	LDO, 1248 kg/day	stack no. 1, combined stack for both boilers	30	0.6	200Â°C
2	BOILER 2 of 1 TPH (standby)	LDO, 1248 kg/day	stack no. 1, combined stack for both boilers	30	0.6	200Â°C
3	one DG set of 200 KVA	HSD, 840 kg/day	2	3.5m above enclosure	0.15	150Â°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO	NA	1248 kg/day	1248 kg/day
2	HSD	NA	840 kg/day	840 kg/day
41.Source of Fuel		Local Market		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	170
	No of trees to be cut :	NA
	Number of trees to be planted :	30
	List of proposed native trees :	10
	Timeline for completion of plantation :	6 months after grant of EC

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	Ficus religiosa	Pimpal	7	Dust resistant and local variety
2	Polyalthia longifolia	False Ashok	8	Sound barrier and local variety
3	Azardirachta indica	Neem	8	Dust resistant and medicinal value
4	Anthosephalus cadamba	Kadamb	7	Dust barrier and local variety
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200 kW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	250 kW
	During Operation phase (Demand load):	200 kW
	Transformer:	500 KVA
	DG set as Power back-up during operation phase:	200 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Boiler 1	NA	combined stack
Boiler 2	NA	combined stack

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Stack	for dispertion	13	2.5

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
m-chloroaniline	Liquid	Carboy	3	2.5	2.03	Local	Tempo
Ethyl ethoxymethylenemalonate	Liquid	Carboy	4	3.8	3.66	Local	Tempo
Sodium hydroxide	Solid	Drum	20	19	18.88	Local	Tempo
Phosphorus oxychloride	Liquid	Carboy	8	7.5	7.12	Local	Tempo

Methanol	Liquid	Tank	205	204	203.22	Local	Tanker
IPA	Liquid	Tank	105	100	99.97	Local	Tanker
Acetic acid	Liquid	Carboy	8	7.8	7.80	Local	Tempo
Acetone	Liquid	Tank	40	38	36.82	Local	Tanker
Triethylamine	Liquid	Carboy	1	0.5	0.182	Local	Tempo
Acetonitrile	Liquid	Tank	40	38	35.46	Local	Tanker
Ethyl acetate	Liquid	Carboy	8	7.5	7.33	Local	Tempo
Cyclohexane	Liquid	Carboy	4	3.8	3.64	Local	Tempo
MDC	Liquid	Tank	105	102	101.04	Local	Tanker
Toluene	Liquid	Tank	140	136	135.302	Local	Tanker
Piperidine	Liquid	Carboy	0.2	0.1	0.039	Local	Tempo
Hexane	Liquid	Tank	3	2.5	2.44	Local	Tanker
Sodium Methoxide	Solid	Drum	2	1.5	1.066	Local	Tempo
p-toluene sulfonyl area	Solid	Drum	3	2.8	2.78	Local	Tempo
DMF	Liquid	Tank	12	11.5	11.02	Local	Tanker
THF	Liquid	Drum	12	11.5	11.18	Local	Tempo
Phosphoric acid	Liquid	Carboy	0.2	0.1	0.884	Local	Tempo
Sodium Azide	Solid	Drum	2	1.5	1.53	Local	Tempo
TEA. HCL	Solid	Drum	5	4.5	4.24	Local	Tempo
Di-N-butyl amine	Liquid	Carboy	1.5	1	0.91	Local	Tempo
Boric Acid	Solid	Drum	0.5	0.3	0.29	Local	Tempo
Guanidine HCL	Solid	Drum	1.51	1	0.884	Local	Tempo
DCMP	Solid	Drum	2	1.8	1.79	Local	Tempo
Pd/c	Liquid	Drum	0.3	0.2	0.156	Local	Tempo
HCL	Liquid	Carboy	100	95	92.351	Local	Tempo

52.Any Other Information

No Information Available

53.Traffic Management

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

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5f (B1)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	02-01-2017

Brief information of the project by SEAC

Earlier PP submitted their application for grant of TOR to the MoEF&CC; EAC granted the TOR vide letter No. J-11011/2/2017-IA.II(I) dated 29th April, 2017.

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draftTOR based on standard TOR issued by MoEF & CC published in April, 2015.

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

DECISION OF SEAC

Draft Terms of Reference (TOR) have been discussed and finalized during 138th meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

Specific Conditions by SEAC:

1) PP to ensure the stability of existing manufacturing structures/buildings and submit copies of their structural stability certificates.
2) PP to include history of the transfer of their plot in the EIA reprot.
3) PP to submit an affidavit for achieving Zero Liquid Discharge and not discharging any additional load on CETP or in any other source out side the limits of factory premises.
4) PP to carry out impurity profiling of the products to be manufactured to avoid any unforeseen incident.
5) PP to include their plan for container decontamination ,treatment and disposal of waste water generated from this activity.
6) PP to ensure the exit gas temperature from DG set Stack and Boiler Stack under prescribed limits and submit details.
7) HAZOP study shall be carried out for all the processes together as well as processes involving production of specific products.
8) PP to submit details of generation of Hazardous and non hazardous waste generation their collection, treatment and disposal plan and include the same in EIA report.
9) 5 m wide green belt (in view of plot area) around the periphery to be developed.

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

SEAC-1 Meeting

SEAC Meeting number: 138 th SEAC-1 Meeting **Meeting Date** June 1, 2017

Subject: Environment Clearance for Proposed Green Field POL Terminal by M/s BPCL

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	Proposed Green Field POL Terminal by M/s BPCL
2.Type of institution	TOR
3.Name of Project Proponent	M/s Bharat Petroleum Corporation Limited
4.Name of Consultant	ULTRA-TECH (Environmental Consultancy and Laboratory)
5.Type of project	Industrial Project Categorised as 6(b) as per EIA Notification 2006 and its further amendments
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Survey No.1
9.Taluka	Haveli
10.Village	Tarde
11.Area of the project	Pune Metropolitan Regional Development Authority (PMRDA)
12.IOD/IOA/Concession/Plan Approval Number	We are PESO approved
	IOD/IOA/Concession/Plan Approval Number: We are PESO approved
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	27.5 hectares
16.Deductions	NA
17.Net Plot area	27.5 hectares
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): NA
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	2670000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	As per plan approved by PESO	As per plan approved by PESO	As per plan approved by PESO

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	6m wide road

28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Ethanol	0	2 X 1348	2696
2	Motor spirit	0	8 X 5429	43432
3	High speed diesel	0	8 X 7148	57184
4	Biodiesel	0	2 x1348	2696
5	SKO	0	2 X 846	1692
6	SLOP	0	1 no. 100	100
7	HSD	0	1 no.20 and 1 no. 100	120
8	SKO	0	1 no. 100	100
9	ATF	0	4 x 3359	13436

32.Total Water Requirement

Dry season:	**Source of water**	Local body
	Fresh water (CMD):	20
	Recycled water - Flushing (CMD):	12
	Recycled water - Gardening (CMD):	30
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	62
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	12000
	Excess treated water	0

Wet season:	**Source of water**	Local body
	Fresh water (CMD):	20
	Recycled water - Flushing (CMD):	12
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	32
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	12000
	Excess treated water	0
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	0	20	20	0	2	2	0	18	18
Industrial Process	0	10	10	0	10	10	0	0	0
Domestic	0	10	10	0	2	2	0	8	8
Gardening	0	10	10	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	6 To 10m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	Underground Storage tanks are provided HSD -100M3, SJO 100M3, MS 100M3 AND SLOP 20M3

35.Storm water drainage	**Natural water drainage pattern:**	North To South
	Quantity of storm water:	NA
	Size of SWD:	As needed

Sewage and Waste water	**Sewage generation in KLD:**	5
	STP technology:	Septic Tank followed by Soak Pit
	Capacity of STP (CMD):	NA
	Location & area of the STP:	As per layout
	Budgetary allocation (Capital cost):	5Lacs
	Budgetary allocation (O & M cost):	1 lac

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	23 kd/day
	Disposal of the construction waste debris:	used within premises
Waste generation in the operation Phase:	**Dry waste:**	167 kg/day
	Wet waste:	7 kg/day
	Hazardous waste:	5 MT/year
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Sent to authorized contractor
	Wet waste:	Treated in composting machine
	Hazardous waste:	Sent to authorized contractor
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	Sent to authorized contractor
Area requirement:	**Location(s):**	10m2
	Area for the storage of waste & other material:	5m2
	Area for machinery:	5m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	7Lacs
	O & M cost:	1.5lacs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	PH	-	5.5 to 7.5	7.5 to 8	7.5 to 8
2	TSS	mg/lit	100	<100	<100
3	BOD	mg/lit	500	<100	<100
4	COD	mg/lit	800	<250	<250
5	TDS	mg/lit	400	<200	<200
6	Oil & grease	mg/lit	20	<10	<10

Amount of effluent generation (CMD):	8
Capacity of the ETP:	Oil Water Separator of 55 m3/hr
Amount of treated effluent recycled :	As recovered from OWS
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA

Note on ETP technology to be used	Oil Water Seperator
Disposal of the ETP sludge	Shall be sent to CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Oil water sludeg	34.3	MT	0	5 MT/ year	5 MT/ year	CHWTSDF/Bio remediation

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	Attached to DG set	Diesel 240 L/D	1	5.5 ABOVE ROOP	0.3	160

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0	240	240
41.Source of Fuel		Authorized supplier		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	22.83 acre
	No of trees to be cut :	NA
	Number of trees to be planted :	700
	List of proposed native trees :	List as per native species
	Timeline for completion of plantation :	by upcoming 5 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mangifera indica	Mango	50	Fruit bearing evergreen tree
2	Delonix regia	Gulmohar	200	Flower bearing deciduous tree
3	Samani saman	Rain tree	50	Flower bearing deciduous tree
4	Azadiricta indica	Neem	100	Flower bearing deciduous tree
5	Pumeria alba	Chafa	10	Flower bearing deciduous tree
6	Cocos nucifera	Naral	25	Fruit bearing evergreen tree
7	Alstonia	Satvin	50	Evergreen tree
8	Cassia fistula	Bhava	25	Flower bearing deciduous tree
9	Polyalthia longifolia	Ashok	25	Evergreen tree
10	Ficu bengalensis	vad	20	Fruit bearing evergreen tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Co. Ltd (MSEDCL)
	During Construction Phase: (Demand Load)	33/22KV, HT Incoming supply will be sourced from State Electricity Board
	DG set as Power back-up during construction phase	1x750 KVA
	During Operation phase (Connected load):	same as above
	During Operation phase (Demand load):	same as above
	Transformer:	NA
	DG set as Power back-up during operation phase:	1x750 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Not applicable

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Not applicable	Adequate Stack height will be provided for DG set
waste water	Not applicable	Oil Water Separator willbe provide, Sewage Treated
Noise	Not applicable	Acoustic enclosure will be provided for DG sets,

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Expenditure of environment magement	Air, water, Noise & Labour	As per requirment

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Expenditure of environment magement	Environment asoects	As per requirment	As per requirment

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

Ethanol	Proposed	As per layout	2X1365	2730KL	As per requirement	-	By rail
Motor spirit	Proposed	As per layout	3X5500	1650D	As per requirement	-	By rail
Hihgh speed diesel	Proposed	As per layout	3X7250	21750	As per requirement	-	By rail
Biodiesel	Proposed	As per layout	2x1365	2730	As per requirement	-	By rail
SKO	Proposed	As per layout	2X85B	1716	As per requirement	-	By rail
SLOP	Proposed	As per layout	1no. 10010	10010	As per requirement	-	By rail
Hihgh speed diesel	Proposed	As per layout	1no.20 Btrd 1no. 100KL	120	As per requirement	-	By rail
SKO	Proposed	As per layout	1no. 100	10010.	As per requirement	-	By rail

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	7000m2
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Industrial Project Categorised as 6(b) as per EIA Notification 2006
	Court cases pending if any	NA
	Other Relevant Informations	There is no manufacturing process involved in the Depot. The Rail Fed POL Depot shall be handling and storing various finished petroleum products
	Have you previously submitted Application online on MOEF Website.	No

	Date of online submission	-

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 6(b)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

As the proposed activity is not located in the notified industrial area/estate (MIDC), PP to carry out Public Hearing/Consultation as per EIA Notification, 2006 and submit compliance reprot of the issues raised during the Public Hearing/Consultation.

DECISION OF SEAC

Draft Terms of Reference (TOR) have been discussed and finalized during 138th meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

Specific Conditions by SEAC:

1) PP to specifically include details of water source for their use like domestic purpose, fire fighting, industrial use etc. along with quantities; PP also to submit copies of permissions/NOC obtained for getting required water quantity from competent authority.
2) PP to submit copies of On Site and Off Site Emergency Preparedness Plan duly accepted by competent authority.
3) PP to include detailed water balance chart in EIA report along with quantities of waste water generation and its disposal.
4) PP proposes only oil and grease chamber for waste water treatment where as PP also proposes to store water soluble materiel like ethanol; PP to submit their plan for the treatment of waste water contaminated by water soluble chemicals like ethanol etc.
5) PP to include separate chapter on reeving, loading, unloading, storage of all the materials to be handled in the EIA report along with risk assessment and contingency plan.

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

SEAC-1 Meeting

SEAC Meeting number: 138 th SEAC-1 Meeting **Meeting Date** June 1, 2017

Subject: Environment Clearance for Storage Capacity expansion of LPG Bottling plant Chandrapur (2x500 MT MSV)

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	Storage Capacity expansion of LPG Bottling plant Chandrapur . (2 x 500 MT Mounded storage vessel)
2.Type of institution	Government
3.Name of Project Proponent	Hindustan Petroleum Corporation Limited, Chandrapur
4.Name of Consultant	Anacon Laboratories Private Limited, Nagpur
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in Existing Project. existing capacity :570 MT , Proposed capacity: 2x500 MT MSV.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable as existing plant does not fall in the purview of EIA Notification
8.Location of the project	B-32,33
9.Taluka	Chandrapur
10.Village	Chichala
11.Area of the project	MIDC Chandrapur
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 31.67
13.Note on the initiated work (If applicable)	Construction Work not Started yet
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	Not Applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.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.): Not applicable
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	160000000

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

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

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)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	LPG	570 MT	1000 MT	1570 MT

32.Total Water Requirement

Dry season:	**Source of water**	MIDC, Chandrapur
	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
Wet season:	**Source of water**	MIDC, Chandrapur
	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)

Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	15	0	15	5	0	5	10	0	10

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Details study will be Provided in EIA Report
	Size and no of RWH tank(s) and Quantity:	Details study will be Provided in EIA Report
	Location of the RWH tank(s):	Details study will be Provided in EIA Report
	Quantity of recharge pits:	Details study will be Provided in EIA Report
	Size of recharge pits :	Details study will be Provided in EIA Report
	Budgetary allocation (Capital cost) :	Details study will be Provided in EIA Report
	Budgetary allocation (O & M cost) :	Details study will be Provided in EIA Report
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	**Natural water drainage pattern:**	Details study will be Provided in EIA Report
	Quantity of storm water:	Details study will be Provided in EIA Report
	Size of SWD:	Details study will be Provided in EIA Report
Sewage and Waste water	**Sewage generation in KLD:**	Details study will be Provided in EIA Report
	STP technology:	Details study will be Provided in EIA Report
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste , Domestic waste, Gardening Waste and used oil.
	Disposal of the construction waste debris:	The construction waste will be use for leveling , domestic and gardening waste will be used for composting. used oil generated from construction machinery will be collected, stored separately and sold to authorized recyclers.
Waste generation in the operation Phase:	**Dry waste:**	Office waste and Garden waste
	Wet waste:	Domestic waste
	Hazardous waste:	Paint residue and used/spent oil
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Composting
	Wet waste:	Composting
	Hazardous waste:	Disposed off Through Authorized used oil re-processor.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	treated domestic shall be soaked in a soak pit, which shall be cleaned periodically. overflow shall be used on land for gardening with premises.
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Paint Shop
	Area for the storage of waste & other material:	Near to Paint Shop
	Area for machinery:	Demarcated Area within Plant
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable
	O & M cost:	Not Applicable

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	9.07	7.10	6.5 to 9
2	Total suspended Solid	mg/l	156	30	<100
3	Total dissolved Solid	mg/l	1786	900	<2100
4	COD	mg/l	307	24	<250
5	BOD	mg/l	28	<3	<100
6	Oil and grease	mg/l	<1	<1	<10
7	Chloride	mg/l	210	80	<600
8	sulphate	mg/l	190	110	<1000

Amount of effluent generation (CMD):	Details study will be Provided in EIA Report
Capacity of the ETP:	Details study will be Provided in EIA Report
Amount of treated effluent recycled :	Details study will be Provided in EIA Report
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	Paint Residue	21.1	kg/m	180	0	180	CHWTSDF
2	used/ spent oil	5.1	lit/day	6.0	0	6.0	Sate to Authorized Reprocesor

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 -1	HSD	1	3.16 from roof level	NA	117
2	DG-2	HSD	1	2.2 from roof level	NA	110

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	300 Lit/M	0	300 Lit/M

41.Source of Fuel	Locally Purchased
42.Mode of Transportation of fuel to site	Barrels or Tankers

43.Green Belt Development	**Total RG area :**	Details provided in EIA Report
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	Details provided in EIA Report
	List of proposed native trees :	Details provided in EIA Report
	Timeline for completion of plantation :	Details provided in EIA Report

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electrical Distribution co.ltd.
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	Not Applicable
	During Operation phase (Demand load):	359 KVA
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

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
DG Sets	Acoustic Enclosure	Ear protecting devices earplugs/ ear muffs to the workers/employees
Domestic Effluent	Domestic Effluent treated through septic tank/sock pit system	Septic tank / sock pit

Industrial Effluent	ETP	ETP
solid waste	composting and Disposal to authorized vendors	TSDF site. HW Storage with RCC Flooring

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):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Details will be provided in EIA Report	Details will be provided in EIA Report	Details will be provided in EIA Report

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Details will be provided in EIA Report	Details will be provided in EIA Report	Details will be provided in EIA Report	Details will be provided in EIA Report

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
Liquid Petroleum Gas	2 Bullets	Bullets Area	300 MT	300 MT	NA	GAIL GANDHAR , HAZIRA	By Truck Tanker
Liquid Petroleum Gas	2 Bullets	Bullets Area	270MT	270 MT	NA	GAIL GANDHAR , HAZIRA	By Truck Tanker
Liquid Petroleum Gas	2 MSV	Bullets Area	1000 MT	1000 MT	NA	GAIL GANDHAR , HAZIRA	By Truck Tanker

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:	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:	Not Applicable
	Width of all Internal roads (m):	Not Applicable
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	8 Km
	Category as per schedule of EIA Notification sheet	6 (b)
	Court cases pending if any	No
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	02-02-2017

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 6(b)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

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 informed that the plan are approved by MIDC.

The brief information is as below;

1. The existing storage capacity is 570 Mt (2 x 150 MT) (2 x 135 MT)

2. Proposed Storage Capacity will be 2 x 500 = 1000 MT.

3. Total Storage Capacity will be 1570 MT.

DECISION OF SEAC

Draft Terms of Reference (TOR) have been discussed and finalized during 138th meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

During the discussion committee observed that the information uploaded by PP in the above format is not adequate hence PP requested to submit fresh information.

Specific Conditions by SEAC:

1) PP to submit details of distances from the areas mentioned in the general conditions attached to the Schedule to the EIA Notification, 2006 and its applicability to the proposed activity.
2) PP to carry out and submit life cycle analysis report and sustainability index for each item to be used on site.
3) PP to include Quantitative Risk Assessment and mitigation measures in the On Site and Off Site Emergency Preparedness Plan duly accepted by competent authority.

FINAL RECOMMENDATION

Kindly find SEAC decision above.

SEAC-1 Meeting

SEAC Meeting number: 138 th SEAC-1 Meeting **Meeting Date** June 1, 2017

Subject: Environment Clearance for Storage Capacity expansion of Nashik LPG Plant

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	Storage Capacity expansion (2 X 500 MT MSV) of Nashik LPG Plant, Malegaon MIDC Industrial area Sinnar, Nashik.
2.Type of institution	Government
3.Name of Project Proponent	Hindustan Petroleum Corporation Limited, Nashik
4.Name of Consultant	Anacon Laboratories Pvt. Ltd., Nagpur
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in Existing Project. Existing Capacity: 1390 MT, Proposed Capacity :1000 MT
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable as Existing plant does not fall under the purview of EIA Notification 2006
8.Location of the project	G-6 Malegaon MIDC ,Sinnar, Nashik, Maharashtra
9.Taluka	Sinnar
10.Village	Malegaon
11.Area of the project	Malegaon MIDC
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 33.3
13.Note on the initiated work (If applicable)	Construction work not start yet
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	33.3
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.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.): Not applicable
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	1433300000

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

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

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)	3 LPG storage vessels of total capacity 390 MT will be removed from existing storage after commissioning of new 2 X 500 MT Mounded Storage Vessels

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	liquid Petroleum Gas	1390 MT	1000 MT	2000 MT

32.Total Water Requirement

Dry season:	**Source of water**	Malegaon 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) :	Not applicable
	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**	Malegaon 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) :	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)

Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	12	0	12	1.8	0	1.8	10.2	0	10.2
Industrial Process	5	0	5	5	0	0	0	0	0
Gardening	33	0	33	33	0	33	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Details study will be Provided in EIA Report
	Size and no of RWH tank(s) and Quantity:	Details study will be Provided in EIA Report
	Location of the RWH tank(s):	Details study will be Provided in EIA Report
	Quantity of recharge pits:	Details study will be Provided in EIA Report
	Size of recharge pits :	Details study will be Provided in EIA Report
	Budgetary allocation (Capital cost) :	Details study will be Provided in EIA Report
	Budgetary allocation (O & M cost) :	Details study will be Provided in EIA Report
	Details of UGT tanks if any :	Details study will be Provided in EIA Report
35.Storm water drainage	**Natural water drainage pattern:**	Details study will be Provided in EIA Report
	Quantity of storm water:	Details study will be Provided in EIA Report
	Size of SWD:	Details study will be Provided in EIA Report
Sewage and Waste water	**Sewage generation in KLD:**	Detail Study will be provided in EIA Report
	STP technology:	Detail Study will be provided in EIA Report
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste, Domestic Waste, Gardening waste and used oil.
	Disposal of the construction waste debris:	The construction waste will be use for leveling, domestic and gardening waste will be used for composting. used oil generated from construction machinery will be collected , stored separately and sold to authorized recyclers.
Waste generation in the operation Phase:	**Dry waste:**	Office waste and Garden waste
	Wet waste:	domestic waste
	Hazardous waste:	Paint residue and used/spent oil
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable

Mode of Disposal of waste:	**Dry waste:**	Composting
	Wet waste:	Composting
	Hazardous waste:	Disposed off Through Authorized used oil re-processor.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Treated domestic shall be soaked in sock pit
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Not Applicable
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable
	O & M cost:	Not Applicable

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	NA	7.67	5.5-9.0
2	Suspended Solids	mg/l	NA	28	100
3	Total Dissolved Solids	mg/l	NA	804	2100
4	COD	mg/l	NA	250	250
5	BOD	mg/l	NA	105.55	100
6	Chloride	mg/l	NA	131.13	600
7	Sulphate	mg/l	NA	116.32	1000
8	oil/Grease	mg/l	NA	NIl	10

Amount of effluent generation (CMD):	Detail Study will be provided in EIA Report
Capacity of the ETP:	Detail Study will be provided in EIA Report
Amount of treated effluent recycled :	Detail Study will be provided in EIA Report
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	Paint Residue	21.1	kg/m	NA	NA	NA	CHWTSDF
2	used/ spent oil	5.1	lit/day	NA	Na	NA	Sate to Authorized Reprocesor

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 380 KVA	HSD	1	4.5	0.20	129
2	DG set 125KVA	HSD	1	4.5	0.20	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	NA	NA

41.Source of Fuel	Local Purchased
42.Mode of Transportation of fuel to site	Barrels or Tankers

43.Green Belt Development	**Total RG area :**	Details Provided in EIA Report
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	Details will be Provided in EIA Report
	List of proposed native trees :	Details will be Provided in EIA Report
	Timeline for completion of plantation :	Details will be Provided in EIA Report

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electrical Distribution Co. Ltd.
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	Not Applicable
	During Operation phase (Demand load):	500 KVA
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	380 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not 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
DG Set	Acoustic Enclosure	Ear Protecting Devices earplugs/ ear muffs to the workers/ employees.
Domestic Effluent	Domestic Effluent treated through septic tank/ sock pit system	Septic Tank/ sock pit
Industrial Effluent	ETP	ETP

Solid Waste	Composting and Disposal to Authorized Vendors	TSDF site HW storage with RCC flooring

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):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Details will be Provide in EIA Report	Details will be Provide in EIA Report	Details will be Provide in EIA Report

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Details will be Provide in EIA Report	Details will be Provide in EIA Report	Details will be Provide in EIA Report	Details will be Provide in EIA Report

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
Liquid Petroleum Gas	1 Bullet	Bullets Area	90	90	NA	Hazira, Koyali, Uran , Gandhar, Mahul	By Truck Tankers
Liquid Petroleum Gas	2 Bullets	Bullets Area	300	300	NA	Hazira, Koyali, Uran , Gandhar, Mahul	By Truck Tanke
Liquid Petroleum Gas	2 MSV	MSV Area	1000 MT	1000 MT	NA	Hazira, Koyali, Uran , Gandhar, Mahul	By Truck Tanker
Liquid Petroleum Gas	2 NEW MSV	MSV Area	1000 MT	1000 MT	NA	Hazira, Koyali, Uran , Gandhar, Mahul	By Truck Tankers

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:	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:	Not Applicable
	Width of all Internal roads (m):	Not Applicable
	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	6 (b)
	Court cases pending if any	No
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	02-02-2017

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 6(b)B1 as per EIA Notification, 2006. PP presented draftTOR based on standard TOR isused by MoEF & CC published in April, 2015.

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

PP informed that the plan are approverd by MIDC.

The brief information is as below;

1. The existing storage capacity is 1390 MT

2. Proposed Storage Capacity will be 1000 MT.

3. Total Storage Capacity = 2000 MT

PP proposes to reduce storage of 390 MT. from existing storage capacity.

DECISION OF SEAC

Draft Terms of Reference (TOR) have been discussed and finalized during 138th meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

During the discussion committee observed that the information uploaded by PP in the above format is not adequate hence PP requested to submit fresh information.

Specific Conditions by SEAC:

1) PP to carry out and submit life cycle analysis report and sustainability index for each item to be used on site.
2) PP to include Quantitative Risk Assessment and mitigation measures in the On Site and Off Site Emergency Preparedness Plan duly accepted by competent authority.

FINAL RECOMMENDATION

Kindly find SEAC decision above.

SEAC-1 Meeting

SEAC Meeting number: 138 th SEAC-1 Meeting **Meeting Date** June 1, 2017

Subject: Environment Clearance for Storage Capacity expansion (6 x 1000 MT MSV) of LPG Bottling Plant, Chakan, Pune

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	Storage Capacity expansion (6 x 1000 MT Mounded Storage Vessel) of LPG Bottling Plant, Chakan, Pune
2.Type of institution	Government
3.Name of Project Proponent	Hindustan Petroleum Corporation Limited, Chakan, Pune.
4.Name of Consultant	Anacon Laboratories Private Limited, Nagpur.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project , Existing Capacity:4200 MT, Proposed Capacity: 6000 MT
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable as existing plant does not fall in the purview of EIA Notification
8.Location of the project	412A/B
9.Taluka	Khed
10.Village	Mhalunge Ingle
11.Area of the project	Chakan MIDC
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 33
13.Note on the initiated work (If applicable)	Construction Work not Started yet
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	33
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.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.): Not applicable
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	960000000

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

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

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)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Liquid Petroleum Gas	4200	6000	6000

32.Total Water Requirement

Dry season:	**Source of water**	The water requirement is met through one well and from 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) :	Not applicable
	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**	The water requirement is met through one well and from 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) :	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)

Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	05	0	05	1	0	1	4	0	4
Industrial Process	10	0	10	5	0	5	5	0	5
Gardening	20	0	20	20	0	20	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Details study will be Provide in EIA Report
	Size and no of RWH tank(s) and Quantity:	Details study will be Provide in EIA Report
	Location of the RWH tank(s):	Details study will be Provide in EIA Report
	Quantity of recharge pits:	Details study will be Provide in EIA Report
	Size of recharge pits :	Details study will be Provide in EIA Report
	Budgetary allocation (Capital cost) :	Details study will be Provide in EIA Report
	Budgetary allocation (O & M cost) :	Details study will be Provide in EIA Report
	Details of UGT tanks if any :	Not Applicable
35.Storm water drainage	**Natural water drainage pattern:**	Details study will be Provide in EIA Report
	Quantity of storm water:	Details study will be Provide in EIA Report
	Size of SWD:	Details study will be Provide in EIA Report
Sewage and Waste water	**Sewage generation in KLD:**	Details study will be Provide in EIA Report
	STP technology:	Details study will be Provide in EIA Report
	Capacity of STP (CMD):	Details study will be Provide in EIA Report
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste, Domestic Waste, Gardening waste and used oil.
	Disposal of the construction waste debris:	The construction waste will be use for leveling, domestic and gardening waste will be used for composting. used oil generated from construction machinery will be collected , stored separately and sold to authorized recyclers.
Waste generation in the operation Phase:	**Dry waste:**	Office waste and Garden waste
	Wet waste:	Domestic Waste
	Hazardous waste:	Paint residue and used /spent oil
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Composting
	Wet waste:	Composting
	Hazardous waste:	Disposed off through authorized used oil re-processor
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	treated domestic shall be soaked in soak pit.
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Paint Shop
	Area for the storage of waste & other material:	Near to Paint Shop
	Area for machinery:	Demarcated Area Within Plant
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable
	O & M cost:	Not Applicable

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	6.98	7.06	5.5-9
2	Suspended Solids	mg/l	54	40	<100
3	Total Dissolved Solids	mg/l	588	548	<2100
4	COD	mgl	171	118	<250
5	BOD	mg/l	62	44	<100
6	Oil and Grease	mg/l	BDL	BDL	<10
7	Chlorides	mg/l	110.89	91.6	<600
8	Sulphate	mg/l	23.91	5.67	<1000

Amount of effluent generation (CMD):	Details study will be Provide in EIA Report
Capacity of the ETP:	Details study will be Provide in EIA Report
Amount of treated effluent recycled :	Details study will be Provide in EIA Report
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	Paint Residue	21.1	Kg/day	4	0	4	CHWTSDF
2	Used/Spent oil	5.1	lit/year	100	0	100	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	DG-1 (125 KVA)	HSD	1	3.5 from roof level	0.15	52
2	DG-2 (500 KVA)	HSD	1	5 from roof level	0.20	83

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	115 lit/Hr	0	115 Lit/Hr
41.Source of Fuel		Locally Purchased		

42.Mode of Transportation of fuel to site	Barrels and Tankers

43.Green Belt Development	**Total RG area :**	Details Provide in EIA Report
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	Details Provide in EIA Report
	List of proposed native trees :	Details Provide in EIA Report
	Timeline for completion of plantation :	Details Provide in EIA Report

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electrical Distribution Co. ltd.
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	477 KW
	During Operation phase (Demand load):	400 KVA
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	500 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not 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
DG Set	Acoustic Enclosure	Ear Protecting Devices Earplugs/ Ear Muffs to the workers/employess
Domestic Effluents	Domestic Effluent treated through septic tank/sock pit system	septic tank/ sock pit

Industrial Effluent	ETP	ETP
Solid Waste	Composting and Disposal to authorized Vendor	TSDF Site. HW storage with RCC Flooring

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):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Details study will be Provide in EIA Report	Details study will be Provide in EIA Report	Details study will be Provide in EIA Report

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Details study will be Provide in EIA Report	Details study will be Provide in EIA Report	Details study will be Provide in EIA Report	Details study will be Provide in EIA Report

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
Liquid Petroleum Gas	3 Horton Sphere	Storage Area	4200 MT	4200 MT	NA	Mahul Refinery Mumbai, Aegis, Gandhar & BPCL Uran	By Truck Tankers

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:	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:	Not Applicable
	Width of all Internal roads (m):	Not Applicable

	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	6 (b)
	Court cases pending if any	No
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	02-02-2017

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 6(b)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

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 informed that the plan are approved by MIDC.

The brief information is as below;

1. The existing storage capacity is 4200 Mt (3 x 1400 MT) - To be phaed out

2. Proposed Storage Capacity will be 6 x 1000 = 6000 MT.

3. Total Storage Capacity = 6000 MT

DECISION OF SEAC

Draft Terms of Reference (TOR) have been discussed and finalized during 138th meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

During the discussion committee observed that the information uploaded by PP in the above format is not adequate hence PP requested to submit fresh information.

Specific Conditions by SEAC:

1) PP to carry out and submit life cycle analysis report and sustainability index for each item to be used on site.
2) PP to include Quantitative Risk Assessment and mitigation measures in the On Site and Off Site Emergency Preparedness Plan duly accepted by competent authority.

FINAL RECOMMENDATION

Kindly find SEAC decision above.

SEAC-1 Meeting

SEAC Meeting number: 138 th SEAC-1 Meeting **Meeting Date** June 1, 2017

Subject: Environment Clearance for Pacific Organics Pvt Ltd., Plot No.- N-4, Additional Ambernath MIDC, Anandnagar Ambernath East, Dist. Thane

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	Expansion project for manufacturing of products in the category of pharmaceuticals Intermediates and Speciality chemicals.
2.Type of institution	Private
3.Name of Project Proponent	Rahul Kansingh Rajpurohit (Director)
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Industrial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No - N - 4
9.Taluka	Ambernath
10.Village	Ambernath
11.Area of the project	Ambernath municipal council, Ambernath-421506.
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 2670
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	7025 sq.m
16.Deductions	Not applicable
17.Net Plot area	7025 sq.m
18.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.): Not applicable
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	90700000

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

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)	NA

28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA
29.Existing structure (s) if any	Manufacturing Shed and office building
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	Tetra butyl ammonium bromide	130	0	130
2	N,N Di isopropylethylamine	30	0	30
3	N butyl bromide	50	0	50
4	N propyl bromide	20	0	20
5	Iso propyl bromide	10	0	10
6	Tetra butyl ammonium hydrogen sulfate	25	0	25
7	Lithium hydroxide	5	25	30
8	Lithium bromide	20	0	20
9	Lithium chloride	5	5	10
10	Lithium carbonate	5	5	10
11	Packing and Repacking of Tetra Butyl Ammonium Bromide,Tetra Butyl ammonium Hydrogen Sulphate & Cyanoacetamide	50	0	50
12	Tri ethyl benzyl ammonium chloride	30	0	30
13	Cyanoacetamide	0	50	50
14	Cobalt Nitrate	0	2	2
15	Cobalt Acetate	0	2	2
16	Cobalt Carbonate	0	3	3
17	Cobalt Chloride	0	2	2
18	Cobalt Sulfate	0	1	1
19	Bismuth Nitrate	0	2	2
20	Bismuth Oxide	0	2	2
21	Bismuth hydroxide	0	2	2
22	Bismuth carbonate	0	3	3
23	Bismuth oxychloride	0	2	2
24	Nickel Nitrate	0	1	1
25	Nickel Carbonate	0	2	2
26	Nickel Acetate	0	1	1
27	Nickel Sulfate	0	1	1
28	Cadmium Nitrate	0	1	1
29	Cadmium Acetate	0	1	1
30	Cadmium Carbonate	0	2	2
31	Cadmium Chloride	0	1	1

32	Cadmium Sulfate	0	1	1
33	Ammonium molybdate	0	1	1
34	Molybdic acid	0	1	1
35	Sodium Molybdate	0	1	1

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	51
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	51
	Fire fighting - Underground water tank(CMD):	1 lac/liters
	Fire fighting - Overhead water tank(CMD):	Nil
	Excess treated water	Not applicable
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	51
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	51
	Fire fighting - Underground water tank(CMD):	1 lac/liters
	Fire fighting - Overhead water tank(CMD):	Nil
	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**
Domestic	2	4	6	0.2	0.8	1	1.8	3.2	5
Industrial Process	20	5	25	16	+1	17	4	6	10
Cooling tower & thermopack	10	10	20	15	0	15	2.5	2.5	5
Gardening	1	4	5	0	5	5	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	UGT tank having Capacity - 1 Lac/ Lit is available which will be use for Fire fighting.
35.Storm water drainage	**Natural water drainage pattern:**	Provided by MIDC
	Quantity of storm water:	NA
	Size of SWD:	NA
Sewage and Waste water	**Sewage generation in KLD:**	5
	STP technology:	Primary, Secondary and Tertiary treatment and treated water will be used for gardening.
	Capacity of STP (CMD):	1 No. and capacity: 10 CMD
	Location & area of the STP:	Near ETP
	Budgetary allocation (Capital cost):	8 lacs
	Budgetary allocation (O & M cost):	20 thousand/M
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Nil
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	1. Chemical Sludge from waste water treatment = 3.6 T/A; 2. Activated Carbon = 3.9 T/A
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	CHWTSDF, MWML, Taloja
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Area requirement:	**Location(s):**	Manufacturing Area, Admin Area , ETP , STP area etc.
	Area for the storage of waste & other material:	800 sq.m
	Area for machinery:	405 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Included in to total cost
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	4 - 9	6.0 – 8.5	5.5 -9.0
2	BOD3 270C	mg/L	400-650	85 - 95	<100
3	COD	mg/L	3000-3500	170 - 200	<250
4	TSS	mg/L	350-450	75 - 90	<100
5	TDS	mg/L	10000-12000	1500-2000	< 2100
6	Oil & Grease	mg/L	10–20	10	<10

Amount of effluent generation (CMD):	15
Capacity of the ETP:	20 CMD
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	15 CMD
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Primary , Secondary , Tertiary and treated effluent sent to CETP
Disposal of the ETP sludge	CHWTSDF,

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical Sludge from waste water treatment	34.3	T/A	3.6	0	3.6	CHWTSDF
2	Activated Carbon	28.2	T/A	3.9	0	3.9	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	Existing Boiler 2 No 0.50 TPH each	Briquettes - 2.34 TPD,or Wood - 1.59 TPD, or coal- 1.66 TPD	Common Stack	30	0.3	-
2	Existing Thermopack 1 no 2.0 lac Kcal/hr	Briquette - 1500 kg/Day, or Wood- 1000 kg/Day	Common Stack	30	0.3	-
3	Existing D G 1 no X 200 KVA	HSD or LDO - 500 lit/M	stack above roof top of the building	4.5	0.15	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Briquettes or Wood or coal	2.34 TPD , 1.59 TPD , 1.66 TPD respt.	0	2.34 TPD , 1.59 TPD , 1.66 TPD respt.
2	Briquette or Wood	1500 Kg/Day, 1000 Kg/Day Respt.	0	1500 Kg/Day, 1000 Kg/Day Respt.
3	HSD or LDO	500 Lit/M	0	500 Lit/M

41.Source of Fuel	Local Market
42.Mode of Transportation of fuel to site	Tanker / Truck

43.Green Belt Development	**Total RG area :**	1100 Sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	60 Nos.
	List of proposed native trees :	Pimpal, False Ashok , Neem, Palm
	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	Ficus religiosa	Pimpal	5	Dust Resistant and Local Variety
2	Polyalthia longifolia	False Ashok	35	sound Barrier and Local Variety
3	Azardirachta indica	Neem	10	Dust Resistant and Medicinal Value
4	Anthosephalus cadamba	Kadamb	3	Dust barrier and Local variety
5	Terminalia arjuna	Arjun	5	Dust barrier and Local variety
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	Thevetia pearuviana (Kanher)	1.5 m	15
2	Bougainvillea galvara	2 m	20

47.Energy

Power requirement:	**Source of power supply :**	MSDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	80 KW
	During Operation phase (Demand load):	373 KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	200 KVA
	Fuel used:	HSD or LDO
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Nil

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Boiler	Combine Stack	cyclone
Thermopack	Combine Stack	cyclone
DG	Stack	Stack

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	9.07 Crs.
	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	NA	-	-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Cyclone	For dust collection	6.0	0.5
2	Stack	for dispertion	6.5	1.2

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
Tri n butyl amine	Liquid	Dyke	40	40	82	Imports	Tanker
N butyl bromide	Liquid	Dyke	20	20	65	Local	Truck
Acetonitile	Liquid	Dyke	10	10	6.5	Local	Truck
Ethyl acetate	Liquid	Dyke	25	25	50	Local	Tanker
Di ethyl sulphate	Liquid	Dyke	20	20	40	Local	Tanker
Di iso propyl amine	Liquid	Dyke	25	25	25	Imports	Tanker
Caustic soda lye	Liquid	Dyke	15	15	15	Local	Tanker
Liquid bromine	Liquid	Dyke	20	20	75	Local	Truck
N butanol	Liquid	Dyke	20	20	40	Local	Tanker
Sulfer	Solid	open yard	5	5	4.5	Local	Truck
N propanol	Liquid	Dyke	10	10	10	Local	Tanker
Iso propanol	Liquid	Dyke	10	10	10	Local	Tanker
Sulfuric acid	Liquid	Dyke	15	15	8	Local	Tanker
Methyl cyano acetate	Liquid	Dyke	20	20	60	Imports	Truck
Methanol	Liquid	Dyke	5	5	5	Local	Tanker
Ammonia gas	Gas	Cylinder	2	2	10	Local	Truck
Tri ethyl amine	Liquid	Dyke	15	15	15	Local/Imports	Tanker
Benzyl chloride	Liquid	Dyke	15	15	18	Local	Truck
Ethylene di chloride	Liquid	Dyke	10	10	6	Local	Tanker
Lithium carbonate	Solid	Covered storage	15	15	30	Local/ Imports	Truck
Hydrobromic acid	Liquid	Dyke	20	20	40	Local/ Imports	Truck
Hydrochloric acid	Liquid	Dyke	10	10	30	Local	Tanker
Sodium carbonate	Solid	Store Room	10	10	10	Local	Truck
Lithium sulfate solution	Liquid	Dyke	20	20	20	Local	Tanker
Activated carbon	Solid	Store Room	2	2	0.5	Local	Truck
Cobalt metal	Solid	Store Room	2	2	1	Local	Truck
Bismuth metal	Solid	Store Room	5	5	2	Local	Truck

Nickel metal	Solid	Store Room	2	2	1	Local	Truck
Cadmium metal	Solid	Store Room	2	2	1	Local	Truck
Molybdenum tri oxide	Solid	Store Room	2	2	1	Local	Truck
Nitric acid	Liquid	Dyke	10	10	5	Local	Tanker
Liquid ammonia	Liquid	Dyke	10	10	5	Local	Tanker
Ammonium bi carbonate	Solid	Store Room	5	5	2	Local	Truck
Sodium bi carbonate	Solid	Store Room	5	5	2	Local	Truck
Sodium hydroxide	Solid	Store Room	5	5	1	Local	Truck

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	850 sq.m
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Ordinance factory - 6 KM
	Category as per schedule of EIA Notification sheet	5f B
	Court cases pending if any	NA
	Other Relevant Informations	Nil
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	18-01-2017

Brief information of the project by SEAC

PP submitted the application for the grant of TOR under category 5(f)B1.

DECISION OF SEAC

During discussion PP informed that, they have obtained consent to establish in the year 2004; PP also informed that they obtained Consent to Operate in the year 2008 and started their manufacturing operations . SEAC observed that PP have not obtained Prior Environment Clerance before starting the operations as per EIA Notification, 2006.

In view of above after detailed deliberation with PP and its accrediated consultant SEAC is of the opinion that, there seems to be a violation of the requirements of EIA Notification , 2006; Hence SEAC decided to refer the propsosal to SEIAA for further necessary action/decision.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-I decided to refer the proposal to SEIAA/Environment Department for verification of above mentioned violation.

SEAC-1 Meeting

SEAC Meeting number: 138 th SEAC-1 Meeting **Meeting Date** June 1, 2017

Subject: Environment Clearance for Aarti Industries Limited . Plot No. D-53, 54, 55, 56, 57, 59, 60 M.I.D.C. phase II Dombivali, Dist.- Thane

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	Proposed expansion project of manufacturing of API intermediates and Specialty Chemicals
2.Type of institution	Private
3.Name of Project Proponent	Mr. Narendra Salvi
4.Name of Consultant	Goldfinch Engineering Systems Private Limited, Thane
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. D-53, 54, 55, 56, 57, 59, 60
9.Taluka	Kalyan
10.Village	Sagarli
11.Area of the project	Municipal corporation
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 4573
13.Note on the initiated work (If applicable)	Nil
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	5760 m2
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.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.): Not applicable
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	342300000

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

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)	NA

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)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Venalfaxine Hydrochloride	0.03	(-) 0.03	00
2	Bambuterol Hydrochloride	0.025	0.392	0.417
3	Fluticasone propionate	0.01	(-)0.002	0.008
4	Budesonode (TTR)	0.02	(-) 0.02	00
5	Triamcinolone Acetamide	0.004	(-) 0.004	00
6	R-Salbutamol Sulphate	0.013	0.82	0.833
7	Ipratopium Bromide	0.008	(-) 0.008	00
8	Deferiprone	0.025	0.392	0.417
9	Ranolazine	0.2	(-) 0.2	00
10	Budesonode (TTR) / PAN - IV / FLY -X / BA - III / TV-INT	0.148	0.069	0.217
11	Peridopril Erbumine	00	0.167	0.167
12	TTR IV	00	0.083	0.083
13	Fluticasone Furoate	00	0.0042	0.0042
14	FLY VIII	00	0.433	0.433
15	Phenylpherine Hydrochloride	0.4	0.85	1.25
16	PR Products	00	2	2
17	16 alpha I / 16 alpha II / 16 alpha III	00	0.125	0.125

32.Total Water Requirement

Dry 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

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)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	8.5	17.5	26	1.7	4.3	6	6.8	13.2	20
Industrial Process	27	18	45	17	10.8	27.8	10	7.2	17.2
Cooling tower & thermopack	10	50	60	7	35.2	42.2	3	14.8	17.8

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	1. Methanol (25 KL) 2. IPA (25 KL) 3. Toluene (25 KL) 4. Acetone (25 KL) 5. Ethyl Acetate (25 Kl)

35.Storm water drainage	Natural water drainage pattern:	Provided by MIDC
	Quantity of storm water:	NA
	Size of SWD:	NA

Sewage and Waste water	**Sewage generation in KLD:**	20
	STP technology:	Conventional technology will be used
	Capacity of STP (CMD):	1 No. 25 CMD
	Location & area of the STP:	Near ETP
	Budgetary allocation (Capital cost):	Rs 2500000
	Budgetary allocation (O & M cost):	100000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Nil
	Disposal of the construction waste debris:	Nil
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	kindly refer point no. 45
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	250 kg
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	CHWTSDF, MWML, Taloja
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be use as manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	Production Area, Raw Material & Products Storage Area, Office Building, STP & ETP , Parking
	Area for the storage of waste & other material:	Dedicated area is allocated near ETP
	Area for machinery:	3707.31 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 342300000
	O & M cost:	Rs 3400000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	7-8	ZLD	5.5-9.0
2	BOD	mg/lit	2500-3500	ZLD	<100
3	COD	mg/lit	5000-6000	ZLD	<250
4	TDS	mg/lit	2000-300	ZLD	<2100
5	Oil & Grease	mg/lit	<20	ZLD	<10

Amount of effluent generation (CMD):	35 CMD
Capacity of the ETP:	35 CMD
Amount of treated effluent recycled :	35 CMD
Amount of water send to the CETP:	ZLD
Membership of CETP (if require):	Yes

Note on ETP technology to be used	Primary, Secondary, Tertiary , MEE & ZLD
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Mother Liquor	28.4	MTPA	120	120	240	Sale to authorized party
2	ETP Sludge	34.3	MTPA	0.33	00	0.33	CHWTSDF, MWML, Taloja
3	Spent Carbon	28.2	MTPA	6	1	7	CHWTSDF, MWML, Taloja
4	Expired, Discarded Drums	28.3	MTPA	0.02	0	0.02	Collection, decontaminations, storage, reuse/sale to authorized recycler
5	Spent Organic Solvents	28.5	MTPA	0.02	0	0.02	CHWTSDF, MWML, Taloja
6	Used/spent oil	5.1	MTPA	0	5.6	5.6	Sale to authorized party
7	Process waste residue	28.1	MTPA	0	3	3	CHWTSDF, MWML, Taloja
8	Contaminated filter bags	36.1	MTPA	0.4	1.2	1.6	CHWTSDF, MWML, Taloja
9	MEE salts	37.3	MTPA	7.5	0	7.5	CHWTSDF, MWML, Taloja

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 (one stand by & one operating)	FO = 2.4 T/Day	01 combined stack	30	0.4	150 deg. C
2	Thermo pack (one stand by & one operating)	LDO = 0.4 T/Day	01 combined stack	22	0.25	150 deg. C
3	DG Sets (no 04)	HSD = 37 Lit/Day	04 separate stack	4.2-5	0.15	125 deg. C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	L.D.O	144 kg/hr	264 kg/hr	408 kg/hr
2	FO	50 lit/hr	50 lit/hr	100 lit/hr
3	HSD	37 lit/day	00	37 lit/day
41.Source of Fuel		Oil companies		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	612 sq. m.
	No of trees to be cut :	No tree will be cut
	Number of trees to be planted :	250
	List of proposed native trees :	Tectona grandis, terminalia arjuna, Ficus bengalensis, Ficus religiosa, Azardirachta indica, Sizigium cumini, Cassia fistula, Bougainvillea spectabillis, Lantana camara, etc.
	Timeline for completion of plantation :	Within Five year

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	Terminalia arjuna	Arjun	25	pollution resistant and Native
2	Tectona grandis	Teak, saag	25	pollution resistant and Native
3	ficus bengalensis	Vaad	10	pollution resistant and Native
4	Ficus religiosa	Pimpal	10	pollution resistant and Native
5	Azardirachta indica	Neem	25	pollution resistant and Native
6	Syzigium cumini	Jamun	30	pollution resistant and Native
7	cassia fistula	Bahava	25	pollution resistant and Native
8	Bougainvillea spectabillis	Bouganvel	25	pollution resistant and Native
9	Lantana camara	Ghaneri	75	pollution resistant and Native
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	Existing : 990 KW ;Proposed : 1510 KW
	During Operation phase (Demand load):	Existing : 512 KW; Proposed : 848 KW
	Transformer:	Existing : 912 KVA ;Proposed : 1630 KVA
	DG set as Power back-up during operation phase:	Existing 04 DG with capacity 250 KVA (2 No.) ; 380 KVA (1no) ; 200 KVA (1 no)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No high tension line passing through through the plot

48.Energy saving by non-conventional method:

Nil

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Stack of adequate height	Stack of adequate height
Water	ETP ,RO and MEE	ETP ,RO and MEE
Noise	Acoustic enclosure	Acoustic enclosure
Solid Waste	Disposal to MWML	Disposal to MWML

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	20 lak
	O & M cost:	40 lak

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	2 no. stacks	10	0.5
2	Water Pollution	ETP	340	16
3	Domestic Effluent	STP	20	1
4	Noise	Acoustic enclosures	5	nil
5	Process emmisions	5 no. Scrubbers	30	5

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	Liquid	Under Ground	25 KL	25 KL	20	Local	Road
IPA	Liquid	Under Ground	25 KL	25 KL	10	Local	Road
Toluene	Liquid	Under Ground	25 KL	25 KL	5	Local	Road
Acetone	Liquid	Under Ground	25 KL	25 KL	20	Local	Road
Ethyl Acetate	Liquid	Under Ground	25 KL	25 KL	5	Local	Road
Ammonia	Liquid	Tank farm	5 KL	5 KL	1	Local	Road
MDC	Liquid	Tank Farm	5 KL	5 KL	2	Local	Road
Acetic Anhydride	Liquid	Tank Farm	5 KL	5 KL	1	Local	Road

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	Nil
	Total Parking area:	276.72
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	3 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	no protected area in 10 km circle
	Category as per schedule of EIA Notification sheet	5 (f) B (1)
	Court cases pending if any	Nil
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	07-02-2017

Brief information of the project by SEAC

PP submitted application for the grant of TOR for their manufacturing unit located at plot No. D-53, D-54, D-55, D-56, D-57, D-59, D-60 in Phase - II , Dombivali Industrial Area.

PP informed that all these plots were in different name that is Aarti Health care, Aarti Petrochem, Alchemi Dyechem, Medix lab, Auromic Chemicals, Argentina Pvt. Ltd. etc. All these plots are now transferred to M/s Aarti Industry in the year 2002.

PP also informed that all these plots are having individual entity and not amalgamated yet by the Maharsahtra Industrial Development Corporation (MIDC).

PP also informed that there are no chages in the production quantity, product mix, pollution load or any other environmental parameter since the year 2002.

DECISION OF SEAC

SEAC deliberated the isuue with PP and his accrediated consultant regarding the status of the plots and its amalgamation. Upon discussion SEAC observed that the plots are not amalgamated and have seperate identity and it will be very diffcult to issue one Environemnt Clearance for such seperate plots.

In view of above PP requested SEAC to reject this application and will submit seperate application as per amalgamation of the plots.

Hence on PP's request SEAC decided to rejct the proposal for above reasons.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-I have decided to recommend the proposal for rejection subject to above reasons.

SEAC-1 Meeting

SEAC Meeting number: 138 th SEAC-1 Meeting **Meeting Date** June 1, 2017

Subject: Environment Clearance for DHARAMSI MORARJI CHEMICAL CO.LTD. Plot No.: 105, Dhatav MIDC, Roha, Raigad.-402116, Maharashtra.

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	Expansion of existing Synthetic organic chemicals and Specialty Chemicals manufacturing facility
2.Type of institution	Private
3.Name of Project Proponent	Mr. Shirish Pandit
4.Name of Consultant	Goldfinch Engineering Systems Private Limited, Thane.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NO
8.Location of the project	Plot No. 105, MIDC Dhatav
9.Taluka	Roha
10.Village	Dhatav
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 44000
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	88355 Sq.m.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.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.): Not applicable
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	940700000

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

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)	10 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
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	Sulfamic Acid	500	0	500
2	Diethyl Sulfate	200	100	300
3	Benzenesulfonyl Chloride	570	30	600
4	Sulfuric Acid	8333	0	8333
5	Oleum	4167	0	4167
6	Sulfur Trioxide	2750	0	2750
7	Sodium Vinyl Sulfonate/Other Sulfonates	150	50	200
8	Phenol Sulfonic acid	50	0	50
9	Chlorosulfonic acid	2000	0	2000
10	Diethyl Ether	50	150	200
11	Benzenesulfonic Acid/Other sulfonic Acids	20	0	20
12	N-Phenyl Benzene sulfonamide	50	50	100
13	Methanesulfonic Anhydride	5	0	5
14	Para Chloro Benzenesulfonyl Chloride	25	0	25
15	4,4â?? Dihydroxy Diphenyl Sulfone	0	30	30
16	3,3â?? Dinitro Diphenyl Sulfone	0	30	30
17	3,3â?? Diamino Diphenyl Sulfone	0	20	20
18	Diphenyl sulfone	0	100	100
19	Para Chloro Thiophenol	0	10	10
20	Bis(4-Chlorophenyl) Disulfide	0	10	10
21	Thiophenol	0	20	20
22	4-Methyl Mercapto Acetophenone	0	10	10
23	Silicon Sulfate	0	10	10
24	Para Nitro Benzenesulfonyl Chloride	0	10	10
25	Lasamide	0	10	10
26	Diethyl Phthalate	0	100	100
27	Dimethyl Phthalate	0	100	100

28	Potassium salt of Sulfonated Sulfone	0	10	10
29	N-Butyl Benzenesulfonamide	0	10	10
30	Methyl Ester of Benzenesulfonic Acid	0	5	5
31	Ethyl ester of Benzenesulfonic Acid	0	5	5
32	Para Chloro Benzenesulfonic Acid	0	10	10
33	Para Toluenesulfonic Acid	0	10	10
34	3,5 Dichlorobenzoyl Chloride	0	10	10
35	Dimethyl Aniline	0	80	80
36	Mono Methyl Aniline	0	20	20
37	Diethyl Aniline	0	30	30
38	Mono Methyl Aniline	0	70	70
39	Sodium Isethionate	0	10	10
40	4,4â?? Dichloro Diphenyl Sulfone	0	10	10
41	4-Nitro 4â?? Amino Diphenyl Sulfide	0	5	5
42	1,3 Dichlorobenzene	0	10	10
43	1,3 Benzenedisulfonyl Chloride	0	10	10
44	3,5 Bis (chlorosulfonyl) Benzoyl chloride	0	10	10
45	Menthyl Lactate	0	5	5
46	Fluro Sulfonic Acid	0	300	300

32.Total Water Requirement

Dry 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

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)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	17	3	20	3	1	4	14	2	16
Industrial Process	307	50	357	202	40	242	105	10	115
Cooling tower & thermopack	751	167	916	656	147	803	95	20	115
Gardening	75	0	75	75	0	75	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	Benzene Storage Tank Capacity- 30 KLD

35.Storm water drainage	**Natural water drainage pattern:**	MIDC
	Quantity of storm water:	NA
	Size of SWD:	NA

Sewage and Waste water	**Sewage generation in KLD:**	16
	STP technology:	primary, secondary, tertiary
	Capacity of STP (CMD):	01 and capacity is 20 CMD
	Location & area of the STP:	near ETP
	Budgetary allocation (Capital cost):	18.5 Lac
	Budgetary allocation (O & M cost):	1.09 lac

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Minimal quantity of debris, scraps, excavated soil, used cement bags, iron / steel scrap and cardboards waste could be generated during construction.
	Disposal of the construction waste debris:	will be used for Land filling
Waste generation in the operation Phase:	**Dry waste:**	Waste paper from administrative buildings, waste metals, kitchen waste etc.
	Wet waste:	garden waste
	Hazardous waste:	kindly refer point no. 45
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	9 Kg/D
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Waste paper and metal will be given to recyclers, and kitchen waste will be converted into manure.
	Wet waste:	Used as manure
	Hazardous waste:	CHWTSDF, MWML , Taloja
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	STP sludge will be use as a manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	Raw material and product storage area , ETP , Office Building , Parking , Residential colony Area.
	Area for the storage of waste & other material:	400 Sq.m.
	Area for machinery:	Existing Plant Area -7200 Proposed plant area-1500
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	2000000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	3-4	7-7.5	5.5 -9.5
2	BOD3 270C	mg/L	1000-1500	70-80	<100
3	COD	mg/L	2500-3000	200-250	<250
4	TSS	mg/L	300-350	50-80	<100
5	Oil & Grease	mg/L	10 â?? 20	5-6	<10
6	TDS	mg/L	2500--3500	1500--1900	<2100
7	Sulphate	mg/L	300--500	50â??100	1000
8	chloride	mg/L	100--250	100â??250	600
9	% Na	mg/L	30â??50	30--50	60 %

10	11 TAN	mg/L	100--130	30--45	50

Amount of effluent generation (CMD):	230 CMD
Capacity of the ETP:	300 CMD
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	230 CMD
Membership of CETP (if require):	YES
Note on ETP technology to be used	Primary , Secondary, and Tertiary Treatment
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical Sludge from Waste water treatment	34.3	Kg/D	833	109	942	CHWTSDF,Taloja
2	Residues , Dust or filter cakes	17.1	Kg/D	203	130	333	CHWTSDF,Taloja/sale
3	Spent catalyst	17.2	Ltrs/Y	4000	00	4000	CHWTSDF Taloja

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 5 TPH	63 kg/hr	1	35 m	0.55	180
2	Thermopack 4 Lac K/Cal	47 kg/hr	1	30 m	0.40	180
3	DG KVA 830 KVA, 310 KVA, 125 KVA	210 kg/hr	3	For 830 KVA & 310 KVA (7.70 m each) 125 KVA (4.20 m)	0.20	150

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	FO	63 kg/hr	00	63 kg/hr
2	HSD	47 kg/hr	00	47 kg/hr
3	HSD /LDO	210 kg/hr	00	210 kg/hr

41.Source of Fuel	Local
42.Mode of Transportation of fuel to site	By Road

43.Green Belt Development

Total RG area :	15000 Sq.m
No of trees to be cut :	Nil
Number of trees to be planted :	Nil
List of proposed native trees :	NA
Timeline for completion of plantation :	NA

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	NA	NA	NA	NA
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	2373 KW
	During Operation phase (Demand load):	1,620 KVA
	Transformer:	1000 KVA and 750
	DG set as Power back-up during operation phase:	830 KVA (1 no), 310 KVA (1 no), 125 KVA (1 no)
	Fuel used:	HSD/LDO
	Details of high tension line passing through the plot if any:	Nil

48.Energy saving by non-conventional method:

Solar energy is using to generate 335 KWp electricity per day.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	solar panel	335 KWp

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Existing 1 No. Boiler of 5 TPH	Stack at recommended height	NA
Existing 1 No.T hermopac of 4 lac Kcal/hr	Stack at recommended height	NA
Existing 1 No.DG KVA 830 KVA (1 no), 310 KVA (1 no), 125 KVA (1 no)	Stack at recommended height	NA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1500000
	O & M cost:	Nil

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Aiir pollution control	Boiler, Thermopac, Scrubber	41	188
2	water pollution control	ETP, STP	250	75
3	social & cultural activities	Education, Sport	5	5
4	Noise pollution control	Acoustic enclosure	1	1
5	occupational health	Medical check-up, First aid room	16	18
6	Green belt	Development of green belt	10	8
7	Hazardous waste storage and disposal	Transport & disposal	10	15

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
Urea	Solid	HDP Bags	25 Kgs	25 Kgs	500 Kg	Local	Road
Alcohol	Liquid	MS Tank	30 KL	30 KL	30 KL	Local	Road
Benzene	Liquid	MS Tank	30 KL	30 KL	30 KL	Local	Road
Sulfur	Solid	Yard	5000 MT	5000 MT	5000 MT	Local	Road
Phenol	Solid	GI Drums	5 MT	5 MT	5 MT	Local	Road
Benzenesulfonyl Chloride	Liquid	HMHDP Drums/Tank	60 KL	60 KL	60 KL	Local	Road
Aniline	Liquid	MS Tank	15 KL	15 KL	15 KL	Local	Road
Methanesulfonic Acid	Liquid	HMHDP Drums	0.5 MT	0.5 MT	500 Kg	Local	Road
Phosphorous Pentoxide	Solid	HMHDP Drums	0.5 MT	0.5 MT	500 Kg	Local	Road
P â??Cholro Benzene Sulfonyl Chloride	Solid	HMHDP Drums	0.5 MT	0.5 MT	500 Kg	Local	Road
p â?? Toluene Sulfonyl Chloride	Solid	HMHDP Drums	0.5 MT	0.5 MT	500 Kg	Local	Road
Methanol	Liquid	HMHDP Drums	1.5 KL	1.5 KL	1.5 KL	Local	Road
Lime	Solid	HDP Bags	0.5 MT	0.5 MT	1500 kg	Local	Road
Sodium Carbonate	Solid	HDP Bags	0.5 MT	0.5 MT	500 kg	Local	Road
Mono Chloro Benzene	Liquid	MS Tank	15 KL	15 KL	15 KL	Local	Road
Sodium Sulfide	Solid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
P- chloroNitro Benzene	Solid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
Benzoic Acid	Solid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
P â?? chloroThiophenol	Solid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
Hydrogen Peroxide	Liquid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
Phthalic Anhydride	Solid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
P - Toluidine	Solid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
Caustic Lye	Liquid	MS Tank	60 KL	60 KL	60 KL	Local	Road
Potassium Carbonate	Solid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
2,4 Dichloro Benzoic Acid	Solid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
Chloro Sulfonic Acid	Liquid	MS Tank	100 MT	100 MT	100 MT	Local	Road
Thioanisole	Liquid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
AlCl3	Solid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
Acetyl Chloride	Liquid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road

Methyl p-Toluene Sulfonate	Solid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
N â?? Butyl Amine	Liquid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
Phosphoric Acid	Liquid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
Red Phosphorus	Solid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
p â?? Nitro Aniline	Solid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
Sodium Nitrite	Solid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
Hydrogen Chloride	Liquid	PP/FRP Tanks	175 MT	175 MT	175 MT	Local	Road
Toluene	Liquid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
Silicon Oil	Liquid	HMHDP Drums	0.5 MT	0.5 MT	10 MT	Local	Road
Liquid SO3	Liquid	MS Tank	30 MT	30 MT	2450 MT	Local	Road
Potassium Iodide	Solid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
Dinitro Diphenyl Sulfone	Solid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
Iron Powder	Solid	HDP Bags	0.05 MT	0.05 MT	500 kg	Local	Road
Mesitylene	Liquid	HMHDP Drums	0.8 KL	0.8 KL	2.0 KL	Local	Road
Diphenyl Sulfone	Solid	HDP Bags	0.5 MT	0.5 MT	10 MT	Local	Road
Nitric Acid	Liquid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
1,3 Benzene Disulfonyl Chloride	Liquid	HMHDP Drums	0.5 MT	0.5 MT	500 kg	Local	Road
Chlorine	Gas	Cylinder	0.5 MT	0.5 MT	500 kg	Local	Road
Hydrogen Fluoride	Gas	Cylinder	20 MT	20 MT	60 MT	Local	Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	9450 sq.m.
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5 (f) B1

	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-02-2017

Brief information of the project by SEAC

DECISION OF SEAC

During deliberation SEAC noticed that Ministry of Environment and Forest, New Delhi has issued Directions under Section 5 of the Environment (Protection) Act, 1986 dated 13.11.2013 and Office Memorandum dated 20.12.2013 regarding prohibition of activities in the area identified as Ecologically Sensitive Area (ESA) under the High Level Working Group (HLWG) formulated for Western Ghat by Ministry of Environment, Forest and Climate Change, Government of India, New Delh.

The direction states as following:

"The following category of new and/or expansion projects/activities shall be prohibited in the Ecologically Sensitive Area (ESA) from date of issue of these directions (that is from 13.11.2013) except those cases which have been received by EAC/MoEF or SEAC/SEIAA before the date of putting HLWG report on the web site of the Ministry that is 14.04.2013 and which are pending with EAC/MoEF or SEAC/SEIAA. Such projects will be dealt under the guidelines and rules applicable at the time of application before the respective EAC/MoEF, SEAC/SEIAA. Apart from such cases, no pending case or any fresh case shall be considered by the EAC/MoEF or SEAC/SEIAA as from the date of issue of these directions."

1. Mining, quarrying and sand mining.

2. Thermal Power Plants.

3. Building and Constrcution projects of 20000 Sq.m. area and above.

4. Township and area development projects with an area of 50 ha and above an d/or with built up area of 150000 Sq.m and above.

5. Red Category of Industries

The proposal under reference fall at Sr. No. 5 above.

In view of the directions issued by MoEF, SEAC decided to reject the proposal for above reasons and refer to SEIAA for further action/decision.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-I have decided to recommend the proposal for rejection subject to above reasons.

SEAC-1 Meeting

SEAC Meeting number: 138 th SEAC-1 Meeting **Meeting Date** June 1, 2017

Subject: Environment Clearance for PUSHPAM CHEMICALS PVT LTD

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	PUSHPAM CHEMICALS PVT LTD
2.Type of institution	Private
3.Name of Project Proponent	MR. VINOD GOPAL AHUJA
4.Name of Consultant	SGM Consulatnt Pvt Ltd
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Change in Product Mix with Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	C-348, Pawane Industrial Area, Navi Mumbai
9.Taluka	Thane
10.Village	Pawane
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 880
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	2100.00
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.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.): Not applicable
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	23800000

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

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)	MIin12

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)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Alcohols (Amyl Vinyl Carbinol, Dimetol etc)	00	1.5	1.5
2	Girgnard compounds (Phenyl Magnesium Chloride)	00	20	20
3	Nitrogen function compounds (Quinaldine & others)	00	25	25
4	Ketones (veticone)	00	10	10
5	Hydrocarbons (Diphenyl Methane)	00	25	25

32.Total Water Requirement

Dry 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

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)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	02	01	03	0.4	0.2	0.6	1.6	0.8	2.4
Industrial Process	06	05	11	2.5	2.5	5.0	3.5	2.5	6.0
Cooling tower & thermopack	7.0	2.0	9.0	6.0	1.75	7.75	1.0	0.25	1.25
Gardening	2.0	00	2.0	2.0	00	2.0	00	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	6-10 M
	Size and no of RWH tank(s) and Quantity:	10 cum
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	1,00,000
	Budgetary allocation (O & M cost) :	5000
	Details of UGT tanks if any :	50 CUM

35.Storm water drainage	**Natural water drainage pattern:**	MIDC DRAIN
	Quantity of storm water:	.32 cum/sec
	Size of SWD:	300 x 400 mm

Sewage and Waste water	**Sewage generation in KLD:**	2.4
	STP technology:	Septic Tank
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	1,50,000
	Budgetary allocation (O & M cost):	10000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	5.0
	Wet waste:	5.0
	Hazardous waste:	Distillation residues & others
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	PH	NA	5.5-6.5	5.5-9.0	5.5-9.0
2	BOD	mg/lit	3050-3250	<100	<100
3	COD	mg/lit	5220-7210	<250	<250
4	SS	mg/lit	320-480	<100	<100

Amount of effluent generation (CMD):	6.5
Capacity of the ETP:	10
Amount of treated effluent recycled :	Nil
Amount of water send to the CETP:	6.5
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Phsichchemical treatment
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Liners,Barrels / containers	33.3	No.	00	20	20	MPCB aouthrized Vedors
2	Chemical Sludge	35.3	TPM	00	0.05	0.05	0.05
3	Distillation residues	20.3	TPM	00	0.05	0.05	0.05

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler + 1 stand by	FO	1	21	0.35	120

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	FO	00	700 Lit	700 lit
41.Source of Fuel		Local Vendors		
42.Mode of Transportation of fuel to site		by road		

43.Green Belt Development	**Total RG area :**	224.00
	No of trees to be cut :	NA
	Number of trees to be planted :	22
	List of proposed native trees :	NA
	Timeline for completion of plantation :	Planted

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	NA	NA	NA	NA
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	375 KVA
	During Operation phase (Demand load):	225 KVA
	Transformer:	300 KVA
	DG set as Power back-up during operation phase:	125 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Light fixtures will be used with energy saving LED & T5 fluorescent tube with electronic chocks.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Yes	5 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Wastewater	ETP	NA
Emissions	Scrubber	NA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2.5
	O & M cost:	0.25

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Wastewater	ETP	18.0	2.0
2	Air Pollution Control	Scrubber, Stack	5.0	1.0
3	Noise Pollution Control	Acostic Enclosures	3.0	0.25
4	Solid Waste Management	Segregation/storage	1.5	0.25
5	Energy Conservation Measures	-	2.5	0.5
6	Green Belt	Plantation	0.50	0.15

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
Annexure	Annexure	Annexure	Annexure	Annexure	Annexure	Annexure	Annexure

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6.0
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5 (f)
	Court cases pending if any	NA
	Other Relevant Informations	This application is already submitted at MoEF website on dated 17/2/2017 Our File No. is SIA/MH/IND2/18594/2017.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	17-02-2017

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.

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.

During deliberation PP informed that they have not made any changes in the production quantity, product mix, pollution load or in any environemntal paramters since 1996.

DECISION OF SEAC

Draft Terms of Reference (TOR) have been discussed and finalized during 138th meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

Specific Conditions by SEAC:

1) PP to submit self declaration giving year wise details of manufacturing of products, their quantities,pollution load etc. PP also to mention that none of the requirements of the EIA Notification, 2006 has been violated till date in their self certificate.
2) PP to submit their plan for achieving 33% green belt as per National Forest Policy.
3) PP to submit copies of On Site and Off Site Emergency Preparedness Plan duly accepted by competent authority.
4) PP to use chemical names of the products instead of the commercial name/brand etc.

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

SEAC-1 Meeting

SEAC Meeting number: 138 th SEAC-1 Meeting **Meeting Date** June 1, 2017

Subject: Environment Clearance for Synthetic chemical industry (under 5 f category)

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	M/s NGL Fine Chem Ltd
2.Type of institution	Private
3.Name of Project Proponent	Mr Rahul Nachane
4.Name of Consultant	SGM CORPORATE CONSULATNT PVT LTD
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Change in Product Mix
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	W-142,C,Thane Belapur Road, Pawane, Navi Mumbai
9.Taluka	VASHI
10.Village	PAWANE
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 880
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	900.00
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.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.): Not applicable
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	360

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

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)	NA

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)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Erythromycin Stearate/ Estoilate IP/BP & OTHERS	10	0.3	0.3
2	Nitazoxanide	0	2.0	2.0
3	Triclabendazole	0	2.0	2.0
4	Butaphosphan & others API	0	2.0	2.0
5	Isometamidium chloride hydrochloride	0	0.2	0.2
6	Imidocarb Dipropionate	0	0.2	0.2
7	Clorsulon	0	0.8	0.8
8	Diminazene Diaceturate	0	1.0	1.0
9	Praziquantal	0	0.3	0.3
10	Albendazole	0	0.5	0.5
11	Ranolazine	0	0.2	0.2
12	Febuxostat	0	0.5	0.5

32.Total Water Requirement

Dry 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

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)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	1.7	00	1.7	0.3	00	0.3	1.4	00	1.4
Industrial Process	7.5	00	7.5	0.5	00	0.5	7.0	00	7.0
Cooling tower & thermopack	18.5	00	18.5	18.0	00	18.0	0.5	00	0.5
Gardening	2.0	00	2.0	2.0	00	2.0	00	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	about 5.0
	Size and no of RWH tank(s) and Quantity:	10 cum
	Location of the RWH tank(s):	ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	1.0
	Budgetary allocation (O & M cost) :	0.05
	Details of UGT tanks if any :	50 cum

35.Storm water drainage	**Natural water drainage pattern:**	Through MIDC drain
	Quantity of storm water:	0.15 cum/sec
	Size of SWD:	300 x 400 mm

Sewage and Waste water	**Sewage generation in KLD:**	1.4
	STP technology:	Septic tank
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	1.5
	Budgetary allocation (O & M cost):	0.15

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	2.5 KG
	Wet waste:	2.5 KG
	Hazardous waste:	DISTILLATION RESIDUES & OTHERS
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Handed over to local body
	Wet waste:	Handed over to local body
	Hazardous waste:	Sent to CHWTSDF, Trans Thane Creek Waste Management-Mahape,Navi Mumbai.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	20 sq.m
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1.5 L
	O & M cost:	0.2 L

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	5.5-6.5	5.5-9.0	5.5-9.0
2	BOD	mg/lit	3250 -3500	<100	100
3	COD	mg/lit	7220 – 8910	<250	250
4	SS	mg/lit	320-480	<100	100

Amount of effluent generation (CMD):	7.5
Capacity of the ETP:	10
Amount of treated effluent recycled :	00
Amount of water send to the CETP:	7.5
Membership of CETP (if require):	yes
Note on ETP technology to be used	ETP with tertiary treament

Disposal of the ETP sludge	Sent to CHWTSDF, Trans Thane Creek Waste Management-Mahape,Navi Mumbai.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	5.1	TPM	0.08	00	0.08	MPCB authorised Vendors
2	Spent Catalysts	28.2	TPM	0.01	0.01	0.01	CHWTSDF
3	Discarded Containers	33.3	NO.	45	05	50	return to vendor/sale
4	ETP Sludge	35.3	TPM	0.01	00	0.01	CHWTSDF
5	Distillation Residue	20.3	TPM	0.07	0.005	0.075	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	Boiler + 1 (stand by)	180 Lit/day	1	30	0.3	120
2	Scrubber	00	1	12	0.1	40
3	D.G	50	1	4.5	0.1	90

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO	150	30	180
41.Source of Fuel		LOCAL VENDORS		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	148.20 sq.m
	No of trees to be cut :	00
	Number of trees to be planted :	30
	List of proposed native trees :	In annexure
	Timeline for completion of plantation :	Already planted

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	NA	NA	NA	NA
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	NA
	During Operation phase (Demand load):	175 KVA
	Transformer:	300
	DG set as Power back-up during operation phase:	125 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Light fixtures will be used with energy saving LED & T5 fluorescent tube with electronic chocks , use of Energy efficient equipments (BEE STAR RATED

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Yes	5.0-7.5 KVA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
wasterwater	ETP	NA
Emissions	Scrubber	NA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2.5 L
	O & M cost:	0.3 L

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	WATER POLLUTION CONTROL	ETP	20.0	2.75
2	AIR POLLUTION CONTROL	SCRUBBER	6.0	1.00
3	NOISE POLLTION CONTROL	ACOUSTIC ENCLOSURE	4.0	0.25
4	SOLID WASTE MANGEMENT	SEGREGATION STORAGE	1.5	0.2
5	Energy Conservation Measures	-	2.5	0.3
6	GREEN BELT	PLANTATION	0.50	0.15

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
ANNEXURE	ANNEXURE	ANNEXURE	ANNEXURE	ANNEXURE	ANNEXURE	ANNEXURE	ANNEXURE

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6.0
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5f
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	17-02-2017

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.

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.

DECISION OF SEAC

Draft Terms of Reference (TOR) have been discussed and finalized during 138th meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

Specific Conditions by SEAC:

1) PP to submit self-certificate for not making any product mix, no increase in pollution load, no increase in production quantity etc from the issuance of EIA Notification, 1994,2004 and 2006 and their consented quantities; PP also to mention categorically that none of the requirement of EIA Notification has been violated by them.
2) PP to submit their plan to achieve 33% of green belt as per National Forest Policy.
3) PP to submit copies of On Site and Off Site Emergency Preparedness Plan duly accepted by competent authority.
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) It was observed that the Methanol recovery is less and there is scope to increase the same to reduce the emissions to the Environment; PP to address the same in EIA report.

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

SEAC-1 Meeting

SEAC Meeting number: 138 th SEAC-1 Meeting **Meeting Date** June 1, 2017

Subject: Environment Clearance for Bharat Chemicals, Plot No. L-13, 28, 29 and 30, Tarapur, Maharashtra

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	Expansion in manufacture of Synthetic Organic Chemicals
2.Type of institution	Private
3.Name of Project Proponent	Mr. Paresh Shah
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. L-13, 28, 29 and 30
9.Taluka	Palghar
10.Village	Kolwade
11.Area of the project	MIDC Tarapur
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 2116
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	4008 m2
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.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.): Not applicable
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	261900000

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

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)	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
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	Paracetamol	125	1000	1125
2	Para Nitro Phenol and salt	10	00	10
3	Caffeine	90	210	300
4	Mefanamic Acid	10	-10	00
5	Chlorozoxasone Hydrochloride	25	-25	00
6	Albendazole	5	-5	00
7	Other Bulk Drug Product Mix	5	-5	00

32.Total Water Requirement

Dry 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

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)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	7	4	11	2	1	3	5	3	8
Industrial Process	23	127	150	4	118	122	19	9	28
Cooling tower & thermopack	50	291	341	47	234	281	3	57	60
Gardening	5	0	5	5	0	5	0	0	0
Fresh water requirement	85	422	507	58	353	411	27	69	96

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	There are 2 nos. of underground tanks having capacities 140000 m3 and 15000 m3 respectively. Both are used for water storage.

35.Storm water drainage	**Natural water drainage pattern:**	Provided by MIDC
	Quantity of storm water:	NA
	Size of SWD:	NA
Sewage and Waste water	**Sewage generation in KLD:**	Existing: 7, Proposed: 4, Total: 11
	STP technology:	Primary, Secondary, Tertiary
	Capacity of STP (CMD):	one no. of STP, having capacity of 10 KLD
	Location & area of the STP:	near to ETP
	Budgetary allocation (Capital cost):	8 lakhs
	Budgetary allocation (O & M cost):	20000 per month

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	Activated carbon sludge: 504 TPA, ETP Sludge: 4.8 TPA
	Hazardous waste:	508.8 MT/A
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	10 kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	NA
	Wet waste:	MWML Taloja
	Hazardous waste:	MWML Taloja
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	2.9 kg/day
	Others if any:	NA
Area requirement:	**Location(s):**	Plant area, RM & Product storages area, ETP & STP, Office Building, Parking, Internal road, Green belt
	Area for the storage of waste & other material:	486 m2
	Area for machinery:	1267 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Existing: 5.50 Cr., Proposed: 7.00 Cr., Total: 12.50 Cr.
	O & M cost:	1.80 Cr.

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	4 - 5	7 - 8.5	5.5 - 9
2	TDS	mg/l	3000 - 4000	1800-2000	below 2100
3	BOD	mg/l	2500 - 3000	60-80	below 100
4	COD	mg/l	5000 - 6000	180-200	below 250
5	TSS	mg/l	300 - 400	70-90	below 100
Amount of effluent generation (CMD):		85			

Capacity of the ETP:	150 CMD
Amount of treated effluent recycled :	199 CMD
Amount of water send to the CETP:	23
Membership of CETP (if require):	Yes
Note on ETP technology to be used	ETP, MEE, RO
Disposal of the ETP sludge	MWML Taloja

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Activated carbon sludge	28.2	TPA	120	384	504	MWML Taloja
2	ETP Sludge	34.3	TPA	2.4	2.4	4.8	MWML Taloja

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	Existing: DG set (125 KVA)	Diesel, 32 kg/hr	1	2.3	0.15	150
2	Proposed: DG set (800 KVA)	Diesel, 210 kg/hr	2	5.7	0.15	150

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	32 kg/hr	210 kg/hr	242 kg/hr
41.Source of Fuel		Local		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	500
	No of trees to be cut :	NA
	Number of trees to be planted :	25
	List of proposed native trees :	10
	Timeline for completion of plantation :	6 months after grant of EC

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	Ficus religiosa	Pimpal	7	Dust resistant and local variety
2	Polyalthia longifolia	False Ashok	8	Sound barrier and local variety
3	Azardirachta indica	Neem	6	Dust resistant and medicinal value
4	Anthosephalus cadamba	Kadamb	9	Dust barrier and local variety
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDC
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	600
	During Operation phase (Demand load):	1000
	Transformer:	Existing: 750 KVA, Proposed: 250 KVA
	DG set as Power back-up during operation phase:	Existing: 125 KVA, Proposed: 800 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG set	adequate stack height	adequate stack height

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	2 nos. of stack	4.5	1.2
2	Water pollution	ETP	6.0	2.0
3	Noise	Acoustic enclosure	3.0	0.5
4	Process emissions	3 nos. of scrubbers	5.0	2.0

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
Para Amino Phenol	Solid	Bags	50.0	50.0	50.0	Local	By Road
Acetic Anhydride/ Acetic Acid	Liquid	Tank farm	100.000.0	100.0	100.0	Local	By Road

Soda ash	Solid	Bags	20.0	20.0	20.0	Local	By Road
Activated Carbon	Solid	Bags	01.0	01.0	01.0	Local	By Road
Para Nitro Chloro Benzene	Solid	Bags	11.5	11.5	11.5	Local	By Road
Caustic soda lye	Liquid	Tank farm	14.0	14.0	14.0	Local	By Road
Sulphuric acid	Liquid	Tank farm	25.0	25.0	25.0	Local	By Road
Theophylline crude/ Theophylinate crude	Solid	Bags	90.0	90.0	90.0	Local	By Road
Di-methyl sulfate	Liquid	Tank farm	77.0	77.0	77.0	Local	By Road
Hydrochloric acid	Liquid	Tank farm	77.0	77.0	77.0	Local	By Road
Activated Carbon	Solid	Bags	09.0	09.0	09.0	Local	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5f B-1
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	15-03-2017

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.

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 informed that they have started the production activity from the year 1982 and they have increased their production capacity up to 270 Tons in the year 2007 . PP informed that they have submitted "No Pollution Load Certificate" to the State Pollution Control Board as per Office Memorandum issued by MoEF&CC dated 04.12.2006 hence Environment Clearance condition was waived.

DECISION OF SEAC

Draft Terms of Reference (TOR) have been discussed and finalized during 138th meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

Specific Conditions by SEAC:

1) PP to submit self-certificate for not making any product mix, no increase in pollution load, no increase in production quantity etc from the issuance of EIA Notification, 1994,2004 and 2006 and their consented quantities; PP also to mention categorically that none of the requirement of EIA Notification has been violated by them.
2) PP to submit their plan to achieve 33% of green belt as per National Forest Policy.
3) PP to submit copies of On Site and Off Site Emergency Preparedness Plan duly accepted by competent authority.
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 submit an affidavit for achieving Zero Liquid Discharge and not discharging any additional load on CETP or in any other source outside the limits of factory premises.
6) PP to include detailed water balance chart in EIA report along with quantities of waste water generation and its disposal.

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

SEAC-1 Meeting

SEAC Meeting number: 138 th SEAC-1 Meeting **Meeting Date** June 1, 2017

Subject: Environment Clearance for Akzo Nobel India Limited

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	Akzo Nobel India Limited
2.Type of institution	Private
3.Name of Project Proponent	Mr. Shrikant K. Kulkarni.
4.Name of Consultant	Sadekar Enviro Engineers Pvt. Ltd. QCI NABET Accredited Consultancy :Certificate no. NABET/EIA/1518/ RA 020
5.Type of project	Not applicable. Brown field industrial project
6.New project/expansion in existing project/modernization/diversification in existing project	expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	no
8.Location of the project	Plot E-18, 19, 20 & C-61(Part), MIDC Mahad, Mahad
9.Taluka	Mahad
10.Village	Khaire
11.Area of the project	group gram panchyat Savane
12.IOD/IOA/Concession/Plan Approval Number	not aplicable. industrial project
	IOD/IOA/Concession/Plan Approval Number: Not aplicable. industrial project
	Approved Built-up Area: 8345.7
13.Note on the initiated work (If applicable)	no work is initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	not applicable. Plan will be submitted to MIDC, Mahad.
15.Total Plot Area (sq. m.)	86478 sq. m.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.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.): Not applicable
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	240400000

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

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)	Internal roads of 6m and 9 m width have been provided.

28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	min. 9m
29.Existing structure (s) if any	administration office, existing production building, utilities building, storage yard, ETP, hazardous waste storage area, fire fighting system, security cabin, green belt
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	Organic Peroxides (Pure) Total	99.78	185.18	284.96
2	Refilling/ blending of Metal Alkyls (Pure)	66.67	75.17	141.83
3	Byproduct: Sodium chloride salt (NaCl)	0	108	108

32.Total Water Requirement

Dry 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
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)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	5	5	10	1	1	2	4	4	8
Industrial Process	235	235	470	5	5	10	230	230	460
Cooling tower & thermopack	10	50	60	7	17	24	3	33	36
Gardening	100	0	100	100	0	100	0	0	0
Fresh water requirement	350	290	640	113	23	136	237	267	504

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	approx. 20 m below ground level
	Size and no of RWH tank(s) and Quantity:	1 RWH tank of 10,000 L will be provided
	Location of the RWH tank(s):	appropriate location will be decided as per architectural drawing
	Quantity of recharge pits:	no recharge pits are proposed
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	10,00,000
	Budgetary allocation (O & M cost) :	25,000
	Details of UGT tanks if any :	not aplicable
35.Storm water drainage	**Natural water drainage pattern:**	site is MIDC developed land . MIDC drains are provided to each plot for drainage of storm water.
	Quantity of storm water:	0.03 cum/sec
	Size of SWD:	0.6*1*1796 m
Sewage and Waste water	**Sewage generation in KLD:**	4 CMD existing and after expansion total 8 CMD sewage will be generated
	STP technology:	sewage will be treated in aerobic treatment of ETP
	Capacity of STP (CMD):	No STP. ETP of 700 CMD capacity is provided for effluent treatment
	Location & area of the STP:	No STP. ETP is provided
	Budgetary allocation (Capital cost):	proposed cost for water treatment- Rs. 1,00,00,000
	Budgetary allocation (O & M cost):	Rs.12,00,000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	in construction phase minor quantity construction waste will be generated.
	Disposal of the construction waste debris:	construction debris will be used for landfill inside the plot premise

Waste generation in the operation Phase:	**Dry waste:**	144 TPA scrap plastic and other non hazardous dry waste will be generated in operation phase
	Wet waste:	Hazardous wet waste will be disposed to CHWTSDF or it will be sold to authorised re-processor.
	Hazardous waste:	HW will be disposed at CHWTSDF or it will be sold to MPCB authorised recycler.
	Biomedical waste (If applicable):	if generated, it is disposed to authorised party
	STP Sludge (Dry sludge):	No STP sludge. it is estimated that 14 TPA ETP sludge will be produced during operation phase. it will be disposed to CHWTSDF
	Others if any:	--
Mode of Disposal of waste:	**Dry waste:**	total 144 MT/year scrap/ dry non hazardous waste will be generated will be sold to authorised recycler.
	Wet waste:	Hazardous wet waste will be disposed to CHWTSDF or it will be sold to authorised re-processor.
	Hazardous waste:	Hazardous wet waste will be disposed to CHWTSDF or it will be sold to authorised re-processor.
	Biomedical waste (If applicable):	if generated, it is disposed to authorised party
	STP Sludge (Dry sludge):	No STP sludge. it is estimated that 14 TPA dry ETP sludge will be produced during operation phase. it will be disposed to CHWTSDF
	Others if any:	not applicable
Area requirement:	**Location(s):**	additional 2002 sq. m. will be required for expansion of production activity as per plot layout.
	Area for the storage of waste & other material:	--
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	0
	O & M cost:	Rs. 3,00,000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	--	7.0	6.5-8.5
2	SS	mg/L	--	<10	100
3	BOD 3 days 27 deg. C	mg/L	--	37	100
4	COD	mg/L	--	112	250
5	oil and grease	mg/L	--	04	10
6	TDS	mg/L	--	1537	2100
7	Chlorides	mg/L	--	455	600
8	sulphates	mg/L	--	95	1000
9	% sodium	mg/L	--	623 (0.0623 %)	60%
10	phenolic compound	mg/L	--	0.3	5
11	TAN	mg/L	--	1.0	50
12	chromium (Cr+6)	mg/L	--	<0.1	0.1
13	sulphides (as S)	mg/L	--	<0.5	2.0
14	phosphates (as P)	mg/L	--	<0.5	5.0
15	Bioassay Test	--	--	90 % survival of fish after first 96 hrs. in 100 % effluent.	90 % survival of fish after first 96 hrs. in 100 % effluent.

Amount of effluent generation (CMD):	after expansion 504 CMD
Capacity of the ETP:	700 CMD
Amount of treated effluent recycled :	0
Amount of water send to the CETP:	504 CMD

Membership of CETP (if require):	Member of CETP Mahad. membership no. : 112
Note on ETP technology to be used	Effluent stream segregation will be done on the basis of TDS concentration. High TDS stream will be first treated in salt recovery system and recovered water will be treated in 2 stage ETP consisting primary and secondary treatment. An ETP having 700 CMD capacity consisting of primary treatment and Sequential Batch Reactor as secondary treatment is presently employed to treat the effluent. An additional SBR of 250 CMD capacity will be provided.
Disposal of the ETP sludge	To CHWTSDF or sell to MPCB authorised re-processor.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	alkali residue	12.2	TPA	20	--	20	CHWTSDF
2	chemicals containing residue from decontamination	33.1	TPA	2.4	2.6	5.0	CHWTSDF
3	used/ spend oil	5.1	TPA	2.4	2.4	4.8	MPCB authorized recycler
4	spent solvent	20.2	TPA	12	12	24	CHWTSDF/ MPCB authorized recycler
5	discarded containers/ barrels / liners/ plastic bags/ PPE	33.3	nos.	120	120	240	CHWTSDF/ MPCB authorized recycler
6	chemical sludge from wastewater treatment	34.3	TPA	7.2	6.8	14	CHWTSDF/ MPCB authorized recycler
7	evaporation salt (NaCl)	37.2	TPA	0	144	144	CHWTSDF/ MPCB authorized recycler

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set (500 KVA)	135 L/hour HSD	1	10	0.15	265 C
2	Scrubber (Process stack)	--	2	16	0.5	59 C
3	Diesel engine stack-1	22 L/hr HSD	3	6.5	0.1	199 C
4	Diesel engine stack-2	17 L/hr HSD	4	6	0.07	214 C
5	Boiler stack	834 Kg/day LDO/ FO	5	30	0.3	160
6	DG set (200 KVA)	Disconnected	--	--	--	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	174 L/hr	0	174 L/hr
2	LDO/ FO	0	834 Kg/day	834 kg/day
41.Source of Fuel		local vendors		
42.Mode of Transportation of fuel to site		by road transportation		

43.Green Belt Development

Total RG area :	29995 sq. m. green belt is developed inside the plant
No of trees to be cut :	0
Number of trees to be planted :	0
List of proposed native trees :	no trees will be planted
Timeline for completion of plantation :	no additional plantation will be done

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 :**	MSEDCL
	During Construction Phase: (Demand Load)	1375 KW
	DG set as Power back-up during construction phase	500 KVA
	During Operation phase (Connected load):	1850 KW
	During Operation phase (Demand load):	1850 KW
	Transformer:	1000 KVA
	DG set as Power back-up during operation phase:	yes. existing 500 KVA DG will be used.
	Fuel used:	135 L/Hr HSD
	Details of high tension line passing through the plot if any:	Plot is in MIDC, Mahad. No high tension line is passing through the plot

48.Energy saving by non-conventional method:

--

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
process emissions	1 alkali scrubber of 25 Cum/hr capacity is provided .	1 addtional alkali scrubber of 50 cum/hr capacity will be provided
boiler emissions	presently no boiler is used in the plant	proposed FO/LDO run boiler will be provided stack as per CPCB guidelines.
DG set emissions	DG set is used in power cut only. Adequate stack height is provided as per guidelines.	no additional DG set is proposed. existing controlling methods will be used
sewage treatment	sewage is mixed with effluent and it is treated in sequencing batch reactor of ETP	existing treatment method will be utilised.
Diesel engine stacks	adequate stack height is provided	no additional diesel engines are proposed. Existing controlling methods will be used
process effluent treatment	A 700 CMD capacity ETP is used consisting of primary treatment and secondary treatment. sequencing batch reactors are employed for better aerobic treatment of the effluent. The treated effluent is dischared to CETP, Mahad MIDC.	effluent stream load seqregation will be done on the basis of TDS load. high TDS effluent will be initially treated by a salt recovery system and salt is recovered from process effluent. the remaining low TDS process effluent is further treated in ETP and it will be discharged to CETP, Mahad. additional 250 CMD capacity SBR will be installed to provide higher retention time for secondary treatment which will ensures better effluent treatment.

Noise pollution	Acoustic enclosures, a housing is provided to noise generating equipment. periodic maintenance of equipment is done to reduce noise and vibrations.	additioinal equipment will be provided with acoustic enclosures to control noise pollution
Solid waste management	Non hazardous waste is sold to authorised scrap vendors. Hazardous waste is disposed to CHWTSDF or sold to MPCB authorised dealers as per HW category.	The existing treatment methods will be continued for additional waste generated. Salt recovered from the salt recovery system will be sold as byproduct.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	capital cost for additional energy requirement is included in project capital cost.
	O & M cost:	Rs. 5,00,000 for proposed energy requirement

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 control	dust emission-construction of barriers, water sprinkling on emission sources, cement bags will be stored in closed area and handled appropriately., only PUC certified vehicles will be used for transportation of construction materials	2.00
2	water pollution control	the sewage will be treated in ETP. the waste water which will be generated from construction processes will be treated in existing ETP	0.5
3	noise pollution control	noise generating operations will be carries out only in daytime. the housing/ barriers will be provided for equipment.	0.5
4	soil pollution control	land will be kept clean by proper housekeeping. The construction debris will be used for landfilling in the plant premise.	0.5
5	Occupational health	Workers will be provided PPEs. Safety training will be provided to workers. medical facility and assistance will be provided to workers in emergency.	1.0

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	1 additional alkali scrubber of 50 cum/hr will be provided with appropriate stack height in the expansion phase. 3. The proposed FO/LDO run boiler will be provided stack as per CPCB norms.	15	1.2

2	Water Pollution Control	Effluent stream segregation will be done before treatment. High TDS effluent stream will be treated in salt recovery system and condensate will be mixed with low TDS stream and it will be treated in two stage ETP. Low TDS/COD stream will be treated in two stage ETP consisting of primary and secondary treatment. One additional SBR of 250 CMD capacity will be provided for secondary treatment.	1,00	12
3	Noise Pollution Control	Along with existing control measures, acoustic enclosures will be provided and better equipment maintenance will be done for effective noise pollution control.	-	0.5
4	Environment Monitoring and Management	periodic monitoring will be done inside the plant including ambient air monitoring , work place monitoring, source emission monitoring.	5	12
5	Occupational Health	Periodic safety training, health checkup of employees . Medical facilities are provided to employees.	2	0.5
6	Green Belt	the existing green belt will be maintained properly	--	3
7	Solid Waste Management	Solid hazardous waste will be disposed at CHWTSDF or it will be sold to MPCB authorized recyclers. Non hazardous waste will be disposed through MPCB authorized dealers. The salt which is recovered from high TDS effluent will be sold as byproduct.	--	3
8	Water conservation	RWH tank will be constructed for collection and use of roof top rain water	10	0.25

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

2-Ethyl hexyl chloroformate	Liquid	Drums	30	30	35	Local	road
Pivaloyl chloride	Liquid	Drums	8	8	10	Local	road
Benzoyl chloride	Liquid	Drums	30	30	13.7	Local	road
Isopropyl chloroformate	Liquid	Drums	10	10	1.5	Imported	Sea
Isododecane	Liquid	Drums	15	15	27	Imported	Sea
RAV 7AT	Liquid	Drums	25	25	5	Imported	Sea
Tert. butyhydroperoxide 70 %	Liquid	Drums	45	45	93	Imported	Sea
Hydrogen peroxide 70 %	Liquid	Tank	28	28	32.2	Local	road
Acetic acid	Liquid	Drums	2	2	1.4	Local	road
Sulphuric acid	Liquid	Drums	3	3	9.3	Local	road
Sodium hydroxide (30%)	Liquid	Tank	45	45	198	Local	road
Potasium hydroxide	Solid	Drums	3	3	2.2	Local	road
2-EHCL	Liquid	Drums	16	16	19	Local	road
Neo deconoyl chloride	Liquid	Drums	7.5	7.5	4.5	Local	road
Methanol	Liquid	Drums	12	12	30.3	Local	road
1,1,3,3 tetra methyl butyl Hydroperoxide	Liquid	Cans	12	12	4.5	Imported	Sea
Methyl ethyl ketone	Liquid	Drums	3	3	5.8	Local	road
Alcotex	Liquid	Drums	4	4	1	Imported	Sea
Toluene	Liquid	Drums	14.5	14.5	30.3	Local	road
Dequest 2060 S	Liquid	Drums	1.5	1.5	0.7	Imported	Sea
Isobutyryl Chloride	Liquid	Drums	40	40	93.3	Local	road
Acetyl acetone	Liquid	Drums	7	7	1.1	Imported	Sea
spirdane D60	Liquid	Drums	45	45	29.2	Imported	Sea
HCl 30%	Liquid	Tank	20	20	41	Local	Road
Isononanoyl Chloride	Liquid	Drums	16	16	16.3	Imported	Sea
Cyclohexanone	Liquid	Drums	2	2	1	Imported	Sea
Isononanoic Acid	Liquid	Drums	1	1	0.4	Imported	Sea
TBA	Liquid	Drums	6	6	2.1	Imported	Sea
Diisopropanol Benzene	Liquid	Drums	8	8	8.3	Imported	Sea
Sodium Perchlorate	Liquid	Drums	4	4	4.2	Local	Road
DHP	Liquid	Drums	5	5	4.2	Imported	Sea
Isopar H	Liquid	Drums	24	24	27.7	Imported	Sea

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:	1865.1 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 wide roads are provided inside the plant
	CRZ/ RRZ clearance obtain, if any:	not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Scattered patches of Reserve Forest exist at an aerial distance of more than 5 km from the project site.
	Category as per schedule of EIA Notification sheet	schedule 5(f) category 'B1'
	Court cases pending if any	no
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	07-04-2017

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.

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 informed that they have started the production activity from the year 1990 and they have not increased their production capacity , product mix, pollution load in their consented limits.

DECISION OF SEAC

Draft Terms of Reference (TOR) have been discussed and finalized during 138th meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

Specific Conditions by SEAC:

1) PP to submit self-certificate for not making any product mix, no increase in pollution load, no increase in production quantity etc from the issuance of EIA Notification, 1994,2004 and 2006 and their consented quantities; PP also to mention categorically that none of the requirement of EIA Notification has been violated by them.
2) PP to submit their plan to achieve 33% of green belt as per National Forest Policy.
3) PP to submit copies of On Site and Off Site Emergency Preparedness Plan duly accepted by competent authority.
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 include detailed water balance chart in EIA report along with quantities of waste water generation and its disposal.
6) PP to carry out and submit life cycle analysis report and sustainability index for each item to be used on site.
7) PP to submit a note on the status of applicability of General Condition mentioned in the Schedule attached to EIA Notification, 2006.

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

SEAC-1 Meeting

SEAC Meeting number: 138 th SEAC-1 Meeting **Meeting Date** June 1, 2017

Subject: Environment Clearance for Expansion of billet/TMT Bars manufacturing facilities

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	M/s Geetai Steels Pvt. Ltd., Jalna.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ashish Agrawal
4.Name of Consultant	M/s. Mantras Green Resources Limited,Nashik
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot no: F-21, F-22,F-22 Part I, F-22 part: II, Addl. MIDC area Phase II, Jalna, Dist: Jalna
9.Taluka	Jalna
10.Village	Jalna
11.Area of the project	Industrial Area
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: No
	Approved Built-up Area: 15950.77
13.Note on the initiated work (If applicable)	No
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	No
15.Total Plot Area (sq. m.)	39021.0sq.m
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.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.): Not applicable
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	450000000

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

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)	No

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)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Billets/TMT bars	6000	30,000	36,000

32.Total Water Requirement

Dry season:	**Source of water**	Not applicable
	Fresh water (CMD):	70
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	70
	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):	70
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	70
	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
Domestic	05	10	15	5	5	10	0	05	05
Industrial Process	20	35	55	10	15	25	10	20	30
Gardening	10	10	20	00	00	00	00	00	00
Cooling tower & thermopack	10	25	35	10	10	20	5	10	15

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Rain water harvesting plan is proposed
	Size and no of RWH tank(s) and Quantity:	designed
	Location of the RWH tank(s):	in premises
	Quantity of recharge pits:	1
	Size of recharge pits :	designed
	Budgetary allocation (Capital cost) :	10.00 Lacs
	Budgetary allocation (O & M cost) :	0.5 lacs
	Details of UGT tanks if any :	No
35.Storm water drainage	**Natural water drainage pattern:**	No
	Quantity of storm water:	No
	Size of SWD:	No
Sewage and Waste water	**Sewage generation in KLD:**	5 KLD
	STP technology:	Soak pit follow by septic tank
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	07.00 LACS
	Budgetary allocation (O & M cost):	1.2 LACS

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction will be on plan barren land, there no any demolition so that no any solid waste will be generate.
	Disposal of the construction waste debris:	no solid waste will be generate
Waste generation in the operation Phase:	**Dry waste:**	Slag, Process dust
	Wet waste:	Sewage through septic tank
	Hazardous waste:	no
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	sold to brick manufacturers
	Wet waste:	Zero discharge unit
	Hazardous waste:	No
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Not Applicable
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable
	O & M cost:	Not Applicable

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
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 system	electricity	01(Proposed: 1 Nos)	45 Meters.	1.2	40 to 450C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Electricity	10.01 MW	10.00 MW	20.01 MW

41.Source of Fuel	MSEDCL
42.Mode of Transportation of fuel to site	MSEDCL

43.Green Belt Development	**Total RG area :**	33% of open area will be provided
	No of trees to be cut :	0
	Number of trees to be planted :	643
	List of proposed native trees :	Shirish,neem,aam,Ashoka,Bakul,Pangara
	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	Albizia lebbeck	Shiris	100	Shady tree, yellowish green fragrant flowers
2	Saraca asoka	Ashoka	200	Shady tree with red-yellow flowers.
3	Mimusops elengi	Bakul	123	Shady tree, small white fragrant flowers
4	Lagerstroemia flos-regineae	Tamhan	100	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
5	Bauhinia racemosa	Aapta	120	Small tree with small white flowers, Butterfly host 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
1	Not Applicable	Not Applicable	Not Applicable

47.Energy

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):	10 MW
	During Operation phase (Demand load):	10 MW
	Transformer:	No
	DG set as Power back-up during operation phase:	500 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

No

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NO	No

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Furnace	Fumes extraction system followed by hood	Fumes extraction system followed by hood

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	10 Lacs App.
	O & M cost:	5 Lacs App.

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	control device, chimney, water cooling arrangement, insulation etc	80
2	Wastewater management	Wastewater management	10
3	Solid Waste disposal	Solid Waste disposal	08
4	Green Belt	Development of Green belt by plantation of 643 plants,herbs and shrubs covering 33% area of total area	7
5	Monitoring	Environmental parameters to be monitored	--
6	Environmental Cell	Management of environment by Environment Management Department	--
7	Total	Total	107

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 device, chimney, water cooling arrangement, insulation etc	120	08
2	Wastewater management	Wastewater management	7	1.2
3	Solid Waste disposal	Solid Waste disposal	07	1
4	Green Belt	Development of Green belt by plantation of 643 plants,herbs and shrubs covering 33% area of total area	3	1
5	Monitoring	Environmental parameters to be monitored	--	2
6	Environmental Cell	Management of environment by Environment Management Department	--	2
7	Total	Total	137	15.2

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

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:	Not Applicable
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:	Not Applicable
	Width of all Internal roads (m):	Not Applicable
	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	Not Applicable
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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. PP presented draft TOR based on standard TOR issued by MoEF& CC published in April, 2015.

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 informed that they have obtained earlier Environment Clearance vide No. SEAC2010/CR-386/TC-2 dated 30.09.2011.

DECISION OF SEAC

Draft Terms of Reference (TOR) have been discussed and finalized during 138th meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

Specific Conditions by SEAC:

1) PP to submit compliance report of the Regional Office of MoEF &CC for their earlier EC dated 30.09.2011.
2) PP to provide STP for domestic waste water treatment.
3) PP to submit their plan to achieve 33% of green belt as per National Forest Policy.
4) PP to submit copies of On Site and Off Site Emergency Preparedness Plan duly accepted by competent authority.
5) PP to include detailed water balance chart in EIA report along with quantities of waste water generation and its disposal.
6) PP to carry out and submit life cycle analysis report and sustainability index for each item to be used on site.

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

SEAC-1 Meeting

SEAC Meeting number: 138 th SEAC-1 Meeting **Meeting Date** June 1, 2017

Subject: Environment Clearance for Proposed API Manufacturing unit of M/s Chinchem Laboratories Pvt. Ltd.

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	M/s Chinchem Laboratories Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Dr. Nikhil Dhoot
4.Name of Consultant	M/s Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New Project (Green Field Project)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	G-18, Lote-Parshuram Industrial Area MIDC
9.Taluka	Khed
10.Village	Dhamandevi
11.Area of the project	Lote Parshuram MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: Plan is not yet approved
	Approved Built-up Area: 6300
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Possession receipt from MIDC
15.Total Plot Area (sq. m.)	20000 sq.m.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.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.): Not applicable
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	270000000

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

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)	8 meter

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)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Isosorbide-5-Mononitrate	0	5.0	5.0
2	Diluted Isosorbide-5-Mononitrate	0	10.0	10.0
3	Diluted Isosorbide Dinitrate	0	15.0	15.0
4	Diluted Nitroglycerin	0	25.0	25.0
5	Isosorbide	0	5.0	5.0
6	Dimethyl Isosorbide	0	5.0	5.0
7	Carbimazole	0	2.5	2.5
8	Methimazole	0	2.5	2.5
9	Acetic Acid (By-product)	0	2.08	2.08

32.Total Water Requirement

Dry 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

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)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	1.8	1.8	0	0.36	0.36	0	1.44	1.44
Industrial Process	0	51	51	0	0	0	0	63.04	63.04
Cooling tower & thermopack	0	241.31	241.31	0	207.64	207.64	0	33.67	33.67
Gardening	0	19.47	19.47	0	19.47	19.47	0	0	0
Fresh water requirement	0	313.58	313.58	0	227.47	227.47	0	98.15	98.15

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	Underground Fire Hydrant Tank- 300 KL and Process water storage tank - 100 KL will be constructed

35.Storm water drainage	**Natural water drainage pattern:**	Storm water drainage will be provided
	Quantity of storm water:	66.6 KL/Hr
	Size of SWD:	--
Sewage and Waste water	**Sewage generation in KLD:**	1.44
	STP technology:	Sewage generated from domestic activity will be treated in Septic tank and overflow from septic tank will be connected to the Aeration tank of ETP.
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	220.5 MT construction waste will get generated during construction phase of the unit
	Disposal of the construction waste debris:	Construction waste will be disposed through local body.
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Dedicated area for HW storage will be provided as per plot layout
	Area for the storage of waste & other material:	--
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	5
	O & M cost:	10

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	3.6	In between 6.5-8.5	In between 6.5-8.5
2	COD	mg/l	90000	<250	<250
3	BOD	mg/l	30000	<100	<100
4	TDS	mg/l	195000	<2100	<2100
5	TSS	mg/l	7000	<100	<100

Amount of effluent generation (CMD):	98.15 CMD
Capacity of the ETP:	HCOD/HTDS treatment: Pre Primary + Primary Treatment followed by Stripper MEE with ATFD of 77 CMD capacity And MEE condensate + LCOD/LTDS treatment : 95 CMD
Amount of treated effluent recycled :	67 CMD
Amount of water send to the CETP:	It will be ZLD project
Membership of CETP (if require):	NA Provisional membership will be taken
Note on ETP technology to be used	HCOD/HTDS effluent from process will be treated by giving pre primary + Primary treatment followed by Stripper MEE with ATFD. while the LCOD/ LTDS effluent will be treated in conventional ETP. The condensate from MEE and sewage effluent will be connected to the aeration system of conventional ETP and it will be treated along with LCOD effluent. After tertiary treatment it will get passed through two stage RO system and the reject from RO will be connected to evaporator of MEE
Disposal of the ETP sludge	ETP sludge will be disposed through CHWTSDF, Taloja

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Distillation Residue	20.3	T/M	0	22.20	22.20	CHWTSDF, Taloja
2	Spent Carbon	28.3	T/M	0	1.99	1.99	CHWTSDF, Taloja
3	Chemical Sludge from Wastewater treatment	35.3	T/M	0	3.0	3.0	CHWTSDF, Taloja
4	Process Residue	28.1	T/M	0	1.95	1.95	CHWTSDF, Taloja
5	MEE Residue	37.3	T/D	0	13	13	CHWTSDF, Taloja
6	Discarded containers barrels/liners/ plastic bags/ PPE etc	33.1	Nos/M	0	1000	1000	CHWTSDF, Taloja / MPCB authorized recycler
7	Recovered Mix Solvents from Process effluent stream using Stripper MEE	28.2	T/M	0	21	21	CHWTSDF, Taloja
8	Spent Oil	5.1	Lit/M	0	200	200	MPCB authorized recycler

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	0.5 TPH boiler X 2 Nos.	LDO : 0.235 KLD	1	30	0.6	110
2	2.0 TPH boiler	LDO : 2.122 KLD	2	30	0.6	110
3	Thermopack of 250000 Kcal/ hr X 2 Nos	LDO : 0.7 KLD	3	30	0.6	110
4	Scrubber -1	--	4	11	0.4	32
5	Scrubber -2	--	5	11	0.4	32
6	Scrubber -3	--	6	11	0.4	32
7	Scrubber -4	--	7	11	0.4	32
8	Scrubber -5	--	8	11	0.4	32
9	D.G. set 400 KVA	HSD: 89.5 L/Hr	9	4 meter above roof	0.12	50

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO	0	3.06 KL/D	3.06 KL/D
2	HSD	0	89.5 L/Hr	89.5 L/Hr
41.Source of Fuel		Local Vendor		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	3894 sq.m.
	No of trees to be cut :	NA
	Number of trees to be planted :	566
	List of proposed native trees :	Aegle marmelos, Terminalia bellerica, Mangifera indica, Derris indica, Terminalia arjuna,Neolamarckia cadamba, Bombax ceiba, Azadirachta indica, Terminalia paniculata, Terminalia elliptica, Schleichera oleosa, Plumeria rubra, Ixora coccinea, Heterophragma quadriloculare, Oroxylum indicum, Nerium oleander, Catunaregum spinosa, Butea monosperma, Cassia fistula, Tabernaemontana alternifolia, Bougainvillea spectabiis,
	Timeline for completion of plantation :	1 year after grant of Environmental Clearance

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	Ixora coccinea	Rukmini/Bakavali	20	A native shrub blooming throughout the year usually visited by nectar feeding birds & butterflies.
2	Heterophragma quadriloculare	Waras	25	A native deciduous tree visited by nectar feeding birds. Large leaf area helps in settling of dust.
3	Oroxylum indicum	Tetu	25	A native ornamental tree.
4	Nerium oleander	Kaner	35	A native hardy species, drought resistant with fragrant flowers.
5	Catunaregum spinosa	Gela	30	Mountain Pomegranate is an armed shrub or small native evergreen tree
6	Butea monosperma	Palash	30	A native brilliantly flowering tree fed by local birds fairly common
7	Cassia fistula	Bahava	20	Native ornamental tree having flowers attracting bees and butterflies
8	Tabernaemontana alternifolia	Naag kuda	20	A small evergreen native tree
9	Bougainvillea spectabiis	Booganvel	8	An ornamental tree blooming throughout the year
10	Plumeria rubra	Chafa	20	An evergreen brilliantly flowering shrub
11	Schleichera oleosa	Kusum	33	A native tree found in abundance in Sahyadris.
12	Terminalia elliptica	Ain	30	A native evergreen broad leaved tree common in the Sahyadris.
13	Terminalia paniculata	Kindal	25	Kindal is a tropical tree with a large natural distribution in Western Ghats
14	Azadirachta indica	Neem	85	A native evergreen tree known for plantation in polluted area.
15	Bombax ceiba	Sawar	10	A native tree with large showy flowers visited by birds.
16	Neolamarckia cadamba	Kadamba	10	A native evergreen tree with thick canopy.
17	Terminalia arjuna	Arjun	20	A native evergreen tree with large canopy
18	Derris indica	Karanja	30	A native tree blooming throughout the year
19	Mangifera indica	Amba	40	A native evergreen tree with large canopy & large leaf area which helps in dust settling

20	Terminalia bellerica	Baheda	30	A native medicinally important tree
21	Aegle marmelos	Bael	20	A native evergreen tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	300 KW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	400 KW
	During Operation phase (Demand load):	400 KW
	Transformer:	625 KVA
	DG set as Power back-up during operation phase:	400 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Process Emissions	NA	Total 5 Acid/Alkali Scrubbers will be provided with stack height of 11 m height
Boiler and Thermopack	NA	3 number of Stacks of 30 meter height will be provided
D.G. set	NA	Stack of 4 meter height above roof will be provided

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Dust supression	2
2	Water Environment	Arrangement of sanitary facility like mobile toilets etc	5

3	Solid Hazardous waste	Handling, transportation and disposal of Construction waste through local body	5
4	Noise Environment	PUC certified vehicles etc, PPE	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 Environment	Construction of 3 stacks and installation of 5 nos of process scrubbers with stack height of 11m height	117.7	15.2
2	Water Environment	Purchase of Stripper MEE with ATFD, construction of ETP and installation of RO system	360	21.8
3	Noise Environment	Noise Pollution Control, Installation of anti-vibration pads, & Enclosures.	2	0.5
4	Environment Monitoring & Management	Monitoring	0	3.5
5	Occupational Health	Glares, Breathing Masks,Gloves, Boots, Helmets, Ear Plugs etc. & annual health-medical checkup of workers, Occupational Health (training, OHC center)	5	2
6	Green Belt	Development and maintenance of green belt	10.3	2.16
7	Solid waste Management	Solid Waste Management	5	10

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
40% Methyl methacrylate	Liquid	Drum	19.5	19.5	58.4	Local	By Road
70% HNO3	Liquid	Tank	5	5	13.96	Local	By Road
70% Sorbitol	Liquid	Tank	25	25	72.5	Local	By Road
98% HNO3	Liquid	Tank	3.5	3.5	9.74	Local	By Road
Acetic Anhydride	Liquid	Drum	10.5	10.5	30.94	Local	By Raod
Acetone	Liquid	Carboy	15.5	15.5	46.08	Local	By Road
Ammonium Thiocynate	Solid	Bags	2.5	2.5	6.4	Local	By Road
Bromine	Liquid	Bottles	11.3	11.3	67.7	Local	By Road
Charcoal	Solid	Bags	0.98	0.98	0.98	Local	By Road
Dimethyl Sulphate	Liquid	Drum	5	5	15	Local	By Road
Ethyl chloroformate	Liquid	Drum	1	1	2.9	Local	By Road
Glycerin	Liquid	Carboy	0.4	0.4	1.13	Local	By Road
Isosorbide-2-Acet	Liquid	Drum	6	6	16.77	Local	By Road
KOH	Solid	Bags	15	15	45	Local	By Road

Lactose	Solid	Bags	14.5	14.5	43.75	Local	By Road
Methanol	Liquid	Tank	20	20	132.7	Local	By Road
Methylene Chloride	Liquid	Drum	2.5	2.5	7.35	Local	By Road
p-Toulene Sulphonic Acid	Solid	Bags	0.58	0.58	0.58	Local	By Road
Pyridine	Liquid	Drum	0.5	0.5	2.15	Local	By Road
Soda Ash	Solid	Bags	4	4	11.6	Local	By Road
Sodium acetate anhydrous	Solid	Bags	0.5	0.5	1.4	Local	By Road
Sodium Hydroxide	Solid	Bags	2	2	6.3	Local	By Road
Sodium Methoxide	Solid	Bags	0.46	0.46	0.46	Local	By Road
Sulphuric Acid	Liquid	Tank	10	10	28.2	Local	By Road
Toluene	Liquid	Tank	20	20	160	Local	By Road
Vinyl Acetate Monomer	Liquid	Drum	12	12	36	Local	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:	2400
	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):	--
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5(f) Cat : B1
	Court cases pending if any	NA
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No

	Date of online submission	-

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.

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.

DECISION OF SEAC

Draft Terms of Reference (TOR) have been discussed and finalized during 138th meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

Specific Conditions by SEAC:

1) PP to submit their plan to achieve 33% of green belt as per National Forest Policy.
2) PP to submit copies of On Site and Off Site Emergency Preparedness Plan duly accepted by competent authority.
3) 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.
4) PP to include detailed water balance chart in EIA report along with quantities of waste water generation and its disposal.
5) PP to submit an affidavit for achieving Zero Liquid Discharge and not discharging any additional load on CETP or in any other source outside the limits of factory premises.
6) Committee observed that most of the raw material goes into the effluent stream which results in the wastage of resource and sue of additional energy to treat it; PP advised to look into the process of all the products and try to use maximum raw materials to convert into the product so that energy and resources can be saved; PP to include their report in the EIA.

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

SEAC-1 Meeting

SEAC Meeting number: 138 th SEAC-1 Meeting **Meeting Date** June 1, 2017

Subject: Environment Clearance for M/s. Vipul Organics Limited

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	Expansion of Synthetic Organic Pigments and Dyestuffs, Pigment Dispersion, Naphthols, Fast Salts and Vat Dyes at MIDC Ambernath, Maharashtra
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vipul Shah
4.Name of Consultant	Ultra-Tech Enviromental Consultancy and laboratory
5.Type of project	Synthetic Chemical project under category 'B' located at Ambernath Industrial Area
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No: A-14 MIDC Ambernath Industrial Area, District Thane, Maharashtra
9.Taluka	Ambernath
10.Village	Kansi
11.Area of the project	Thane Municipal Corporation (Ambernath Industrial Estate)
12.IOD/IOA/Concession/Plan Approval Number	Project is Located in MIDC area of Ambernath
	IOD/IOA/Concession/Plan Approval Number: Project is Located in IMIDC area of Ambernath
	Approved Built-up Area: 7097
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	7097m2
16.Deductions	NA
17.Net Plot area	7097m2
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 7097 m2
19.Total ground coverage (m2)	3548 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	50
21.Estimated cost of the project	95500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	As per Site Layout	As per Site Layout	As per Site Layout

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Existing infrastructure of Roadways shall be utilized

28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	Existing Manufacturing Shed, Admin Office, Godown, ETP, Laboratory and other ancillary utilities, etc.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Synthetic Organic Pigments & Dyestuffs	2	198	200
2	Pigment Dispersion	0	100	100
3	Naphthols	6	42	48
4	Fast Salts	2	58	60
5	Fast Salts	2	58	60

32.Total Water Requirement

Dry season:	**Source of water**	MIDC Ambernath
	Fresh water (CMD):	783
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	783
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	0
Wet season:	**Source of water**	Rain water/MIDC Ambernath
	Fresh water (CMD):	692
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	692
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	0
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
Industrial Process	0	727.6	727.6	0	242.8	242.8	0	484.9	484.9
Cooling tower & thermopack	0	49.5	49.5	0	46.8	46.8	0	2.7	2.7
Gardening	0	2	2	0	2	2	0	0	0
Domestic	0	3.9	3.9	0	0.7	0.7	0	3.2	3.2
Fresh water requirement	0	783	783	0	292.2	292.2	0	490.8	490.8

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5.5m
	Size and no of RWH tank(s) and Quantity:	RWH shall be routed to proposed underground water tank of 200m3
	Location of the RWH tank(s):	Within Plot Premises
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	Under Ground water tank will be provided for fire fighting
35.Storm water drainage	**Natural water drainage pattern:**	As per Site Layout
	Quantity of storm water:	NA
	Size of SWD:	NA
Sewage and Waste water	**Sewage generation in KLD:**	2.7
	STP technology:	Septic Tank followed by Soak Pit
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Earth work to be reused as filling materials
	Disposal of the construction waste debris:	NA

Waste generation in the operation Phase:	**Dry waste:**	12 Kg/day
	Wet waste:	5 Kg/day
	Hazardous waste:	ETP Sludge 5MTM, Spent Carbon 0.5MTM, Used Lubricants 0.5MTM, Used Containers (Metal & Plastic) 100 Nos, HDPE/LDTE/Gunny Bags 1000Nos
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Hand over to authorized recyclers/vendors
	Wet waste:	Vermi Composting (Off-site)
	Hazardous waste:	CHWTSDF or Reuse/Sell to Scrap Vendors as feasible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NNA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	5.5-7.5	7.5-8.0	7.5-8.0
2	TSS	mg/l	100	<100	<100
3	BOD	mg/l	500	<100	<100
4	COD	mg/l	800	<250	<250
5	TDS	mg/l	400	<2100	<2100
6	Oil and Grease	mg/l	50	<10	<10

Amount of effluent generation (CMD):	490.8
Capacity of the ETP:	500
Amount of treated effluent recycled :	0
Amount of water send to the CETP:	420
Membership of CETP (if require):	Membership with Ambernath MIDC
Note on ETP technology to be used	ETP will be based on Preliminary, Primary, Secondary and Tertiary Treatment Technology
Disposal of the ETP sludge	CHWTSDF Taloja

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	34.3 Sch – I	MTM	0	5	5	Disposed to CHWTSDF
2	Spent Carbon	28.2 Sch - I	MTM	0	0.5	0.5	Disposed to CHWTSDF
3	Used Lubricants	5.1 Sch – I	MTM	0	0.5	0.5	Disposed to CHWTSDF
4	Used Containers (Metal & Plastic)	33.3 Sch – I	Nos	0	100	100	Decontamination & Re-use or sell to Scrap vendors

5	HDPE/ LDTE/ Gunny Bags	33.3 Sch – I	Nos	0	1000	1000	Decontamination & Re-use or sell to Scrap vendors

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	Briquette	1	30	1	140
2	DG set	Diesel	2	4 Above the roof	0.3	160

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Briquette	NA	3 TPD	3 TPD
2	Diesel	NA	100 L/D (Used only during Power failure)	100 L/D (Used only during Power failure)
41.Source of Fuel		Authorised dealer		
42.Mode of Transportation of fuel to site		Road Ways		

43.Green Belt Development	**Total RG area :**	2420 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	75 Nos
	List of proposed native trees :	List As per Native Species
	Timeline for completion of plantation :	After completion of the project

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	Ficus retusa	Nandruk	To be Decided	Shady tree, good for roadside plantation
2	Pongamia pinnata	Karanj	To be Decided	Shady tree.
3	Saraca asoka	Sita Ashok	To be Decided	Shady tree with red-yellow flowers.
4	Anthocephallus cadamba	Kadam	To be Decided	Shady, large tree, ball shaped flowers.
5	Cassia fistula	Bahava,	To be Decided	Medium sized deciduous tree.Beautiful yellow flowers, Butterfly host plant
6	Lagerstroemia flos-regineae	Tamhan	To be Decided	State flower tree of MaharashtraMedium sized tree, beautiful purple flowers
7	Putranjiva roxburghii	Putranjiva	To be Decided	Medium sized evergreen tree,
8	Bauhinia racemosa	Apta	To be Decided	Small tree with small white flowers, Butterfly host 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
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	250 kVA
	DG set as Power back-up during construction phase	D.G. set of 250 kVA to be used in case of emergency or power failure
	During Operation phase (Connected load):	250 kVA
	During Operation phase (Demand load):	250 kVA
	Transformer:	NA
	DG set as Power back-up during operation phase:	D.G. set of 250 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Pollution	Adequate Stack height 30m for the Briquette fired boilers respectively and 3.5 m above roof for the DG Set will be provided. Quarterly monitoring Ambient air Quarterly monitoring of SPM and SO2 concentration and thereby schedule and implement proper maintenance of DG sets by MoEF Approved Laboratory	Adequate Stack height 30m for the Briquette fired boilers respectively and 3.5 m above roof for the DG Set will be provided. Quarterly monitoring Ambient air Quarterly monitoring of SPM and SO2 concentration and thereby schedule and implement proper maintenance of DG sets by MoEF Approved Laboratory
Noise Pollution	Acoustic enclosure for DG set to be maintained Traffic warden shall be provided for assistance to Traffic police vehicle ramp and Service Drive as main pedestrian egress routes will require that traffic control provisions are provided to prevent vehicles from accessing the ramp during fire alarm condition . Selection of varieties of trees that can act as a natural Noise barrier Good Landscaping with retention of existing trees	Acoustic enclosure for DG set to be maintained Traffic warden shall be provided for assistance to Traffic police vehicle ramp and Service Drive as main pedestrian egress routes will require that traffic control provisions are provided to prevent vehicles from accessing the ramp during fire alarm condition . Selection of varieties of trees that can act as a natural Noise barrier Good Landscaping with retention of existing trees
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Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Expenditure on Environmental Management	All Environmental Aspects	As required

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Expenditure on Environmental Management	All Environmental Aspects	90	18

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
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	825 m2
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA

	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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.

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.

DECISION OF SEAC

Draft Terms of Reference (TOR) have been discussed and finalized during 138th meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

Specific Conditions by SEAC:

1) PP to submit self-certificate for not making any product mix, no increase in pollution load, no increase in production quantity etc from the issuance of EIA Notification, 1994,2004 and 2006 and their consented quantities; PP also to mention categorically that none of the requirement of EIA Notification has been violated by them.
2) PP to submit their plan to achieve 33% of green belt as per National Forest Policy.
3) PP to submit copies of On Site and Off Site Emergency Preparedness Plan duly accepted by competent authority.
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 include detailed water balance chart in EIA report along with quantities of waste water generation and its disposal.
6) PP to submit an affidavit for achieving Zero Liquid Discharge and not discharging any additional load on CETP or in any other source outside the limits of factory premises in case CETP is not capable of handling the effluent.
7) PP to include their plan for rain water harvesting in the EIA Report.

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.