

SEAC-1 Meeting

SEAC Meeting number: 141 th SEAC -1 Meeting Meeting Date August 19, 2017

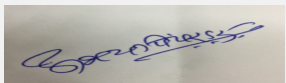
Subject: Environment Clearance for Kotgal Barrage Project For Irrigation purpose across the River Wainganga in Tahsil & District Gadchiroli Maharashtra

1.Name of Project	Kotgal Barrage Project For Irrigation purpose across the River Wainganga in Tahsil & District Gadchiroli Maharashtra
2.Type of institution	Government
3.Name of Project Proponent	M/s. Executive Engineer, Minor Irrigation Division, Chandrapur by Vidarbha Irrigation Development Corporation (VIDC), Nagpur, Chandrapur Irrigation Project Circle, Chandrapur
4.Name of Consultant	SMS Envocare Ltd. Pune Maharashtra
5.Type of project	Others (Barrage Project For Irrigation)
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Village and Panchayat Kotgal, Zilla Parishad Gadchiroli Post
9.Taluka	Gadchiroli
10.Village	Kotgal
11.Area of the project	Water Resource Department Government of Maharashtra
12.IOD/IOA/Concession/Plan Approval Number	MWRRA Approval (MWRRA/2009/PRCL/VIDC/57/477) dated 29/07/2011 IOD/IOA/Concession/Plan Approval Number: MWRRA Approval (MWRRA/2009/PRCL/VIDC/57/477) dated 29/07/2011 Approved Built-up Area: 7780
13.Note on the initiated work (If applicable)	No any work has initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MWRRA Approval (MWRRA/2009/PRCL/VIDC/57/477) dated 29/07/2011
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.): 7780
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	3657100000

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


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26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Not applicable where as required internal and excess road shall be developed with sufficient width
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	No demolition work involve with the proposed scheme

31.Production Details

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


32.Total Water Requirement

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


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Wet season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

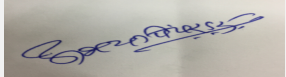
Details of Swimming pool (If any) Not applicable

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	NA	NA	NA	NA	NA	NA	NA	NA	NA


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

35.Storm water drainage	Natural water drainage pattern:	Not Applicable
	Quantity of storm water:	Not Applicable
	Size of SWD:	Not Applicable


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Sewage and Waste water	Sewage generation in KLD:	Not Applicable
	STP technology:	Not Applicable
	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:	The spoil material will be stored or dumped properly in safe place. The same will be used for filling and internal road development. No mining work is involved with the project. The average per capita solid waste generated will be of the order of about 250 gm./day/person. About 42.00 kg/day of Solid waste is expected to be generated by the construction labors.
	Disposal of the construction waste debris:	The spoil material will be stored or dumped properly in safe place. The same will be used for filling and internal road development. Adequate facilities for collection conveyance of domestic waste during construction shall be provided for safe disposal.
Waste generation in the operation Phase:	Dry waste:	Not applicable as this is a Barrage project for irrigation. Small quantity of domestic waste shall be generated by operation staff.
	Wet waste:	Not Applicable
	Hazardous waste:	Contaminated soil near DG sets and fuel storage area shall be generated
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	Dry waste:	Adequate facilities for collection of domestic waste during operation phase shall be provided for safe disposal.
	Wet waste:	Not applicable
	Hazardous waste:	Contaminated soil shall be stored separately and will be managed as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and MPCB direction
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not applicable
Area requirement:	Location(s):	Adequate space will be provided for storage of waste so handling of the same become easy
	Area for the storage of waste & other material:	As above
	Area for machinery:	Not applicable


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Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Cost for the Solid Waste management is included in proposed Environmental Management Cost for the project
	O & M cost:	O & M Cost is also included in proposed Environmental Management Cost for the project

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		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	No hazardous waste will be generated.	No hazardous waste will be generated.	No hazardous waste will be generated.	No hazardous waste will be generated.	No hazardous waste will be generated.	No hazardous waste will be generated.	No hazardous waste will be generated.

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 Sets	Required fuel shall be provided	1	3.5 m	75 mm	165


40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	Required fuel shall be provided	Required fuel shall be provided
41. Source of Fuel		Local Market		
42. Mode of Transportation of fuel to site		Required Vehicle shall be provided for transportation of fuel where as storage facility shall be provided		


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43.Green Belt Development	Total RG area :	Not applicable
	No of trees to be cut :	It shall be ensure not to remove tree of other vegetation. If very required, plant shall be removed scientifically so that can be replanted at another place for plantation
	Number of trees to be planted :	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place. All along the length of the inspection path shall be planted with avenue trees. Native fast growing tree species shall be provided. Avenue plantation can also considered for afforestation.
	List of proposed native trees :	Native fast growing plant species shall be planted as per suggestion by concerned forest department
	Timeline for completion of plantation :	Plantation will be done on regular basis and wherever required

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	Proper plantation including Tree, Shrubs ans small plants shall be planted at every available place and along with both the side of canal	Proper plantation including Tree, Shrubs ans small plants shall be planted at every available place and along with both the side of canal	Proper plantation including Tree, Shrubs ans small plants shall be planted at every available place and along with both the side of canal	Proper plantation including Tree, Shrubs ans small plants shall be planted at every available place and along with both the side of canal

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	Proper plantation including Tree, Shrubs ans small plants shall be planted at every available place and along with both the side of canal	Proper plantation including Tree, Shrubs ans small plants shall be planted at every available place and along with both the side of canal	Proper plantation including Tree, Shrubs ans small plants shall be planted at every available place and along with both the side of canal

47.Energy


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

48. Energy saving by non-conventional method:

Not applicable

49. Detail calculations & % of saving:

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

50. Details of pollution control Systems

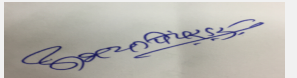
Source	Existing pollution control system	Proposed to be installed
Emission from Construction activities, handling of construction material and excavated debris	Not applicable	Regular water sprinkling shall be done. Transportation of construction material by closed trucks. Disposal of excavated material at safe place so as to be used during construction work, refilling and leveling of low land area.

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)
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1	Water sprinkling & Green belt development	Water sprinkling at all internal location and emission prone area. Green belt development shall be continue with construction activities	Cost of the same shall be included after detailed assessment in EIA/EMP report
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b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Catchment area treatment plan, Soil Conservation plan, Command area development plan, Green Belt development Plan, Biodiversity & Wild life conservation plan, Fisheries Development Plan, Muck management plan, Public Health Delivery plan, Sanitation & solid waste management plan, Restoration of quarry site etc.	Catchment area treatment plan, Soil Conservation plan, Command area development plan, Green Belt development Plan, Biodiversity & Wild life conservation plan, Fisheries Development Plan, Muck management plan, Public Health Delivery plan, Sanitation & solid waste management plan, Restoration of quarry site etc.	EMP cost shall be detailed in EIA/EMP Report after detailed assessment	O & M cost shall also be detailed in EIA/EMP Report after detailed assessment

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

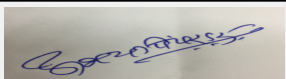
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available


53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Approach and internal road shall be developed for proper transportation of construction material during construction period. It shall be ensured to maintain existing road for transportation of material. Proper traffic arrangement shall be ensured to avoid the unwanted accidents during transportation.
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Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Not applicable
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Public Transport facility are available at approachable distance at Kotgal Village. Rajuli Railway Station is also located at 28.63 km distance
	Width of all Internal roads (m):	Required width shall be provided as per recommendation
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable. Whereas 56.86 ha of forest land shall be required to be diverted for which application has already made to Forest Appraisal Committee, MoEFCC
	Category as per schedule of EIA Notification sheet	Item 1 (c) "River Valley Projects" in EIA Notification, 14th September, 2006 and amendments thereafter
	Court cases pending if any	No applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	27-07-2017

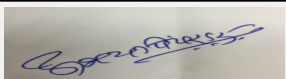
Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 1(c)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

Public hearing is applicable.


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

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


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DECISION OF SEAC

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

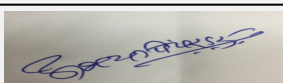
Specific Conditions by SEAC:

- 1) PP to obtain project approval from MWRRA Act - Clause 11(f)
- 2) PP to include impact of proposed activity on the existing ecosystem and biodiversity along with mitigation measures; PP to include the same in EIA report.
- 3) PP to include risk assessment, emergency planing and mitigation measures in the EMP report.
- 4) Soil and drainage survey report to be included in the EIA report. PP also to include Catchment Area Treatment, Soil Conservation measures, Muck Management, Health Management in the EIA Report.
- 5) PP to explore the possibility of developing green belt along the river sides and include the plan in EMP.
- 6) PP to submit their plan for operation and maintenance as per MWRRA Act Clause 11(d) and MMISF Act 2005 provisions.
- 7) PP to include their plan, methodology, mechanism and responsibility to maintain minimum ecological flow in the river in EIA report and cost required for maintenance to be included in the EMP.
- 8) PP to include social and economic impact of the project 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.

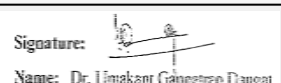
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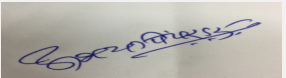
Subject: Environment Clearance for Proposed Synthetic Organic Chemical Plant

General Information: Venue: CSIR- National Chemical Laboratory (NCL)Guesthouse, Pashan Road, Pune- 411008,

1.Name of Project	Proposed Synthetic Organic Chemical Plant at Plot No. D-35, MIDC Kurkumbh Taluka Daund District Pune MS
2.Type of institution	Private
3.Name of Project Proponent	Dr. Vishnu b. Halnor
4.Name of Consultant	SMS Envocare Ltd Pune
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	NA
8.Location of the project	Plot No. D-35, MIDC Kurkumbh
9.Taluka	Daund
10.Village	Kurkumbh
11.Area of the project	U74999PN2014PTC150978
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: DE/KUR/Plan/B21919 Approved Built-up Area: 7303.50
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	DE/KUR/Plan/B21919 by Deputy Engineer, MIDC Sub Division, Kurkumbh
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	58300000


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	NA		
24.Number of expected residents / users	Not applicable		
25.Tenant density per hectare	Not applicable		


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26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	9.0 M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12.0 M
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	Telmisartan / Losartan	NA	0.50	0.50
2	Tizanidine Hydrochloride	NA	0.10	0.10
3	Adapalene	NA	0.002	0.002
4	Theobromine	NA	1.00	12.0
5	Salbutamol Sulphate	NA	1.00	1.00
6	Trioxalen	NA	0.025	0.025
7	Febuxostat	NA	0.25	0.25
8	Lornoxicam	NA	0.05	0.60
9	Linezolid	NA	0.25	0.25
10	Mesitylene Bis Bromide	NA	0.30	0.30
11	Salicylaldehyde Sodium Salt	NA	1.50	1.50
12	1-Benzopyran-2-one	NA	2.00	2.00
13	Milrinone	NA	0.05	0.05
14	Glimepiride	NA	0.10	0.10
15	Tiotropium Bromide	NA	0.05	0.05
16	Strontium Ranelate	NA	1.00	1.00
17	Phenylephrine	NA	2.00	2.00
18	Laboratory Reagents	NA	0.50	6

32.Total Water Requirement


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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)	NA	


33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	NA	2.00	2.00	NA	0.40	0.40	NA	1.6	1.6
Industrial Process	NA	4.00	4.00	NA	0.0	0.0	NA	4.00	4.00
Cooling tower & thermopack	NA	6.00	6.00	NA	2.00	2.00	NA	4.00	4.00
Gardening	NA	8.00	8.00	NA	8.00	8.00	NA	0.0	0.0


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	NA
	Size and no of RWH tank(s) and Quantity:	1 Nos (1.20 X2.0)
	Location of the RWH tank(s):	West Direction of plot
	Quantity of recharge pits:	NA
	Size of recharge pits :	1 Nos (1.20 X2.0)
	Budgetary allocation (Capital cost) :	Included in Total Cost of Project
	Budgetary allocation (O & M cost) :	Included in Total Cost of Project
	Details of UGT tanks if any :	165 KL
35.Storm water drainage	Natural water drainage pattern:	Towards North Direction
	Quantity of storm water:	NA
	Size of SWD:	NA
Sewage and Waste water	Sewage generation in KLD:	9.6
	STP technology:	Physico-chemical treatment & Biological Statement (Activated Sludge Process)
	Capacity of STP (CMD):	1 Nos of 10.0 KLD
	Location & area of the STP:	North West Direction of plot
	Budgetary allocation (Capital cost):	Included in Total Cost of Project
	Budgetary allocation (O & M cost):	Included in Total Cost of Project
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Metallic & Non metallic waste including domestic waste shall be generated
	Disposal of the construction waste debris:	Shall be sent to Authorized recycle agency
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:	Boiler Ash (300 Kg/hr), ETP Sludge (Chemical: 264 Biological: 66 Kg/month), Pd on Carbon (14 Kg/month), Solid Waste - Sodium Sulphate (93 14 Kg/month), Solid Waste - Hyflow (269 kg/month), Solid Waste - Activated Charcoal (276 kg/month),
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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:	All hazardous waste including ETP Sludge, Boiler Ash and process waste and other shall be sent to CHWTSDF and domestic waste shall be sent to Shall be sent to Authorized recycle agency
Area requirement:	Location(s):	8115.00 SQ. M (including all unit area and other facilities including green belt area, parking area and open area)
	Area for the storage of waste & other material:	As above
	Area for machinery:	As above
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	583.56 Lakhs
	O & M cost:	Included in Capital cost


37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	NA	5-9	6.5-8.5	5.5 to 9.0
2	BOD (3 days 27o C)	Mg/lit	200	<100	<30
3	COD	Mg/lit	800	<250	<250
4	Total suspended Solids	Mg/lit	200	<100	NA
5	TDS	Mg/lit	2000	2000	<2100
6	Oil & Grease	Mg/lit	20	<5	<10

Amount of effluent generation (CMD):	9.6 KLD
Capacity of the ETP:	10.0 KLD
Amount of treated effluent recycled :	10.0 KLD
Amount of water send to the CETP:	Remaining treated water after recycling, Gardening and other use, shall be sent to CETP for dilution.
Membership of CETP (if require):	Kurkumbh Environment Protection Co-Operative Society Maryadit (KEPCSM) as per Reference No. KEPCSM/VL/13/2016
Note on ETP technology to be used	Activated Sludge Process
Disposal of the ETP sludge	Sent to CHWTSDF


38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Ash From Boiler	NA	Kg/hr	NA	86.4	86.4	Sent to Brick Manufactures
2	ETP Sludge	NA	Kg/m	NA	330	330	Sent to CHWTSDF
3	Solid Waste - Sodium Sulphate	NA	Kg/m	NA	93	93	Sent to CHWTSDF
4	Solid Waste - Hyflow	NA	Kg/m	NA	269	269	Sent to CHWTSDF


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5	Solid Waste - Activated Charcoal	NA	Kg/m	NA	276	276	Sent to CHWTSDF
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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	Indian Coal	1	30	300 mm	51 0C
2	Boiler 1	Indian Coal	2	30	300 mm	51 0C
3	DG Set	HSD	3	5.5	0.2 m	78 0C

40.Details of Fuel to be used


Serial Number	Type of Fuel	Existing	Proposed	Total
1	Indian Coal	100 kg/hr	200 kg/hr	300 kg/hr
2	High Speed Diesel (HSD)	NA	as per requirement	as per requirement

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

43.Green Belt Development	Total RG area :	1688.95 sq. m.
	No of trees to be cut :	NA
	Number of trees to be planted :	400 Nos (Tree-275 & Shrubs-125)
	List of proposed native trees :	Black Board tree, Fry wood, Neem, White Cedar, Ashoka, Arjuna Tree, Neem, Silky grevillea, Pride of India, Kadam, Orchid Tree, Golden Shower tree and Indian beech
	Timeline for completion of plantation :	5 Years


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Alstonia scholaris	Black Board tree	30	Sulphur Dioxide Absorbing species
2	Albizia lebbeck	Fry wood	25	Sulphur Dioxide Absorbing species
3	Azadirachta indica	Neem	25	Sulphur Dioxide Absorbing species
4	Melia azedarach	White Cedar	20	Sulphur Dioxide Absorbing species
5	Polyalthia longifolia	Ashoka	25	Sulphur Dioxide Absorbing species
6	Terminalia arjuna	Arjuna Tree	25	Sulphur Dioxide Absorbing species
7	Terminalia arjuna	Arjuna Tree	25	Sulphur Dioxide Absorbing species
8	Grevillea pteridifolia	Silky grevillea	25	Reduce Noise Pollution
9	Lagerstroemia flosreginae	Pride of India	25	Suspended Pollutant controlling Plant/Other Ornamental plant
10	Anthocephalus cadamba	Kadam	25	Suspended Pollutant controlling Plant/Other Ornamental plant
11	Bauhinia purpurea	Orchid Tree	25	Suspended Pollutant controlling Plant/Other Ornamental plant
12	Cassia fistula	Golden Shower tree	25	Suspended Pollutant controlling Plant/Other Ornamental plant



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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	125 Shrubs species shall be planted as per availability of area	NA	NA
47.Energy			
Power requirement:	Source of power supply :	200 kVA power connection from MSEB	
	During Construction Phase: (Demand Load)	Shall be sourced from DG sets as per requirement	
	DG set as Power back-up during construction phase	Shall be sourced from DG sets as per requirement	
	During Operation phase (Connected load):	200 kVA power connection from MSEB	
	During Operation phase (Demand load):	200 kVA power connection from MSEB	
	Transformer:	200 kVA power connection from MSEB	
	DG set as Power back-up during operation phase:	DG set of 750 KVA.	
	Fuel used:	High Speed Diesel (HAD)	
	Details of high tension line passing through the plot if any:	200 kVA power connection from MSEB	
48.Energy saving by non-conventional method:			
Solar Panel shall be installed as per area available within the plant			
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	
Effluent Treatment Plant	NA	10 KLD Capacity	
Mechanical dust separator	NA	6000 M/hr	
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	583.56 Lakhs	
	O & M cost:	Included in Capital cost	
51.Environmental Management plan Budgetary Allocation			


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a) Construction phase (with Break-up):			
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water Sprinkling	NA	5.0

b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Ecology & Biodiversity	Green Belt Development	10.0	5.0
2	Solid & Hazardous Waste Management	Solid & Hazardous Waste Management	5.0	2.5
3	Water & Waste Water Management	Water & Waste Water Management	15.0	3.5
4	Air Pollution Management including instrumentation	Air Pollution Management including instrumentation	10.0	0.5
5	Occupational Health & Safety	Occupational Health & Safety	5.0	1.0
6	RWH & Miscellaneous Cost	RWH & Miscellaneous Cost	16.0	3.0
7	Environmental Monitoring	AAQM, NOISE, SOIL, WATER, Ecology & Biodiversity, Stack & ETP	NA	1.5

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Solvent Stored In Large Quantities	To be procured	Local & Indian market	Required Storage shall be provided as per MSDS	NA	39.26	Local & Indian market	By closed trucks
Hazardous Chemicals Stored In Small & Large Quantities	To be procured	Local & Indian market	Required Storage shall be provided as per MSDS	NA	103	Local & Indian market	By closed trucks
Common Non Hazardous Chemicals Stored In Small & Large Quantities	To be procured	Local & Indian market	Required Storage shall be provided as per MSDS	NA	27.7	Local & Indian market	By closed trucks

52.Any Other Information

No Information Available

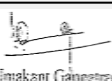
53.Traffic Management



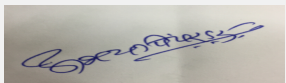
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	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	1014.00 sq.m
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	Connective Public transportation road availa
	Width of all Internal roads (m):	9.0 m with 12 m turning radius
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not within 10 km radius study area
	Category as per schedule of EIA Notification sheet	Category 5 (f) "Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates) as per EIA Notification, 2006
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	22-10-2016
Brief information of the project by SEAC		


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PP submitted their application for the grant of TOR to earlier SEAC-1 and obtained TOR in 131st meeting held on 15th and 16th July, 2016 under category 5(f)B1 as per EIA Notification, 2006. TOR was approved by earlier SEAC-1.

PP submitted their EIA reprot during 139th meeting of SEAC-1. During discussion committee observed that PP has not uploped the EIA report on the web site; in view of this committee expressed its inability to apprasie the proposal without study and asked PP to upload their EIA reprot on the website.

In 141st meeting th eproposal was appraised.

DECISION OF SEAC

SEAC-1 after deliberation decided to recommend the proposal to SEIAA for grant of prior Environment Clearance.


Specific Conditions by SEAC:

- 1) In last meeting PP was advised to replace Aluminium Chloride; PP informed that they have replaced Aluminium Chloride with Zinc Oxide. PP to upload revised EIA report.
- 2) PP to submit undertaking for achieving standard parameters for ETP outlet.
- 3) PP to take utmost care for the safety and health of the employees.

FINAL RECOMMENDATION

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

SEAC-AGENDA-0000000028


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SEAC-1 Meeting

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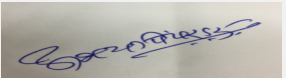
Subject: Environment Clearance for Highway project

1.Name of Project	Development of access controlled Nagpur-Mumbai Expressway from Jamtha (Nagpur District border km 00.00) to Pulgaon (Wardha District Border Km 89.405) in the state of Maharashtra
2.Type of institution	Government
3.Name of Project Proponent	Maharashtra State Road Development Corporation Ltd (MSRDC)
4.Name of Consultant	Building Environment India Pvt Ltd
5.Type of project	Highway Project
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	Not Applicable
8.Location of the project	Nagpur and Wardha District, Maharashtra
9.Taluka	Hingna, Seloo, Wardha, Arvi
10.Village	55 villages
11.Area of the project	Nagpur Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable IOD/IOA/Concession/Plan Approval Number: Not Applicable Approved Built-up Area:
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.)	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.):
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	40037000000

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)	


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27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	120
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	not applicable	not applicable	not applicable	not applicable


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) :	319000
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable


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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) :	319000
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

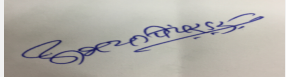
Details of Swimming pool (If any) Not applicable

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	--	--	--	--	--	--	--	--	--


34.Rain Water Harvesting (RWH)	Level of the Ground water table:	5 to 15.bgl in dry season
	Size and no of RWH tank(s) and Quantity:	0
	Location of the RWH tank(s):	0
	Quantity of recharge pits:	93
	Size of recharge pits :	0
	Budgetary allocation (Capital cost) :	0
	Budgetary allocation (O & M cost) :	0
	Details of UGT tanks if any :	-

35.Storm water drainage	Natural water drainage pattern:	-
	Quantity of storm water:	-
	Size of SWD:	-


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Sewage and Waste water	Sewage generation in KLD:	-
	STP technology:	-
	Capacity of STP (CMD):	5 STPs of 27 KLD
	Location & area of the STP:	Workers Camp Site
	Budgetary allocation (Capital cost):	-
	Budgetary allocation (O & M cost):	-

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:	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):	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	--	--	--	--	--
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			


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Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	NA
Disposal of the ETP sludge	NA

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	--	--	--	--	--	--	--

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	--	--	--	--	--	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	--	--	--	--

41.Source of Fuel Local Dealer

42.Mode of Transportation of fuel to site along the ROW

43.Green Belt Development	Total RG area :	NA
	No of trees to be cut :	37000
	Number of trees to be planted :	1,06,000 in three tier along the ROW
	List of proposed native trees :	incorporated in EIA
	Timeline for completion of plantation :	throughout construction period

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


Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	--	--	--	--

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



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Power requirement:	Source of power supply :	Local Authority		
	During Construction Phase: (Demand Load)	-		
	DG set as Power back-up during construction phase	-		
	During Operation phase (Connected load):	-		
	During Operation phase (Demand load):	-		
	Transformer:	-		
	DG set as Power back-up during operation phase:	-		
	Fuel used:	-		
	Details of high tension line passing through the plot if any:	-		
48. Energy saving by non-conventional method:				
-				
49. Detail calculations & % of saving:				
Serial Number	Energy Conservation Measures		Saving %	
1	--		--	
50. Details of pollution control Systems				
Source	Existing pollution control system		Proposed to be installed	
--	--		--	
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	333100000		
	O & M cost:	-		
51. Environmental Management plan Budgetary Allocation				
a) Construction phase (with Break-up):				
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)	
1	--	--	--	
b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	--	--	--	--
51. Storage of chemicals (inflamable/explosive/hazardous/toxic substances)				


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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
-	-	-	-	-	-	-	-

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:	-
	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:	-
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	12.5 km
	Category as per schedule of EIA Notification sheet	B
	Court cases pending if any	--
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes


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	Date of online submission	27-04-2016
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Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 7(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF& CC published in April, 2015 in the 128th meeting of SEAC for proposed project of access controlled Nagpur-Mumbai Expressway (Package I computing of road 89 km length from Jamtha to Pulgaon) and SEAC granted the TOR for the preparation of EIA/EMP reprot.

The committee noted that the entire project is divided into 5 packages 3 of which will require EC from Central EAC. ANY issue raised by the Central EAC w.r.t.the rproject should be informed to this committee, so that it can take cognizance of the same and if necessaryincorporate it as one of the TOR condition.

Now PP submitted EIA/EMP reprot for appraisal.

DECISION OF SEAC


SEAC-1 after deliberation decided to recommend the proposal to SEIAA for grant of prior Environment Clearance.

Specific Conditions by SEAC:

- 1) The entire project should be a 'net water surplus' project.PP should initiate water conservation measures involving rain water harvesting along the corridor so that water required for construction can be tapped from ground water reserves, after obtaining due permission from Government.
- 2) PP to take adequate measures for soil conservation, natural water drains and examine stability of slopes if any etc.
- 3) PP shall utilizethe natural resources in such a way that there will be no adverse impact on environment. PP to explore possibility to use fly ash, crush sand,metal slags, Rice Ash generated from steel industry for concretization.
- 4) PP shall take utmost care in storing the excavated material, construction waste; it shall not have adverse impact on adjacent farms, habitation etc.
- 5) PP shall ensure to provide noise barriers where habitation and sensitive ecosystem exists.
- 6) PP to obtain prior permission from competent authority to cut the tress or obtain permission of forest department where-ever required.
- 7) Where ever the road passes through forest areas PP to explore possibility to use upper pass instead of underpass.
- 8) PP to ensure to obtain raw material required for road construction like stones, sand etc, from the quarries having due approval from competent authority. If such material is planned to obtain through contractors the condition shall be incorporated in the contract agreement.
- 9) PP to ensure to include the conditions stipulated in the prior Environment Clearance letter in the contract agreement of the contractors,
- 10) PP to sue precoated steel instead of coating and painting on site.

FINAL RECOMMENDATION


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



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

SEAC-1 Meeting


SEAC Meeting number: 141 th SEAC -1 Meeting Meeting Date August 19, 2017

Subject: Environment Clearance for Amendment in EC letter for project by M/s Reichhold India Pvt. Ltd

1.Name of Project	Reichhold India Pvt. Ltd
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ravi Ranjan
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Industrial project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in EC letter received on dated 12th May 2017(SEAC-2016/C.R.424/TC-1)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	-
8.Location of the project	Plot No. F-38, MIDC - Ranjangaon
9.Taluka	Shirur
10.Village	Ranjangaon
11.Area of the project	MIDC - Ranjangaon
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: E.E.(C)/D28803/of 2016
	Approved Built-up Area: 9099.90
13.Note on the initiated work (If applicable)	7075.83 m2 as per previous EC dated 11th November 2010(SEAC-2010/CR.352/TC-2)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	39056 m2
16.Deductions	3905.6 m2
17.Net Plot area	35150.40 m2
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Existing: 7075.83 m2 & Proposed: 3492.50 m2
	b) Non FSI area (sq. m.): -
	c) Total BUA area (sq. m.): 10568.33
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	1247100000


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)			


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27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30 M Wide Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	-
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	Polyester Resins/Vinyl ester resin	977.5	2022.5	3000
2	Gelcoats	47.92	152.08	200
3	BP & Additives	117.5	182.5	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


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Wet season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	3.0	2.0	5.0	0.5	0.5	1.0	2.5	1.5	4.0
Industrial Process	0.05	0.05	0.10	0.0	0.0	0.0	0.05	0.05	0.10
Cooling tower & thermopack	7.6	6.6	14.2	5.6	5.6	11.2	0.0	0.0	0.0
Gardening	33.5	15.0	48.5	33.5	15.0	48.5	0.0	0.0	0.0

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	27 m BGL
	Size and no of RWH tank(s) and Quantity:	Storm Water Retention Tank: 1 No- 15m X 12m X 2m
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	45 Lakh
	Budgetary allocation (O & M cost) :	1.5 Lakh/Year
	Details of UGT tanks if any :	NA



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35.Storm water drainage	Natural water drainage pattern:	-
	Quantity of storm water:	360 m3
	Size of SWD:	600 mm dia
Sewage and Waste water	Sewage generation in KLD:	4.0
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No of 4 CMD
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	8.50 Lakh
	Budgetary allocation (O & M cost):	3.20 Lakh/Year
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:	NA
	Hazardous waste:	Refer Point No 30
	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:	Refer Point No 30
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	-
	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		


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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Physical	-	-	Liquid	-
2	Colour	-	-	Colourless	-
3	pH	-	-	1.45	>4 to <12
4	Density @ 270C	gm/cc	-	1.005	-
5	LOD(Loss on Drying) @1050C	%	-	99.8	<40 %
6	LOI(Loss on Ignition) @5500C	%	-	100.8	<20 %
7	Ash Contents @8500C	%	-	-	-
8	Calorific Value as on dry Basis(1050C)	Cal/gm	-	5220.5	<2500 cal/gm
9	Oil & Grease	mg/Ltr	-	3.0	<4.0 %
10	COD (Chemical Oxygen Demand)	mg/Ltr	-	192864	-
11	BOD (Biological oxygen Demand)	mg/Ltr	-	66000	-
12	TDS (Total Dissolved Solid)	mg/Ltr	-	7666	-
13	Sulphate as SO4	mg/Ltr	-	2.83	-
14	Chromium III Class B Schedule 2	mg/Kg	-	BDL	<5000 mg/kg
15	Lead Class B Schedule 2	mg/Kg	-	BDL	<5000 mg/kg
16	Nickel Class B Schedule 2	mg/Kg	-	0.94	<5000 mg/kg
17	Zinc Class C Schedule 2	mg/Kg	-	6.93	<20,000 mg/kg
18	Copper Class B Schedule 2	mg/Kg	-	1.43	<5000 mg/kg
19	Cadmium Class A Schedule 2	mg/Kg	-	0.26	<50 mg/kg
Amount of effluent generation (CMD):		2107.5 MT/Year			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		2107.5 MT/Year(Send to CHWTSDF for Incineration and onsite by Thermal Oxidizer)			
Membership of CETP (if require):		Membership No- MEPL/CRP008			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		NA			


38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Trade Effluent (Process Waste Water)	23.1	Kg/Year	702500	1405000	2107500	CHWTSDF and On site by TO
2	Containers/Drums	33.1	Nos./Year	8088	20220	28308	Sale to Authorized Reprocessor


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3	Discarded Bags	33.1	Kg/Year	61830	154575	216405	Sale to Authorized Reprocessor
4	Spent Oil / Waste residue containing oil	5.1/5.2	Kg/Year	700	1400	2100	Sale to Authorized Reprocessor
5	Absorbent with resin/ inert polyester resin	23.1	Kg/Year	50760	101520	152280	CHWTSDF
6	Wastes/Residues	23.2	kg/year	360	720	1080	CHWTSDF
7	Galled Resin	23.2	MT/year	36	72	108	CHWTSDF
8	E-Waste	-	kg/year	-	50	50	Authorized vendor
9	Process Filter bags,	33.1	kg/year	3650	7300	10950	CHWTSDF
10	Hazardous cotton waste	33.2	kg/year	1200	2400	3600	CHWTSDF
11	Filter cartridge of Air compressor, DG Engines, Fire Engine and Fork lifts	-	kg/year	100	200	300	CHWTSDF
12	Cartridge/Bottles of Restoline , Electrical spry , anti-corrosive spray	-	kg/year	5	10	15	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	Hot oil Heater 01 number	Refer Point No 32	S-1	30 m	0.35	368 0k
2	DG set-1500 KVA	Refer Point No 32	S-2	7.7m	0.33	598 0K
3	DG set-100 KVA	Refer Point No 32	S-6	5m	0.10	358 0K
4	Fire Pump 1	Refer Point No 32	S-3	3 m	0.10	3410K
5	Fire Pump 2	Refer Point No 32	S-4	3 m	0.10	339 0K
6	Fire Pump 3	Refer Point No 32	S-5	3 m	0.10	347 0K
7	Scrubber No 1	Refer Point No 32	S-7	2 m	0.30	316 0K
8	TO(Thermal Oxidizer)	Refer Point No 32	S-9	30 m	to be provided	to be provided
9	Scrubber No 2	Refer Point No 32	S-8	2 m	to be provided	to be provided
10	Scrubber No 3	Refer Point No 32	S-10	2 m	to be provided	to be provided

40.Details of Fuel to be used


Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	22000	36847	58847
2	LDO	22000	36841	58841
3	Nitrogen	9500	14900	24400
4	Natural Gas	20000 SCM	33488 SCM	53488 SCM

41.Source of Fuel

HSD- Bharat Petroleum Corporation Limited, Nitrogen-K Matheson, Natural Gas- MNGI


42.Mode of Transportation of fuel to site

By Roadway


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43.Green Belt Development	Total RG area :	7273 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	-
	List of proposed native trees :	-
	Timeline for completion of plantation :	Trees already planted: 938 Nos.

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)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	Existing power requirement:180000KWH , Proposed power requirement: 180500KWH
	During Operation phase (Demand load):	-
	Transformer:	-
	DG set as Power back-up during operation phase:	1500 KVA - 01 nos. & 100KVA-01 No.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

-

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	-	-


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50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	scrubbers, & ventilation system	scrubbers & ventilation system
Water	CHWTSDF	CHWTSDF & by Thermal Oxidizer
Noise	Adequate measures for control of noise levels will be implemented to maintain noise levels	Adequate measures for control of noise levels will be implemented to Maintain noise levels.
Solid Waste	CHWTSDF & Sale to Authorized Reprocessor	CHWTSDF & Sale to Authorized Reprocessor
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	-
	O & M cost:	-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

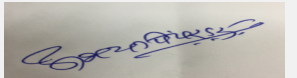
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	-	-	-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	-	25	6
2	Water Pollution Control	-	480	57
3	Storm Water & Piping	-	45	1.5
4	Environnemental Monitoring & management	-	0	1.2
5	Occupational Health	-	0	0.5
6	Green Belt	-	15	4.5
7	MEPL	-	0	300
8	STP	-	8.50	3.20


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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
COLORS, PIGMENTS	-	-	12500	200Nos. Drums	12.50	-	By Roadway
GLYCOLS	-	-	859097	SS 60 KL capacity - 2 Nos. Storage Tank & 200Nos. Drums	859.10	-	By Roadway


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MONOMERS-SOLVENTS	-	-	1343567	SS Storage Tank- 132 KL Capacity	1343.57	-	By Roadway
EPOXY	-	-	418725	SS 50 KL Storage Tanks- 1 No's	418.73	-	By Roadway
MMA	-	-	4146441464	SS 50 KL Storage Tanks- 1 No's	41.46	-	By Roadway

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:	NA
	Number and area of podia:	NA
	Total Parking area:	-
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	7.5 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)
	Court cases pending if any	NA
	Other Relevant Informations	NA


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	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	15-02-2016

Brief information of the project by SEAC

The proposal was considered by SEAC-1 in their 129th meetin held on 16th, 17th and 18th June, 2016 for expansion of manufacturing of Resins from 1142.92 MT/M to 2357.08 MT/M and recommended the proosal to SEIAA for prior Environment Clearence subject to the complianc of one of the condiiton as below,

"Scrubber shall be provided for halides"

SEIAA considered the proposal in their 111th meeting and granted prior Environment Clearance keeping above condition in their MoM. PP informed that they have submitted the complianc of above condition to SEIAA as below,

"The need of scrubber was recommended by SEAC-1 based on the Chloride levels in the process water, as the Chloride level in the process water is insignificant and the scrubber in this case is not requied"

The complianc of the PP was accepted by the SEIAA and issued prior Environment Clearance letter on 12th May, 2017.

DECISION OF SEAC

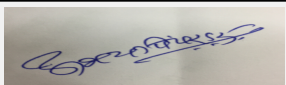
After detailed delibeations, it was observed that the condition of providing "scrubber to the halides" is not mentioned in the prior Environment Clearance letter dated 12th May 2017 which was brought to the notice of the PP.

In view of above discussion, PP requested to delist the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION


Kindly find SEAC decision above.



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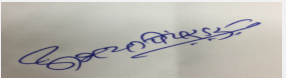
SEAC Meeting number: 141 th SEAC -1 Meeting Meeting Date August 19, 2017

Subject: Environment Clearance for Prior Environmental Clearance (ToR Approval) for Proposed Common Effluent Treatment Plant of 2000 CMD Capacity at Hinganghat Integrated Textile Park, Taluka Hinganghat, District Wardha MS

1.Name of Project	Proposed Common Effluent Treatment Plant of 2000 CMD Capacity at Hinganghat Integrated Textile Park, Taluka Hinganghat, District Wardha MS
2.Type of institution	Private
3.Name of Project Proponent	M/s. Hinganghat Integrated Textile Park Pvt. Ltd.
4.Name of Consultant	SMS Envocare Ltd. Pune
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	NA
8.Location of the project	Survey No: 168, 169, 170, 172, 179/1 & 179/2, Hinganghat Integrated Textile Park
9.Taluka	Hinganghat
10.Village	NA
11.Area of the project	Inspector General of Registration, District Wardha
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: U45201MH2015PTC262813 Approved Built-up Area: 1200.50
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.)	2667.1 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	57300000


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)			


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27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Enough Width of main excess road and internal road shall be provided with turning radius
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	NA	NA	NA	NA


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


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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)


NA

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	NA	9.4	9.4	NA	1.88	1.88	NA	7.5	7.5
Industrial Process	NA	3.0	3.0	NA	0.3	0.3	NA	2.7	2.7


34.Rain Water Harvesting (RWH)

Level of the Ground water table:	Required measures shall be adopted for Rainwater Harvesting
Size and no of RWH tank(s) and Quantity:	Required measures shall be adopted for Rainwater Harvesting
Location of the RWH tank(s):	Required measures shall be adopted for Rainwater Harvesting
Quantity of recharge pits:	Required measures shall be adopted for Rainwater Harvesting
Size of recharge pits :	Required measures shall be adopted for Rainwater Harvesting
Budgetary allocation (Capital cost) :	Cost of Rainwater Harvesting plan has been included in Total cost of the project
Budgetary allocation (O & M cost) :	Cost of O & M Rainwater Harvesting plan of has been included in Total cost of the project
Details of UGT tanks if any :	NA



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35.Storm water drainage	Natural water drainage pattern:	Proper drainage for Storm Water shall be provided with storage tanks
	Quantity of storm water:	Proper drainage for Storm Water shall be provided with storage tanks
	Size of SWD:	Proper drainage for Storm Water shall be provided with storage tanks
Sewage and Waste water	Sewage generation in KLD:	Whatever Effluent will be generated in entire Textile park shall be treated by proposed CETP project of total 2000 CMD capacity
	STP technology:	As above
	Capacity of STP (CMD):	CETP project of total 2000 CMD capacity
	Location & area of the STP:	As above
	Budgetary allocation (Capital cost):	Cost of the same has been included in Total cost of the project
	Budgetary allocation (O & M cost):	Cost of the same has been included in Total cost of the project
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Metallic and non metallic construction waste along with domestic solid waste
	Disposal of the construction waste debris:	All the waste shall be stored properly and shall be sent to authorized recycler
Waste generation in the operation Phase:	Dry waste:	Dry solids- 1631 kg/day
	Wet waste:	Decanter outlet-8153 kg/day
	Hazardous waste:	As above
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	As per Reply no. i & ii
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Sent to CHWTSDFs
	Wet waste:	Sent to CHWTSDFs
	Hazardous waste:	Sent to CHWTSDFs
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sent to CHWTSDFs
	Others if any:	NA
Area requirement:	Location(s):	Survey No: 168, 169, 170, 172, 179/1 & 179/2, Hinganghat Integrated Textile Park, Taluka: Hinganghat, District: Wardha MS
	Area for the storage of waste & other material:	Adequate waste storage and other material storage space has been secured while planning and designing of plant
	Area for machinery:	Adequate area has been identified in design for machinery
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Cost of the same is included in total cost the project
	O & M cost:	Cost of the same is included in total cost the project
37.Effluent Charecterestics		


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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	PH	NA	11-14	6.5 - 7.0	5.5 to 9.0
2	PH	NA	11-14	6.5 - 7.0	5.5 to 9.0
3	BOD 5 days 20 Deg C	mg/L	500	<30	<30
4	COD	mg/L	1500	<100	<250
Amount of effluent generation (CMD):		2000 CMD from Entire Integrated Textile Park			
Capacity of the ETP:		CETP of 2000 CMD Capacity			
Amount of treated effluent recycled :		CETP will be based on Zero Liquid Discharge (ZLD)			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		Collection & Equalization, Activated Sludge Biological System, Secondary Clarifier, pH Neutralization, EC Feed Pump, Electro Coagulation Process, Flash Mixer, Polymer Dosing System, EC Cleaning System, HRSC Clarifier, Pressure Sand Filter, Iron Removal Filter, ULTRA FILTRATION - PRE TREATMENT FOR RO PLANT, EFFLUENT RECYCLING PLANT - STAGE I EFFLUENT RECYCLING PLANT - STAGE II, EFFLUENT RECYCLING PLANT - STAGE III, EFFLUENT RECYCLING PLANT - STAGE IV, SLUDGE HANDLING, FINAL REJECT HANDLING inclu			
Disposal of the ETP sludge		Send to CHWTSDF			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	CETP Sludge	NA	KG per day	Na	9784	9784	Send to CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG SETS	HSD	1	5.5 to 6.0	0.3 m	78-80 0C


40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	as per requirement	as per requirement

41.Source of Fuel Local Market

42.Mode of Transportation of fuel to site Road Transport through small tankers

43.Green Belt Development	Total RG area :	NA
	No of trees to be cut :	NA
	Number of trees to be planted :	500 Nos (Tree-300 & Shrubs-200)
	List of proposed native trees :	Black Board tree, Fry wood, Neem, White Cedar, Ashoka, Arjuna Tree, Neem, Silky grevillea, Pride of India, Kadam, Orchid Tree, Golden Shower tree and Indian beech ect.
	Timeline for completion of plantation :	5 Years


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Alstonia scholaris	Black Board tree	40	Sulphur Dioxide Absorbing species
2	Albizia lebbek	Fry wood	30	Sulphur Dioxide Absorbing species
3	Ficus religiosa	Banyan Tree	35	Sulphur Dioxide Absorbing species
4	Terminalia arjuna	Arjuna Tree	35	Sulphur Dioxide Absorbing species
5	Grevillea ptehdifolia	Silky grevillea	35	Reduce Noise Pollution
6	Lagerstroemia flosreginae	Pride of India	30	Suspended Pollutant controlling Plant/Other Ornamental plant
7	Anthocephalus cadamba	Kadam	30	Suspended Pollutant controlling Plant/Other Ornamental plant
8	Bauhinia purpurea	Orchid Tree	30	Suspended Pollutant controlling Plant/Other Ornamental plant
9	Cassia fistula	Golden Shower tree	35	Suspended Pollutant controlling Plant/Other Ornamental plant

45. Total quantity of plants on ground


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

Serial Number	Name	C/C Distance	Area m2
1	Total 200 shrubs species shall be planted as available of space along with ground flora	NA	NA

47. Energy

Power requirement:	Source of power supply :	Connection from MSEDCL and DG Sets
	During Construction Phase: (Demand Load)	Required power shall be sourced from DG sets
	DG set as Power back-up during construction phase	As above
	During Operation phase (Connected load):	716.5 kW
	During Operation phase (Demand load):	419.4 kW
	Transformer:	Shall be installed at project site and will be connected with main line of MSEDCL
	DG set as Power back-up during operation phase:	DG sets of required capacity shall also be arranged as power backup
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:


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Solar panel at every electric polls shall be installed so as to reduce the conventional source of Electricity for road site lighting.

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 and Soil pollution by Construction activities and transportation of construction material and debris of construction activities	NA	Water Sprinkling, Greenbelt development and safe handling and storage of excavated soils. Use of excavated soil and debris material for leveling of land area

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Cost of the same is including with Capital cost of the project
	O & M cost:	Cost of the same is including with Capital cost of the project

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 and Soil pollution by Construction activities and transportation of construction material and debris of construction activities	NA	Approx 10.0 lakhs

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	Air Pollution Control- Green Belt Development	10.0	1.50
2	Environment monitoring and Management	NA	7.0	3.0
3	Occupational Health	Arrangement of Fire Hydrant system with PPEs	3.0	1.0
4	Solid waste management	Disposal of Hazardous waste to CHWTSDF	5.0	15
5	Other works	Other miscellaneous work	5.0	1.0


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




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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Caustic lye	NA	NA	Required space shall be provided for storage	Required space shall be provided for storage	3	Local Market	Through small trucks & tankers
Citric acid	NA	NA	Required space shall be provided for storage	Required space shall be provided for storage	49	Local Market	Through small trucks & tankers
EDTA	NA	NA	Required space shall be provided for storage	Required space shall be provided for storage	3	Local Market	Through small trucks & tankers
HCl	NA	NA	Required space shall be provided for storage	Required space shall be provided for storage	74.4	Local Market	Through small trucks & tankers
Anti- scalant	NA	NA	Required space shall be provided for storage	Required space shall be provided for storage	24.6	Local Market	Through small trucks & tankers
SMBS	NA	NA	Required space shall be provided for storage	Required space shall be provided for storage	20.5	Local Market	Through small trucks & tankers
Coagulant (Primary)	NA	NA	Required space shall be provided for storage	Required space shall be provided for storage	348	Local Market	Through small trucks & tankers
Polymer (Primary)	NA	NA	Required space shall be provided for storage	Required space shall be provided for storage	2.3	Local Market	Through small trucks & tankers
Polymer (Tertiary)	NA	NA	Required space shall be provided for storage	Required space shall be provided for storage	328	Local Market	Through small trucks & tankers


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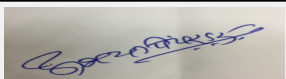
NaOCl (10%)	NA	NA	Required space shall be provided for storage	Required space shall be provided for storage	65	Local Market	Through small trucks & tankers
Polymer (Dewatering)	NA	NA	Required space shall be provided for storage	Required space shall be provided for storage	3.3	Local Market	Through small trucks & tankers

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:	Required area has been identified in designing of plant layout for parking.
	Area per car:	As above
	Area per car:	As above
	Number of 2-Wheelers as approved by competent authority:	As above
	Number of 4-Wheelers as approved by competent authority:	As above
	Public Transport:	Public transport facility is available within approachable distance
	Width of all Internal roads (m):	Required width of road has been provided along with turning radius and also approved by concerned authority
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not within 5 km study area
	Category as per schedule of EIA Notification sheet	Category 7 (h) "Common Effluent Treatment Plants" as per EIA Notification, 2006
	Court cases pending if any	NA
	Other Relevant Informations	NA


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	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	04-11-2016

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 7(h)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF& CC published in April, 2015.

PP made presentation for the TOR based on Model TOR issued by MoEF&CC for proposed CETP of 2000 CMD capacity at Hinganghat Integrated Textile Park.

The textile park is having 11 different units from ginning to finished garments.

DECISION OF SEAC

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

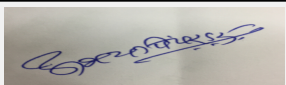
Public Hearing is applicable as per EIA Notification, 2006.

Specific Conditions by SEAC:

- 1) PP to submit registration certificate of the Textile Park along with memorandum of article.
- 2) PP to submit approved layout plan showing internal road width of six meters, turning radius of nine meters, 33% green belt, Parking areas, waste storage areas etc.
- 3) PP to carry out three row road side plantation.
- 4) PP to submit design details of CETP and also to submit third party approval for the design of CETP from recognized institute like NEERI, IIT etc.
- 5) PP to obtain membership of CHWTSDF Butibori for the disposal of waste.
- 6) PP to submit detailed water balance table unit wise, material balance of units and source of waste water generation with characterization of effluent.
- 7) Though the application is limited to CETP on the plot but PP to submit their plan for control of pollution like air, water, soil etc. in the EIA report.
- 8) PP to make an agreement with individual units specifying the standard parameters to be discharged at inlet of CETP as per design.

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.



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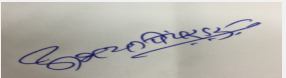
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Subject: Environment Clearance for • Capacity Expansion of Existing Products & By-products, Additional of Similar Products & By Products, Introduction of New Eco Friendly Biomass Boiler, Addition of Adjacent MIDC plot and Change in Name

1.Name of Project	ETERNIS Fine Chemicals Limited
2.Type of institution	Private
3.Name of Project Proponent	Mr KP Sureshan
4.Name of Consultant	ULTRA TECH Environment Consultancy & Laboratory, NABET Accrediated Consulting Organization, NABET Certificate No: NABET/EIA/1417/SA 0011
5.Type of project	Industrial Estate
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion and Name Change
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	YES
8.Location of the project	Plot No: D-9/1, D-9/2 , D 15 and D-9/3
9.Taluka	Daund
10.Village	Kurkumbh
11.Area of the project	MIDC Area
12.IOD/IOA/Concession/Plan Approval Number	D54489 dated 25/10/2016 IOD/IOA/Concession/Plan Approval Number: D54489 dated 25/10/2016 Approved Built-up Area: 31328
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.)	1,04,917 m ²
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.): 55000
19.Total ground coverage (m ²)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	1000000000


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	Floating Population (500 app.)		
25.Tenant density per hectare	Not applicable		


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26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	24 meters
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 meters
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	Existing :Para /Ortho Tertiary Butyl Cyclohexanol & Para /Ortho Tertiary Butyl Cyclohexyl Acetate & Para /Ortho Tertiary Butyl Cyclohexyl Acetate Super (PTBCHA/OTBCHA),Styrallyl Acetate,Benzyl Salicylate,3,3,5 Trimethyl Cyclohexanol,3,3,5 Trimethyl Cyclohexyl Salicylate or Homosalate USP ,Methyl-3-oxo-2-pentyl-1-cyclopentane acetate / Methyl Dihydro Jasmonate/ Methyl Dihydro Jasmonate - High Cis,Hamber,Hydrogen	2250	0	2250
2	from existing 3 (proposed) Ortho tertiary butyl cyclohexanol, Ortho tertiary butyl cyclohexyl acetate & Ortho tertiary butyl cyclohexyl acetate - s,Para teritary butyl cyclohexyl acetate ,	0	345	345
3	Existing : 3-methyl-3 penten-2 one or Methyl Pentene One, Hexyl Salicylate,Alpha Hexyl Cinnamaldehyde and OR Hexyl Cinnamic Aldehyde (HCA),PHENYL ETHYL ALCOHOL OR BETA PHENYL ETHYL ALCOHOL/ PHENYL ETHYL ACETATE / PHENYL ETHYL METHYL ETHER / METHOXY ETHYL PHENOL,Vanillin / Ethyl Vanillin	1267	0	1267
4	Proposed : Para tertiary butyl cyclohexanol, Hedione - high cis, ,Phenyl hexanol, Dihydromyrcenol, Florosol,Cyclademol,Water melon ketone, Osyrol,Cashmeran, Tetrahydromyrcenol,Para tertiary butyl cyclohexanone,Ortho tertiary butyl cyclohexanone.	0	322	322
5	Proposed : Cyclamen aldehyde, Phenyl ethylacetate,Coniferan,2-hydroxy benzaldehyde or ortho hydroxyl benzaldehyde,Amly salicylate,Hexyl acetate,Aphermate,	0	458	458
6	Proposed :Coumarin,Phenyl ethyl methyl ether,Gamma lactones (undeca,deca, nona),	0	358	358
7	TOTAL	3517	1483	5000
8	By Product : Existing: Dilute Acetic Acid,Low Purity Distilled Products,Spent Oil/ Lube Oil, carbon powder,Technical Grade OT/STAC/Benzyl Salicylate/Hamber/ Hexyl Salicylate, HCA,PEA,Vanillin/ Similar Products,Recovered Methanol, Recovered PE-PCP Mixture,Sodium Sulphate	950	0	950


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9	Proposed : Dilute Acids, Low Purity Distilled Products, Technical Grade OT/PT/ STAC/Benzyl Salicylate /3,3,5 Trimethyl Cyclohexonal/ 3,3,5 Trimethyl Cyclohexyl Salicylate/ Coumarin/ Hamber / MPO (3-methyl-3 penten-2 one)/ n-Hexyl Salicylate/ Hexyl Cinnamic Aldehyde (HCA)/ phenyl ethyl alcohol or beta phenyl ethyl alcohol/para tertiary butyl cyclohexanol, Hedione - high cis, Phenyl hexanol, Dihydromyrcenol, Florosol, Cyclademol, Water melon ketone, Osyrol, Cashmeran, Tetrahydromyrcenol/Para tertiary butyl cyclohexanone, Ortho tertiary butylcyclohexanone. Cyclamen aldehyde, Phenyl ethylacetate, Coniferan, 2-hydroxy benzaldehyde or ortho hydroxyl benzaldehyde, Amyl salicylate, Hexyl acetate, Aphermate, Iso cyclocitral, Rosamusk, Cyclo hexyl ethyl acetate, Styrallyl propionate/ Coumarin, Phenyl ethyl methyl ether, Gamma lactones (undeca, deca, nona), Galaxolide, Rosinile, Dihydrocoumarin, Octahydrocoumarin., Recovered Solvents, Recovered PE-PCP Mixture, Recovered Salt	0	717	717
10	TOTAL	950	717	1667

32. Total Water Requirement

Dry season:	Source of water	MIDC
	Fresh water (CMD):	707
	Recycled water - Flushing (CMD):	420
	Recycled water - Gardening (CMD):	33
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	1159
	Fire fighting - Underground water tank (CMD):	600
	Fire fighting - Overhead water tank (CMD):	Not applicable
	Excess treated water	Not applicable


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Wet season:	Source of water	MIDC
	Fresh water (CMD):	707
	Recycled water - Flushing (CMD):	420
	Recycled water - Gardening (CMD):	33
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	1159
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

Details of Swimming pool (If any) Not applicable

33.Details of Total water consumed


Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	8	27	35	0.5	1.5	2	7.5	25.5	33
Industrial Process	80	280	360	0	3	3	103	244	347
Cooling tower & thermopack	210	6	216	210	6	216	0	40	40
Gardening	10	60	70	10	60	70	0	0	0

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	40 m
	Size and no of RWH tank(s) and Quantity:	250 cum
	Location of the RWH tank(s):	South West Corner of the Site
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	INR 2750000 (already installed)
	Budgetary allocation (O & M cost) :	INR 250000
	Details of UGT tanks if any :	Fire Water Tank = 450 cum (existing), MIDC water tank = 200 cum



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35.Storm water drainage	Natural water drainage pattern:	North to South
	Quantity of storm water:	100 cum
	Size of SWD:	500 mm
Sewage and Waste water	Sewage generation in KLD:	33
	STP technology:	Conventional
	Capacity of STP (CMD):	1 number & 35 KL
	Location & area of the STP:	As shown in master layout - 50 sqm
	Budgetary allocation (Capital cost):	INR 1500000 (already installed)
	Budgetary allocation (O & M cost):	INR 150000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	25 kg/day
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	Dry waste:	37.84 TPD
	Wet waste:	100 kg/day
	Hazardous waste:	(1) 35.3 Chemical Sludge from Waste Water Treatment = 0.3 TPD, (2) 36.1 Distillation Residue = 6.6 TPD, (3) 5.1/5.2 Spent Oil = 0.6 TPD, (4) 20.2 Spent Solvent = 0.15 TPD, (5) 35.2 Spent Ion Exchange resins = 0.0018 TPD, (6) Process Waste = 0.13 TPD, (7). 15.1 Discarded Asbestos = 0.04 TPD , (8) 33.1 Empty barrels, containers/ liners = 0.24 TPD
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	4 kg/day
	Others if any:	Not Applicable
Mode of Disposal of waste:	Dry waste:	Send to Authorized Recycler
	Wet waste:	Will be treated Organic Waste Convertor
	Hazardous waste:	Send to authorized vendor
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Used as manure for gardening
	Others if any:	Not applicable
Area requirement:	Location(s):	As shown in master layout
	Area for the storage of waste & other material:	28 sqm
	Area for machinery:	Not applicable


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Budgetary allocation (Capital cost and O&M cost):	Capital cost:	INR 500000
	O & M cost:	INR 150000

37. Effluent Characteristics


Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	--	6-8	6.5-8.5	6-9
2	BOD	ppm	3600	30	25
3	COD	ppm	4500-7000	250	250
4	TDS	ppm	1000	1000	2100
Amount of effluent generation (CMD):		420			
Capacity of the ETP:		480 CMD			
Amount of treated effluent recycled :		420 CMD			
Amount of water send to the CETP:		0			
Membership of CETP (if require):		Available			
Note on ETP technology to be used		Conventional Type			
Disposal of the ETP sludge		To authorized vendor			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical Sludge from Waste Water Treatment	35.3	TPD	0.16	0.14	0.30	Send to authorized party
2	Distillation Residue	36.1	TPD	0.1	6.5	6.6	Sale
3	Spent oil	5.1/5.2	TPD	0.15	0.45	0.60	Send to authorized party
4	Spent Solvents	20.2	TPD	0	0.5	0.5	Send to authorized party
5	Spent Ion Exchange resins	35.2	TPD	0	0.0018	0.0018	Send to authorized party
6	Process waste	20.4	TPD	4.5	0.13	4.63	Send to authorized party
7	Discarded Asbestos	15.2	TPD	0	0.04	0.04	Send to authorized party
8	Empty barrels, containers/ liners	33.1	TPD	0	0.24	0.24	Send to authorized party


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 : IBR Boiler Balsam Plant 4.5 TPH	FO = 140 litre/hr	S-1	33	500mm	120 deg C
2	Existing :IBR Boiler Hedione 4.5 TPH	FO = 140 litre/hr	S-2	33	500 mm	121 deg C
3	Existing :Thermic Fluid Heater Supermax Pilot Plant	Diesel = 6 litre/hr	S-3	33	400 mm	121 deg C
4	Existing : IBR Hamber Plant 2.5 TPH	FO = 100 litre/hr	S-4	33	500 mm	120 deg C


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5	Existing :IBR Boiler Hamber Plant 4.5 TPH	FO = 140 litre/hr	S-6	33	500mm	121 deg C
6	Existing :IBR Boiler MPO 2.5 TPH	FO = 100 litre/hr	S-7	33	500 mm	123 deg C
7	Existing :Vapor Heater Dowtherm HCA	FO = 15 litre/hr	S-5	33	500 mm	123 deg C
8	Proposed : Vapor Heater Dowtherm x 2	FO = 30 litres	S-22	33	500 mm	120 deg C
9	Proposed :Vapor Heater Dowtherm	FO = 15 litres	S-22	33	500 mm	120 deg C
10	Existing : DG 100 KVA , 160 KVA, 250 KVA x 2 nos.,500 KVA x 6 nos.	Diesel = 450 litres/day	S-8,9,10,11,12,22, 13,14,15 & S 18	3,3,5,5,3,5,2,5,5,5 & 5	--	100 deg C
11	Proposed : Brequitee Boilers	Biomass Briquettes=80 Tonnes/day	S- 16	33	1000 mm	122 deg C
12	Proposed : 4 x 500 KVA	Diesel = 400 litres/day	S 17, S 25, S 23, S24	5	--	100 deg C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Proposed:Biomass Briquettes	0	26280 TPY	26280 TPY
2	Existing:HSD	600 TPY	250 TPY	850TPY
3	Existing:Furnace Oil	4380 TPY	Standby for make up steam	4380 TPY for make up steam
4	Existing:LDO	150 TPY	Standby	150 TPY

41.Source of Fuel Authorized Vendors

42.Mode of Transportation of fuel to site By Road

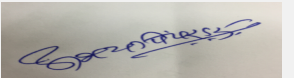
43.Green Belt Development	Total RG area :	Existing:24882 sqm+ proposed :8250 sqm=33132 sqm
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	Existing Trees planted:1000 +Proposed Trees to be planted:1000=2000 no of trees
	List of proposed native trees :	As given in the list below
	Timeline for completion of plantation :	Till the 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	Delonix regia	Gulmohor	300	Flower bearing tree
2	Saraca asoca	Ashoka	300	Medicinal importance
3	Pongamia pinnata	Karanj	200	source of biodiesel
4	Bombax ceiba	Shevari	200	Medicinal Plant
5	Total	--	1000	--


45.Total quantity of plants on ground

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


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Serial Number	Name	C/C Distance	Area m2
1	Lantena	200 mm	500

47. Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	20 kW
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	5604 kW
	During Operation phase (Demand load):	4500 kW
	Transformer:	1 x 1000 kVA , 1 x 750 kVA, 1 x 2000kVA, 1 x 360 kVA
	DG set as Power back-up during operation phase:	1 x 100 kVA, 1 x 160 kVA, 2 x 250kVA, 10 x 500 KVA (6 Existing and 4 proposed)
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48. Energy saving by non-conventional method:

Provision of solar panel at site.

49. Detail calculations & % of saving:

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

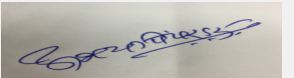
50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Conventional Type STP	Conventional Type STP
OWC	NA	Organic Waste Converter for canteen waste
ETP	Conventional Type	Biotower
DG sets	Aquostic Hood Provision	Aquostic Hood Provision
Scrubber	Water Type	As per scrubbing media
Cyclone Filters	Filter Bags	Filter bags with ESP

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 5 Lakhs
	O & M cost:	Rs 0.50 Lakhs/annum


51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):


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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water For Dust Suppression	1.44
2	Air	Water For Dust Suppression	0.48
3	Water	Tanker water for construction	6.0
4	Water	water Monitoring	0.6
5	Land	Site Sanitation	4.8
6	Biological	Gardening Set Up and top soil preservation	3.3
7	Socio- Economic Environment	Disinfection	0.18
8	Socio- Economic Environment	First Aid Facility	0.6
9	Socio- Economic Environment	Health Check up	0.2
10	Socio- Economic Environment	Creches for children	3.0
11	Personal Protective Equipment	Personal Protective equipment	1.2
12	total	--	21.79

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Emission control	Stack	--	--
2	water and waste water management	ETP	100000000	25000000
3	Solid waste	OWC	500000	150000
4	Green Belt development	Landscaping	1000000	300000
5	Monitoring	MoEF &CC	1500000	3000000
6	Environmental Cell and PR	--	NA	NA
7	RWH Tanks	--	25000000	250000
8	Costing for Drain connection	--	20000000	2000000

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Existing :Acetaldehyde	Liquid	As per the layout	60	48	170	Approved vendor	Road
Existing :Methanol	Liquid	As per layout	300	150	270	Approved vendor	Road


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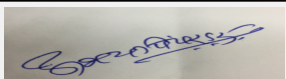
Proposed :Methanol	Liquid	As per layout	200	100	270	Approved vendor	Road
Proposed: Hydrochloric Acid: (30%)	Liquid	As per layout	25 x 1, 15 x2, 2 x1	42	350	Approved vendor	Road

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:	10000 sqm
	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):	9m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 kms
	Category as per schedule of EIA Notification sheet	5(f) Category B
	Court cases pending if any	NA
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-


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Brief information of the project by SEAC

DECISION OF SEAC

During discussion PP informed that they have obtained TOR approval in the 123rd meeting of SEAC-1 held on 11th & 12th March 2016 and now PP submitted the EIA reprot.


It was brought to the notice of PP that they have uploaded the EIA reprot on 14th August 2017 and the expert members could not study in such a short time. Hence SEAC-1 decided to defer the proposal in this meeting and will be considered in ensuing meeting.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

SEAC-AGENDA-0000000028



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SEAC-1 Meeting

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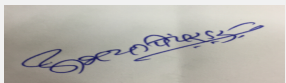
Subject: Environment Clearance for Construction of 2 No. X 3415 KL Bio-diesel tank (Excluded Petroleum Product) and Construction of 1 No. X 858 KL Ethanol tank (Class-A Product)

1.Name of Project	Construction of 2 No. X 3415 KL Bio-diesel tank (Excluded Petroleum Product) and Construction of 1 No. X 858 KL Ethanol tank (Class-A Product)
2.Type of institution	Semi Government
3.Name of Project Proponent	Bharat Petroleum Corporation Limited
4.Name of Consultant	Ultra-Tech Environmental Consultancy and Laboratory
5.Type of project	Industrial Estate
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	This plant was commissioned before 1994 so no EC was applicable under EIA notification 1994
8.Location of the project	Bharat Petroleum Corporation Limited, Sewree Benzine Installation, Sewree Fort Road, Sewree-East, Mumbai
9.Taluka	Mumbai
10.Village	Sewree
11.Area of the project	Brihanmumbai municipal corporation
12.IOD/IOA/Concession/Plan Approval Number	PESO Nagpur
	IOD/IOA/Concession/Plan Approval Number: PESO Nagpur
	Approved Built-up Area: 57047.99
13.Note on the initiated work (If applicable)	not initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	303514 m2
16.Deductions	11519.06 m2
17.Net Plot area	291994.94 m2
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.):
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	170100000

22.Number of buildings & its configuration


Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tank 30 (Sewree Benzene)	Revamp	15
2	Tank 31(Sewree Benzene)	Revamp	15
3	Tank 23 (Sewree Khau Creek)	Remove	12.49
4	Tank 25 (Sewree Khau Creek)	Revamp	10.55

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable


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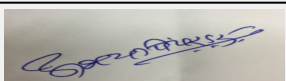
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Worli station around 4.10 Km away from project site
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	33 tanks installed on site already
30.Details of the demolition with disposal (If applicable)	Dismantling of 3 tanks to install new tanks

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NOT applicable	NOT applicable	Not applicable	NOT applicable


32.Total Water Requirement

Dry season:	Source of water	Municipal Corporation
	Fresh water (CMD):	5
	Recycled water - Flushing (CMD):	6
	Recycled water - Gardening (CMD):	404
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	416
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable


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Wet season:	Source of water	Municipal Corporation
	Fresh water (CMD):	5
	Recycled water - Flushing (CMD):	6
	Recycled water - Gardening (CMD):	404
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	416
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Fresh water requirement	5	0	5	0	0	0	4	0	4
Domestic	6	0	6	0	0	0	6	0	6

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	3 mtr BGL
	Size and no of RWH tank(s) and Quantity:	not applicable
	Location of the RWH tank(s):	not applicable
	Quantity of recharge pits:	not applicable
	Size of recharge pits :	not applicable
	Budgetary allocation (Capital cost) :	not applicable
	Budgetary allocation (O & M cost) :	not applicable
	Details of UGT tanks if any :	not applicable



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35.Storm water drainage	Natural water drainage pattern:	Rectangular patterns
	Quantity of storm water:	5000 KL
	Size of SWD:	350mmX700mm along the periphery of installation
Sewage and Waste water	Sewage generation in KLD:	10
	STP technology:	Sewage generated from domestic sources will be treated in septic tank and overflow connected to Municipal line
	Capacity of STP (CMD):	not any
	Location & area of the STP:	not any
	Budgetary allocation (Capital cost):	0
	Budgetary allocation (O & M cost):	0
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	37.5 kg/day
	Disposal of the construction waste debris:	handed over to authorized vendors
Waste generation in the operation Phase:	Dry waste:	44
	Wet waste:	19
	Hazardous waste:	sludge from cleaning of petroleum tanks (approx 500 L) , Waste Oil from OWS, Vehicles, DG etc (1 m3/ Year) oily rags (5 kg/year)
	Biomedical waste (If applicable):	not any
	STP Sludge (Dry sludge):	0
	Others if any:	0
Mode of Disposal of waste:	Dry waste:	authorized contractor
	Wet waste:	authorized contractor
	Hazardous waste:	Sale to authorized party approved by MPCB and CHWTSDF
	Biomedical waste (If applicable):	not any
	STP Sludge (Dry sludge):	not any
	Others if any:	not any
Area requirement:	Location(s):	0
	Area for the storage of waste & other material:	0
	Area for machinery:	0
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	0
	O & M cost:	0
37.Effluent Charecterestics		


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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	0	0	0	0	0
Amount of effluent generation (CMD):		005			
Capacity of the ETP:		Oil Water Separator of 120 m3/hr			
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	Used/ Spent Oil	5.1	MTA	0.6	0	0.6	authorized MPCB vendor

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	5 DG set	HSD-200L/Engine on an average	5	6	0.15	105

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	18 MTA	0	18 MTA

41.Source of Fuel In-house



42.Mode of Transportation of fuel to site within site

43.Green Belt Development	Total RG area :	80937.1
	No of trees to be cut :	Nil
	Number of trees to be planted :	150 already done
	List of proposed native trees :	Ficus Benjamina
	Timeline for completion of plantation :	--

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ficus Benjamina	Weeping Fig	50	evergreen tree with a dense, wide crown; it can grow 15 - 30 metres tall

45.Total quantity of plants on ground

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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 :	BEST ((Brihan mumbai Electric Supply and Transport)
	During Construction Phase: (Demand Load)	236 KVA
	DG set as Power back-up during construction phase	250 KVA
	During Operation phase (Connected load):	300 KVA
	During Operation phase (Demand load):	380 KVA
	Transformer:	NA
	DG set as Power back-up during operation phase:	Yes
	Fuel used:	HSD
Details of high tension line passing through the plot if any:	NA	

48.Energy saving by non-conventional method:

HPSV lights to LED lights

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Replaced 250 watts HPSV yard lights to 100 watts LED lights - 100 no.	-
2	Replaced 400 watts HPSV yard lights to 100 watts LED lights- 100 no.	-
3	Replaced 36 watt tube light with 22 watt LED light - 100 no	-
4	Replaced 800 watts HPSV lights in high mast tower with 280 watts LEP light	-


50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Soak pit and septic tank	connected to Municipal Line	NA
DG set	Stack	NA
Oil water separator system	120 m3/hr already present	NA


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Budgetary allocation (Capital cost and O&M cost):	Capital cost:	1500000
	O & M cost:	15000 per annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Not applicable	Not applicable	Not applicable

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Shed and Structures	-	72	1.2
2	Product and Storage Tanks	-	215	3.5
3	Process Piping	-	419	2.00
4	Fire Fighting Facilities	-	287	1.50
5	Electrical System	-	95	1.00
6	Allied Facilities	-	613	4.00

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


Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Ethanol	Proposed	As per layout	1X858 KL	2193 KL	2.5	State Suppliers	Tank lorry
Biodiesel	Proposed	As per layout	2X3415 KL	6830 KL	6.2	State Suppliers	Tank lorry

52.Any Other Information

No Information Available


53.Traffic Management

Nos. of the junction to the main road & design of confluence:	2
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Parking details:	Number and area of basement:	0
	Number and area of podia:	0
	Total Parking area:	5525
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	22
	Number of 4-Wheelers as approved by competent authority:	26
	Public Transport:	--
	Width of all Internal roads (m):	-
CRZ/ RRZ clearance obtain, if any:	Yes , CRZ applicable	
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	not any	
Category as per schedule of EIA Notification sheet	6 b	
Court cases pending if any	not any	
Other Relevant Informations	ToR was received for the project in 127 SEAC I.	
Have you previously submitted Application online on MOEF Website.	No	
Date of online submission	-	
Brief information of the project by SEAC		
<p>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 in the 127th meeting of SEAC and SEAC granted the TOR to construct 3 new product storage tanks and associated facilities for storage and handling of Ethanol at Sewree Wadala. The proposal envisages installing 1x858 KL of Ethanol and 2x3415 KL bio-dieseltank by dismantling old tanks.</p> <p>PP conducted Public Hearing on 8th June,2017.</p>		
DECISION OF SEAC		


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(Chairman SEAC-I)**

SEAC-1 after deliberation decided to recommend the proposal to SEIAA for grant of prior Environment Clearance.

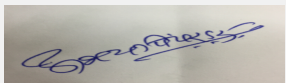
Specific Conditions by SEAC:

- 1) PP to submit stability certificate of the foundations of the proposed tanks.
- 2) PP to submit an undertaking that no mangroves will be affected due to proposed activity and complacence of CRZ conditions.
- 3) PP to install STP for the treatment of domestic sewage before discharging in the common sewer drain.
- 4) PP to take utmost care to avoid any sabotage and safety and health of the employees and habitation around.
- 5) PP to carry out monitoring of VOC's as stipulated by CPCB or competent authority.

FINAL RECOMMENDATION


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

SEAC-AGENDA-00000000028


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

**SEAC Meeting No: 141 th SEAC -1 Meeting
Meeting Date: August 19, 2017**

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