157th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 157th Day-2 **Meeting Date** November 3, 2018

Subject: Environment Clearance for Expansion of synthetic organic chemical intermediates manufacturing unit of M/s Kalpsutra Chemicals Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	M/s Kalpsutra Chemicals Pvt. Ltd.
2.Type of institution	TOR
3.Name of Project Proponent	Mr. Niranjan Sachade
4.Name of Consultant	M/s Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Industrial
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	EC Letter vide No. SEAC-2015/CR-169/TC-2 dated 28th Jan'16 for product quantity 510 tons/month
8.Location of the project	Plot – M-12, MIDC Additional Zone
9.Taluka	Ambarnath
10.Village	Ambarnath
Correspondence Name:	Mr. Niranjan Sachade
Room Number:	Plot No. – M-12, MIDC Additional Zone
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	Additional MIDC
City:	Ambarnath
11.Area of the project	Maharashtra Industrial Corporation Development
12.IOD/IOA/Concession/Plan Approval Number	Comes under Judiciary of MIDC; Approval No. EE/AMB/M-12/C-70180/of 2018 dated 09 Aug'18
	IOD/IOA/Concession/Plan Approval Number: EE/AMB/M-12/C-70180/of 2018
	Approved Built-up Area: 7526.74
13.Note on the initiated work (If applicable)	Construction has been completed as per previous EC received vide no. SEAC-2015/CR-169/TC-2 dated 28th Jan'16.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	11,000 m2
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 7526.74
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 09-08-2018
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	262000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Ambarnath Fire Station (6m)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Radius - 9m; Road Width - 6m
29.Existing structure (s) if any	Construction has been done as per previous EC received vide no. SEAC – 2015/CR-169/TC-2 dated – 28 January, 2018
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	Isobornyl Cyclohexanol	300	--	300
2	Isocamphyl Cyclohexanol	100	150	250
3	Sandalum	5	--	5
4	Kalpantal	5	--	5
5	Citronellal	25	--	25
6	Citronellol	50	--	50
7	Para tert. Butyl Cyclohexanol	25	--	25
8	Isobornyl Acetate	--	300	300
9	Dipentene	--	330	330
10	Phenol Terpene resin	--	200	200
11	Isobornyl Acrylate	--	100	100
12	Isobornyl Methacrylate	--	100	100
13	By-Products	--	--	--
14	Methanol	52	--	52
15	Mixed fractions	284	231	515

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	64.28
	Recycled water - Flushing (CMD):	1.90
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	64.28
	Fire fighting - Underground water tank(CMD):	190
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	46.28
	Recycled water - Flushing (CMD):	1.90
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	46.28
	Fire fighting - Underground water tank(CMD):	190
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	**Consumption (CMD)**			**Loss (CMD)**			**Effluent (CMD)**		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	6.00	-3.50	2.50	1.20	-1.10	0.10	4.80	-2.80	2.00
Industrial Process	--	0.48	0.48	--	--	--	--	0.48	0.48
Cooling tower & thermopack	2.00	41.30	43.30	0.10	34.60	34.70	--	8.60	8.60

Gardening	2.00	16.00	18.00	2.00	16.00	18.00	--	--	--

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4-5m Below Ground Level
	Size and no of RWH tank(s) and Quantity:	1 x 20 m3
	Location of the RWH tank(s):	North corner of plant site
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 2 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.25 Lakhs/yr
	Details of UGT tanks if any :	Domestic water Tank: 70 m3 Rainwater harvesting Tank: 20m3
35.Storm water drainage	**Natural water drainage pattern:**	East to West towards approach road
	Quantity of storm water:	10.62 m3/hr
	Size of SWD:	Ø900mm
Sewage and Waste water	**Sewage generation in KLD:**	2.0 m3/day
	STP technology:	Conventional STP with primary, secondary and tertiary treatment
	Capacity of STP (CMD):	6m3/day x 1 no
	Location & area of the STP:	Center of Plot
	Budgetary allocation (Capital cost):	Rs. 8.5 Lakhs
	Budgetary allocation (O & M cost):	Rs. 0.7 Lakhs/yr

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:**	Empty drums and Paper bags
	Wet waste:	NA
	Hazardous waste:	MEE Residue (100kg/day); Spent Catalyst (700kg/month); Process Residue and waste
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	0.3 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Authorized party
	Wet waste:	NA
	Hazardous waste:	Sold as raw material / CHWTSDF, Taloja; Spent Catalyst regenerated and reused / sold to authorized recyclers
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	6.9	7.5	6-8.8
2	SS	mg/l	50	Nil	<150
3	TDS	mg/l	95,000	150	<2100
4	COD	mg/l	100	23	<250
5	BOD (3 days at 27oC)	mg/l	Nil	Nil	<100

Amount of effluent generation (CMD):	NA
Capacity of the ETP:	NA
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	Manufacturing process involve negligible intake of water, effluent generated will be passed through MEE (3m3/day). Cooling tower blow down will be treated into RO (10m3/day). MEE condensate and RO permeate will be recirculate into cooling tower.
Disposal of the ETP sludge	NA

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	MEE Residue	37.3	Kg/day	--	100	100	Sold as raw material / CHWTSDF, Taloja
2	Spent Catalyst	28.2	Kg/month	--	700	700	Regeneratedand reused / sold to authorized recyclers
3	Process Residue and waste	28.1	Kg/yr	--	25	25	CHWTSDF, Taloja

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Thermic Heater	Coal (15TPD) & FO (2TPD)	1	30	0.8	130
2	DG	HSD (200 l/hr)	1	5	0.3	155

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal (TPD)	5	10	15
2	FO (TPD)	1.5	0.5	2
3	HSD (LPH)	150	50	200
41.Source of Fuel		Local Purchase		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	3,375.17m2
	No of trees to be cut :	0
	Number of trees to be planted :	0
	List of proposed native trees :	0
	Timeline for completion of plantation :	Plantation done (120 Plants as per Previous EC)

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NA	NA	NA	NA
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	600kVA (Total plant)
	During Operation phase (Demand load):	500 kVA (Total plant)
	Transformer:	630 kVA
	DG set as Power back-up during operation phase:	320 kVA x 01 no
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	6CMD for domestic waste water treatment	--
DG Set	Stack (320 kVA x 01) ht – 5 m above ground	--
Thermo-pack (Coal+FO Fired)	Common stack having 30m height & bag filter	--
Noise	Ear muffs, ear plugs & DG acoustic enclosure	--
Water	--	MEE (03CMD)& RO (10CMD)

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)

1	Air	Boiler stack, Bag filter, DG stack	3.00	0.25
2	Water	MEE, STP, RWH	16.00	2.00
3	Environment monitoring and Management	Environment monitoring and Management	1.00	0.25
4	Noise	DG with acoustic enclosure, Ear muffs, ear plugs	2.50	0.25
5	Occupational Health	PPE, health checkups, camps, first aid kit	0.20	0.25
6	Green Belt	Plantation	0.50	0.05
7	DMP	Fire hydrant, points, lightning arrestor , sprinklers, alarm system	60.0	1.00

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
Alpha Pinene	Liquid	IsoTank	600	600	1170	Imported	By sea & road
Guaiacol	Liquid	Drums/ Tankers	100	100	210	Local	By road
Phenol	Solid at RT	Tanker	100	100	278	Local	By road
Hydrogen	Gas	Cylinders mounted on trolleys	0.4	0.4	36	Local	By road
Raney Nickel Catalyst	Solid	HDPE drums	0.15	0.15	0.030	Local	By road
Clay Catalyst	Solid	Bags	4	4	0.05	Local	By road
Citral	Liquid	Drums	20	20	70	Imported	By sea & road
Para tert. Butyl phenol	Solid	Bags	25	20	24	Imported	By sea & road
Acetic acid	Liquid	Drums	30	30	110	Local	By road
Acrylic acid	Liquid	Drums	20	20	45	Imported	By sea & road
Methacrylic acid	Liquid	Drums	20	20	50	Imported	By sea & road
Titanium Oxide	Solid	Bags	5	5	4	Local	By road
Caustic Soda	Solid	Bags	1	1	4	Local	By road
Hydrochloric acid (32%)	Liquid	Drums	3	3	10	Local	By road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Project will confluent on 25m wide road

Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	1,050m2
	Area per car:	2.5m x 5.0m
	Area per car:	2.5m x 5.0m
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	--
	Public Transport:	Auto
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5(f) B1
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable

Air Quality & Noise Level issues	Not Applicable
Energy Management	Not Applicable
Traffic circulation system and risk assessment	Not Applicable
Landscape Plan	Not Applicable
Disaster management system and risk assessment	Not Applicable
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	Not Applicable
Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC

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

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

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

The validity of the TOR will be for three years as per OM issued by MoEF and CC on 29.08.2017.

PP to submit Form - 2 along with EIA/EMP report as per OM issued by MoEF&CC on 20.04.2018.

PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.

DECISION OF SEAC

PP has obtained earlier EC vide No. SEAC-2015/CR-169/TC-2 dated 28.01.2016;
PP to submit certified copy of compliance of earlier EC from Regional Office of MoEF&CC, Nagpur as per OM issued by MoEF&CC on 07/09/2017

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

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2) PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
3) PP to submit separate layout showing contour on the plot, drainage lines, rain water harvesting pits along with cross section of rain water harvesting pit /tank.
4) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
5) PP to carry out life cycle analysis of the activities carried out on site with respect to the carbon foot print, water foot print, green house and ozone depletion potential etc.
6) PP to carry out HAZOP and QRA and submit Disaster Management Plan.
7) PP to inlcude detailed water balance calculations in the EIA reprot along with generation of waste water and its treatment and disposal plan.
8) PP to include water foot print and carbon foot print monitoring in the EMP.
9) PP to submit structural stability certificate to accommodate proposed expansion in the existing plant.
10) PP to submit hazardous chemical handling protocol.
11) PP to carry out heat integration study to reuse the waste heat. PP to explore possibility to use capillary type reactor to reduce the reaction time and conservation of energy.
12) PP to use new and renewable energy for the illumination of common areas, office buildings, street lights, parkign areas wtc.
13) PP to submit their plan for the implementation of the CER funds as per Om issued by MoEF&CC on 01.05.2018.
14) PP to submit an undertaking for not violating any requirement of EIA Notification, 2006 .
15) PP to provide lightening arrestor.

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.

157th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 157th Day-2 **Meeting Date** November 3, 2018

Subject: Environment Clearance for Environmental Clearance for proposed production capacity enhancement of Sai Fertilizers & Phosphates Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	M/s Sai Fertilizers & Phosphates Pvt. Ltd.
2.Type of institution	TOR
3.Name of Project Proponent	Mr. Sanjeev Fogla
4.Name of Consultant	M/s Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Industrial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in Existing Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes; EC letter No. SEAC-2013/CR-197/TC-2 dated 24th March'15
8.Location of the project	Plot no. N-45
9.Taluka	Ambarnath
10.Village	Ambarnath
Correspondence Name:	Mr. Sarad Gupta
Room Number:	--
Floor:	--
Building Name:	Plot No N-45
Road/Street Name:	Anand Nagar
Locality:	Additional MIDC
City:	Ambarnath (East)
11.Area of the project	Maharashtra Industrial Corporation Development
12.IOD/IOA/Concession/Plan Approval Number	Comes under Judiciary of Notified MIDC
	IOD/IOA/Concession/Plan Approval Number: EE/AMB/N-45/D-89213 date 11th Dec'17
	Approved Built-up Area: 9209.48
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.)	16680
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 9209.48
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 9209.48
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 11-12-2017
19.Total ground coverage (m2)	6657.29
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40%
21.Estimated cost of the project	95000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Ambarnath Fire Station (6m)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Radius - 9m Road Width - 6m
29.Existing structure (s) if any	As Per MIDC Approval
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	LABSA (Liner Alkyl Benzene Sulphonates)	2,162	10,438	12,600
2	SLES (Sodium Lauryl Ether Sulphate)	470.4	8,229.6	8,700
3	AOS (Alfa Olefin Sulphonate)	912	4,488	5,400
4	SLS (Sodium Lauryl Sulphate)	678	5,622	6,300
5	Ethylene Glycol Monostearate (EGMS) / Ethylene Glycol Distearate (EGDS) / Coco Mono Ethanol Amide (CMEA) / Coco Di ethanol Amide (CDEA)	0	750	750
6	By Products	--	--	--
7	Sodium Sulphate	427	90	517
8	Sulphuric Acid (Black)	25	7,805	7,830

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	607
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	607
	Fire fighting - Underground water tank(CMD):	225
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	567
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	567
	Fire fighting - Underground water tank(CMD):	225
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	5.0	2.0	7.0	1.0	0.4	1.4	4.0	1.6	5.6
Industrial Process	197.0	60.0	257.0	--	--	--	21.0	00	21.0
Cooling tower & thermopack	193.0	110.0	303.0	144.2	41.1	185.3	18.8	18.9	37.7
Gardening	40.0	--	40.0	40.0	--	40.0	--	--	--

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	8m bgl
	Size and no of RWH tank(s) and Quantity:	Not applicable; Rainwater will be used as Cooling Tower feed water
	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 :	Domestic UG tank Capacity: 610m3/day Firefighting: 225m3/day
35.Storm water drainage	**Natural water drainage pattern:**	South East to North West
	Quantity of storm water:	16.10 m3/hr
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	5.60 m3/day
	STP technology:	Septic tank and taken to soak pit
	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:**	Not applicable
	Disposal of the construction waste debris:	Not applicable
Waste generation in the operation Phase:	**Dry waste:**	Not applicable
	Wet waste:	Not applicable
	Hazardous waste:	MEE Residue (8.95T/M); ETP Sludge (0.83T/M); Empty Drums, Carboys, Containers (70No./A)
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable

Mode of Disposal of waste:	**Dry waste:**	Not applicable
	Wet waste:	Not applicable
	Hazardous waste:	CHWTSDF, Taloja or co-processing to Cement industry; Sale to authorized party approved by MPCB
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Back side of Plant
	Area for the storage of waste & other material:	10 m2
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not applicable
	O & M cost:	Not applicable

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	5-7	6.5-7.5	6.5-8.0
2	TDS	mg/l	750-1,000	20-30	<100
3	TSS	mg/l	300-400	40-50	<100
4	BOD	mg/l	700-800	50-60	<100
5	COD	mg/l	1,800-2,000	150-180	<250
6	O & G	mg/l	Traces	Nil	--

Amount of effluent generation (CMD):	64.30 m3/day
Capacity of the ETP:	50 m3/day
Amount of treated effluent recycled :	61.79 m3/day
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Conventional ETP having Primary, Secondary, Tertiary; MEE, RO
Disposal of the ETP sludge	CHWTSDF, Taloja

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	MEE Residue	37.3	T/M	--	8.95	8.95	CHWTSDF / Co-Processing to Cement Industry
2	ETP Sludge	35.3	T/M	0.55	0.28	0.83	CHWTSDF
3	Empty Drums, Carboys, Containers	--	No/A	20	50	70	Recycle through MPCB Authorized Vendor

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Process (Alkali Scrubber)	NA	2	31	0.600	30
2	Boiler (2TPH)	Coal	2	30	0.450	180
3	DG (500kVA)	HSD	3	10	0.300	40
4	Spray Dryer	FO	2	30	0.600	60

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	6T/day	6T/day	12T/day
2	HSD	70 l/hr	140 l/hr	210 l/hr
3	Furnace Oil	--	166kg/hr	166kg/hr
41.Source of Fuel		Local Purchase		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	5,410.05 m2
	No of trees to be cut :	0
	Number of trees to be planted :	250
	List of proposed native trees :	Cassia fistula; Bombax ceiba; Asltonia shcolaris; Macaranga peltata; Schleichera oleosa
	Timeline for completion of plantation :	Project Completion

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Bahava	50	Native tree of forest tracts of Sahyadri ranges having flowers attracting bees and butterflies
2	Bombaxceiba	Sawar	50	A native deciduous tree with fragrant flowers attracting large number of birds & insects
3	Asltoniashcolaris	Saptaparni	50	A native evergreen tree with fragrant flowers & leaves having comparatively higher dust settling index
4	Macarangapeltata	Chandwar	50	A native tree found in abundance across the plains of Sahyadri ranges
5	Schleicheraoleosa	Kusum	50	A native deciduous trees of forest tracts of Sahyadri ranges
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2

1	Not applicable	Not applicable	Not applicable

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Not applicable
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	Existing– 1500 kVA, Proposed – 1000 kVA ,Total – 2500 kVA
	During Operation phase (Demand load):	Existing– 1250 kVA, Proposed – 600 kVA, Total – 1850 kVA
	Transformer:	2500kVA x 1no
	DG set as Power back-up during operation phase:	Existing – 500 kVA x 1 no Proposed – 500 kVA x 2 no
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Not applicable

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
ETP	Conventional ETP (50m3/day); Sewage passed through Septic Tank and taken to aeration of ETP	MEE (20m3/day) and RO (65m3/day)
DG Set	Stack (500 kVA x 1 no) ht - 10m above ground	Stack (500 kVA x 2 no) ht - 10 m above ground
Boiler (Coal Fired)	Steam Boiler (2TPH x 1 no) Stack (ht - 30m)	Steam Boiler (2TPH x 1 no) Stack (ht - 30m)
Process Scrubber	Acidic scrubber (stack ht - 31m)	Acidic scrubber (stack ht - 31m)
Spray Dryer	--	Stack (30m x 2no)

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	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	Air	ESP, Scrubber, Bag Filter, Cyclone Separator, DG stack	148.00	15.00
2	Water	Septic Tank, ETP, MEE-ATFD, RO	62.75	15.00
3	Noise	DG with acoustic enclosure, enclosure for process air blower, PPE's	35.00	5.00
4	Occupational Health	PPE, health checkups, camps, first aid kit	5.00	5.00
5	Green Belt	Plantation	24.50	5.00
6	Solid Waste	Solid waste (hazardous &non hazardous) handling, & disposal	5.00	1.72

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
LAB (Liner Alkyl Benzene)	Liquid	Raw Material Storage Yard	2350	2200	8,880	Import/ Local Purchase	By Ship/ Road
AO (Alfa Olefin)	Liquid	Raw Material Storage Yard	940	900	1,470	Import/ Local Purchase	By Ship/ Road
LA (Lajuryl Alcohol)	Liquid	Raw Material Storage Yard	200	160	1,200	Import/ Local Purchase	By Ship/ Road
ELA(Ethoxylated Lauryl Alcohol)	Liquid	Raw Material Storage Yard	450	400	1,890	Import/ Local Purchase	By Ship/ Road
Ethylene Glycol, Coco fatty acid Coconut oil (70%)	Liquid	Raw Material Storage Yard	40	35	390	Import/ Local Purchase	By Ship/ Road
Stearic Acid/ PTSA/ MEA/ DEA/ Pot. Carbonate	Liquid	Raw Material Storage Yard	40	35	420	Import/ Local Purchase	By Ship/ Road
Sulphuric Acid 98%	Liquid	Raw Material Storage Yard	970	900	8,460	ILocal Purchase	By Road
NaoH (Caustic Soda Lye)	Liquid	Raw Material Storage Yard	200	180	668	Local Purchase	By Road
Sulphur	Solid/ Liquid	Sulphur Storage Yard	400	350	630	Local Purchase	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Project will confluent on 25m wide road
Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	1,660m2
	Area per car:	2.5m x 2.0m
	Area per car:	2.5m x 2.0m
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	--
	Public Transport:	Auto, Truck plaza available within MIDC area.
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5(f) B1
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable

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

Brief information of the project by SEAC

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

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

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

The validity of the TOR will be for three years as per OM issued by MoEF and CC on 29.08.2017.

PP to submit Form - 2 along with EIA/EMP report as per OM issued by MoEF&CC on 20.04.2018.

PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.

DECISION OF SEAC

PP has obtained earlier EC vide No. SEAC-2013/CR-197/TC-2 dated 24.03.2015; PP to submit certified copy of compliance of earlier EC from Regional Office of MoEF&CC, Nagpur as per OM issued by MoEF&CC on 07/09/2017

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

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2) PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
3) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
4) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc
5) PP to submit an undertaking for not violating any requirement of EIA Notification, 2006
6) PP to carry out HAZOP and QRA and submit Disaster Management Plan.
7) PP to submit hazardous chemical handling protocol.
8) PP to submit design details of storm water drains and rain water harvesting plan.
9) PP to include detailed water balance calculations in the EIA report along with generation of waste water and its treatment and dispsoal plan.
10) PP to use new and renewable energy for the illumination of common areas, office buildings, street lights, parkign areas wtc.
11) PP to submit their plan for the implementation of the CER funds as per Om issued by MoEF&CC on 01.05.2018.
12) PP to provide lightening arrestor.

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.

157th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 157th Day-2 **Meeting Date** November 3, 2018

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

Is a Violation Case: No

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

1.Name of Project	M/s Chinchem Laboratories Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Dr. Nikhil Dhoot
4.Name of Consultant	M/s Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New Project (Green Field Project)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	G-18, Lote-Parshuram Industrial Area MIDC
9.Taluka	Khed
10.Village	Dhamandevi
11.Area of the project	Lote Parshuram MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: Plan is not yet approved
	Approved Built-up Area: 6300
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Possession receipt from MIDC
15.Total Plot Area (sq. m.)	20000 sq.m.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): Not applicable
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	270000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable

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

25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	8 meter
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

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

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	1.8	1.8	0	0.36	0.36	0	1.44	1.44
Industrial Process	0	51	51	0	0	0	0	63.04	63.04
Cooling tower & thermopack	0	241.31	241.31	0	207.64	207.64	0	33.67	33.67
Gardening	0	19.47	19.47	0	19.47	19.47	0	0	0

Fresh water requirement	0	313.58	313.58	0	227.47	227.47	0	98.15	98.15

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	Underground Fire Hydrant Tank- 300 KL and Process water storage tank - 100 KL will be constructed
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drainage will be provided
	Quantity of storm water:	66.6 KL/Hr
	Size of SWD:	--
Sewage and Waste water	**Sewage generation in KLD:**	1.44
	STP technology:	Sewage generated from domestic activity will be treated in Septic tank and overflow from septic tank will be connected to the Aeration tank of ETP.
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	220.5 MT construction waste will get generated during construction phase of the unit
	Disposal of the construction waste debris:	Construction waste will be disposed through local body.
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Dedicated area for HW storage will be provided as per plot layout
	Area for the storage of waste & other material:	--
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	5
	O & M cost:	10

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Distillation Residue	20.3	T/M	0	22.20	22.20	CHWTSDF, Taloja
2	Spent Carbon	28.3	T/M	0	1.99	1.99	CHWTSDF, Taloja
3	Chemical Sludge from Wastewater treatment	35.3	T/M	0	3.0	3.0	CHWTSDF, Taloja
4	Process Residue	28.1	T/M	0	1.95	1.95	CHWTSDF, Taloja
5	MEE Residue	37.3	T/D	0	13	13	CHWTSDF, Taloja

6	Discarded containers barrels/liners/ plastic bags/ PPE etc	33.1	Nos/M	0	1000	1000	CHWTSDF, Taloja / MPCB authorized recycler
7	Recovered Mix Solvents from Process effluent stream using Stripper MEE	28.2	T/M	0	21	21	CHWTSDF, Taloja
8	Spent Oil	5.1	Lit/M	0	200	200	MPCB authorized recycler

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development

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

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

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

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

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

47.Energy

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

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

3	Solid Hazardous waste	Handling, transportation and disposal of Construction waste through local body	5
4	Noise Environment	PUC certified vehicles etc, PPE	1

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Environment	Construction of 3 stacks and installation of 5 nos of process scrubbers with stack height of 11m height	117.7	15.2
2	Water Environment	Purchase of Stripper MEE with ATFD, construction of ETP and installation of RO system	360	21.8
3	Noise Environment	Noise Pollution Control, Installation of anti-vibration pads, & Enclosures.	2	0.5
4	Environment Monitoring & Management	Monitoring	0	3.5
5	Occupational Health	Glares, Breathing Masks,Gloves, Boots, Helmets, Ear Plugs etc. & annual health-medical checkup of workers, Occupational Health (training, OHC center)	5	2
6	Green Belt	Development and maintenance of green belt	10.3	2.16
7	Solid waste Management	Solid Waste Management	5	10

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
40% Methyl methacrylate	Liquid	Drum	19.5	19.5	58.4	Local	By Road
70% HNO3	Liquid	Tank	5	5	13.96	Local	By Road
70% Sorbitol	Liquid	Tank	25	25	72.5	Local	By Road
98% HNO3	Liquid	Tank	3.5	3.5	9.74	Local	By Road
Acetic Anhydride	Liquid	Drum	10.5	10.5	30.94	Local	By Raod

Acetone	Liquid	Carboy	15.5	15.5	46.08	Local	By Road
Ammonium Thiocynate	Solid	Bags	2.5	2.5	6.4	Local	By Road
Bromine	Liquid	Bottles	11.3	11.3	67.7	Local	By Road
Charcoal	Solid	Bags	0.98	0.98	0.98	Local	By Road
Dimethyl Sulphate	Liquid	Drum	5	5	15	Local	By Road
Ethyl chloroformate	Liquid	Drum	1	1	2.9	Local	By Road
Glycerin	Liquid	Carboy	0.4	0.4	1.13	Local	By Road
Isosorbide-2-Acet	Liquid	Drum	6	6	16.77	Local	By Road
KOH	Solid	Bags	15	15	45	Local	By Road
Lactose	Solid	Bags	14.5	14.5	43.75	Local	By Road
Methanol	Liquid	Tank	20	20	132.7	Local	By Road
Methylene Chloride	Liquid	Drum	2.5	2.5	7.35	Local	By Road
p-Toulene Sulphonic Acid	Solid	Bags	0.58	0.58	0.58	Local	By Road
Pyridine	Liquid	Drum	0.5	0.5	2.15	Local	By Road
Soda Ash	Solid	Bags	4	4	11.6	Local	By Road
Sodium acetate anhydrous	Solid	Bags	0.5	0.5	1.4	Local	By Road
Sodium Hydroxide	Solid	Bags	2	2	6.3	Local	By Road
Sodium Methoxide	Solid	Bags	0.46	0.46	0.46	Local	By Road
Sulphuric Acid	Liquid	Tank	10	10	28.2	Local	By Road
Toluene	Liquid	Tank	20	20	160	Local	By Road
Vinyl Acetate Monomer	Liquid	Drum	12	12	36	Local	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	--
Parking details:	**Number and area of basement:**	--
	Number and area of podia:	--
	Total Parking area:	2400
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	--
	Public Transport:	--
	Width of all Internal roads (m):	--

	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5(f) Cat : B1
	Court cases pending if any	NA
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP proposes Zero Liquid Discharge, PP proposes scrubber to the process vents . As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits at site.
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP proposes Zero Liquid Discharge Effluent Treatment Plant.
Drainage pattern of the project	PP proposes to provide storm water drain as per contour on the site.
Ground water parameters	As per data submitted by PP ground water parameters are within the prescribed limits at project site.
Solid Waste Management	PP committed to dispose the hazardous waste at Common Hazardous Waste Treatment, Storage, and Disposal Facility and sale to Authorized vendors. Details are given at Sr. No. 38 of the Consolidated Statement.
Air Quality & Noise Level issues	As per data submitted by PP Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	The electrical demand for proposed project is 400 KW which will be supplied by MSEDCL. PP proposes two numbers of 400 KVA DG Sets.
Traffic circulation system and risk assessment	PP provided 2400 Sq.m area for parking along with six meter wide internal roads with none meter turning radius.
Landscape Plan	PP proposes to provide 33% green belt area.
Disaster management system and risk assessment	PP carried out HAZOP and Risk Assessment and submitted DMP.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP proposed EMP cost of Rs.13.0 Lakhs during construction phase and Rs. 206 Lakhs as capital cost and Rs. 52.46 Lakh/Yr. as O & M cost for maintain environmental parameters.

Any other issues related to environmental sustainability	PP to include water foot print and carbon foot print in the Environment Management Plan.

Brief information of the project by SEAC

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

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

ToR was granted in the 138th meeting of SEAC held on 01.06.2017 as per standard ToR and additional ToR points as mentioned below,

1. PP to submit their plan to achieve 33% of green belt as per National Forest Policy.

2. PP to submit copies of On Site and Off Site Emergency Preparedness Plan duly accepted by competent authority.

3. PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.

4. PP to include detailed water balance chart in EIA report along with quantities of waste water generation and its disposal.

5. PP to submit an affidavit for achieving Zero Liquid Discharge and not discharging any additional load on CETP or in any other source outside the limits of factory premises.

6. Committee observed that most of the raw material goes into the effluent stream which results in the wastage of resource and sue of additional energy to treat it; PP advised to look into the process of all the products and try to use maximum raw materials to convert into the product so that energy and resources can be saved; PP to include their report in the EIA.

Now PP submitted EIA/EMP report.

The proposal was considered in the 153rd meeting of SEAC where in the proposal was deferred till the complinace of following points.

1. PP to submit point wise compliance of additional ToR points.

2. It was observed that approximate 10% of mononitrate used as a raw material goes in to the eflfeunt; PP to submit mechanism to prevent it to mix with effluent so as to achieve optimum prodcut and less load on the ETP.

3. PP to include Piping and Instrumentation diagrams in the HAZOP reprot.

4. PP to submit copy of CHWTSDF membership.

5. PP to submit product wise solvent consumption, product wise solvent recovery and quantity of excess solvent along with its disposal method.

6. PP to prepare CER plan in consultation with the District Authority.

Now PP submitted the compliance of above points.

The proposal was considered in the 156th meeting of SEAC-1 hled on 5th October, 2018 wherein the proposal was deferred till compliance of following point,

1. Committee observed that, most of the raw material goes into the effluent stream which results in the wastage of resources and use of additional energy to treat it. PP advised to look into the process of all the products and try to use maximum raw materials to convert into the product so that energy and resources can be saved. PP to include their report in the EIA reprot.

2. PP to prepare CER plan in consultation with the District Authority.

Now PP submitted the compliance of the above points.

DECISION OF SEAC

After detailed deliberations with the PP and their accredited consultant SEAC decided to recommend the proposal to the SEIAA for prior Environment Clearance subject to the compliance of following point.

Specific Conditions by SEAC:

1) PP to prepare and implement CER plan in consultation with the District Collector as per OM issued by MoEF&CC dated 01.05.2018.

FINAL RECOMMENDATION

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

Subject: Environment Clearance for Environment Clearance for Garga Medium Project

Is a Violation Case: Yes

1.Name of Project	Garga Medium Project Tq. Dharni Dist. Amravati
2.Type of institution	Government
3.Name of Project Proponent	Executive Engineer, Amravati Medium Project Division, Amravati
4.Name of Consultant	Mitcon Consultancy Pune
5.Type of project	NA
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	87 , 89
9.Taluka	Dharni
10.Village	Mansudhawdi
Correspondence Name:	Executive Engineer, Amravati Medium Project Division Amravati
Room Number:	NA
Floor:	NA
Building Name:	Sinchan Seva Bhavan
Road/Street Name:	Shivaji nagar
Locality:	Panchavati
City:	Amravati
11.Area of the project	Corporation
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 584
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.)	NA
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 14-11-2008
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	494.66

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)

1	NA	NA	NA

23.Number of tenants and shops	NA
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	23
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NA	NA	NA	NA

32.Total Water Requirement

Dry season:	**Source of water**	NA
	Fresh water (CMD):	NA
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	NA
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	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:	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	NA

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

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

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	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):**	village Mansudhawdi
	Area for the storage of waste & other material:	584 Ha
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	494.66 Cr
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			

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	NA	NA	NA	NA	NA	NA	NA

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	NA	NA	NA	NA	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	NA	NA	NA	NA
41.Source of Fuel		NA		
42.Mode of Transportation of fuel to site		NA		

43.Green Belt Development	**Total RG area :**	58 ha at foot of dam and along the canal and diversion road
	No of trees to be cut :	1093
	Number of trees to be planted :	4500
	List of proposed native trees :	Nimb (Azadirachta),Kanchan(Bauhinia),Shisav(Dalbergia sissoo)
	Timeline for completion of plantation :	3 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta Indica	Nimb	500	NA
2	Bauhinia variegata	Kamchana	500	NA
3	Dalbergi	shisav	500	NA
4	Albizzia	shiras	500	NA
5	Accacia	babul	500	NA
6	ponamia	dharang	500	NA
7	tamarindus indica	chinch	500	NA
8	Glicidica maculata	Glircidia	500	NA
9	Cassia Siamea	Cassia	500	NA
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Generator
	DG set as Power back-up during construction phase	Prime source
	During Operation phase (Connected load):	III Phase
	During Operation phase (Demand load):	240 volts
	Transformer:	33 kv
	DG set as Power back-up during operation phase:	1
	Fuel used:	Disel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
NA	NA	NA

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)

1	NA	NA	NA	NA

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-04-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP submitted pro[posal under 'violation' category as per Notification issued by MoEF&CC dated 08.03.2018.

The proposal was considerd in the 152nd meeting of SEAC-1 held on 14.06.2018. The details are as below,

The chronology of the project is as below,

1. PP started the work on 05.11.2011

2. PP submitted their application for prior Environment Clearance on 23.02.2009

3. SEAC granted ToR on 29.07.2009

4. Public Hearing was conducted on 27.05.2014

5. PP submitted EIA/EMP report on 27.06.2014

6. PP made presentation before SEAC on 01.01.2015 and 15.12.2015 wherein violation was detected.

7. PP received stop work on 01.12.2016

Now PP submitted application under violation category as per Notification dated 08.03.2018. The provisions in the notification are as follows,

(4) The cases of violations will be appraised by the Expert Appraisal Committee at the Central level or State or Union territory level Expert Appraisal Committee constituted under sub-section (3) of section 3 of the Environment (Protection) Act, 1986 with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can run sustainably under compliance of environmental norms with adequate environmental safeguards, and in case, where the findings of Expert Appraisal Committee for projects under category A or State or Union territory level Expert Appraisal Committee for projects under category B is negative, closure of the project will be recommended along with other actions under the law.";

(5) " In case, where the findings of the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee on point at sub-paragraph (4) above are affirmative, the projects will be granted the appropriate Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan and the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee, will prescribe specific Terms of Reference for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants, and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or a environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of the Council of Scientific and Industrial Research institution working in the field of environment.";

The proposal was considered in 152nd meeting of SEAC held on 14.06.2018 where in the proposal was referred to the SEIAA.

1. The earthen dam is 70% completed and spillway (excluding gates) is 20% completed. The Gorge portion in the river section is yet to be carried out and no storage or no pounding is done to this date. As such there is no substantial change in river flow pattern and hence no change in the baseline data has taken place since preparation of EIA/EMP.

2. The land use pattern has not been altered by the works of project because the farmers till cultivating their land through acquired department.

3. The project lies in the hilly and tribal area of Dharni tehsil but the topography of area is such that water storage could not be created. The project is from Amravati District of Maharashtra State which is having maximum irrigation backlog and the project is initiated on the directions of Hon'ble Governor in order to mitigate irrigation backlog of the Vidharbha region. The project being monitored by Hon'ble Governor of Maharashtra under irrigation backlog removal program and is also included under Central Governments "Baliraja Jal Sanjivani" program.

4. The project lies in Melghat area which is a Tribal Area and widely known for mal-nutrition and per capita income is far low than the national level due to non availability of irrigation facility.

5. Public money to the tune of 214.00 Cr. Stands invested on the project. Preparing EIA and EMP afresh would inevitably delay the project further by at least one more year, which would be against larger public interest.

6. The project being an irrigation project it has less impact and damage to the environment. However after completion of this project it will assist to enhance flora and fauna of environment hence the environment clearance may please be granted to the project.

It is requested that the SEAC-1 may kindly prescribe specific Terms of References for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and direct recasting EIA & EMP reports (including public hearing report) submitted earlier by incorporating in them ecological damage, remediation plan etc. as aseperate chapter as contemplated in the notification.

In view of above request from PP(this being a Government Project) , SEAC in larger public interest decided to grant additional and specific ToR points for making necessary changes in the EIA/EMP reprot as per Notification dated 08.03.2018.

After detailed discusison with the PP and their acrredited consultant SEAC is of the opinion that no fresh public hearing is required as it was already conducted.

With this view, SEAC refers the proposal to SEIAA for approval as above and /or furhter guidelines in the matter.

The proposal was referred back by SEIAA and was considered in the 154th meeting of SEAC-1 held on 29.08.2018 where in following decision was taken,

Now the proposal is referred back by the SEIAA with following remarks,

"SEIAA acknowledged and approved that no fresh public hearing is required as it was already conducted. The proposal was referred back to the SEAC-1 for further appraisal.

Hence, SEAC decided to grant the ToR as discussed in the SEAC-1 meeting dated 14.06.2018 along with the following additional ToR points for the preparation of revised EIA/EMP reprot as per EIA Notification, 2006 and amendment dated 08.03.2018.

Now PP submitted EIA reprot along with ecological damage and remediation plan for the appraisal.

DECISION OF SEAC

The proposal was considerd in the 152nd meeting of SEAC-1 held on 14.06.2018. The details are as below,

PP submitted proposal under 'violation' category as per Notification issued by MoEF&CC dated 08.03.2018.

The chronology of the project is as below,

1. PP started the work on 01.09.2008

2. PP submitted their application for prior Environment Clearance on 05.07.2008

3. SEAC granted ToR on 16.01.2009

4. Public Hearing was conducted on 22.05.2010 & 26.06.2013

5. PP submitted EIA/EMP report on 09.04.2014

6. PP made presentation before SEAC on 05.07.2014 and 15.12.2015 wherein violation was detected.

7. PP received stop work on 01.12.2016

Now PP submitted application under violation category as per Notification dated 08.03.2018. The provisions in the notification are as follows,

(4) The cases of violations will be appraised by the Expert Appraisal Committee at the Central level or State or Union territory level Expert Appraisal Committee constituted under sub-section (3) of section 3 of the Environment (Protection) Act, 1986 with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can run sustainably under compliance of environmental norms with adequate environmental safeguards, and in case, where the findings of Expert Appraisal Committee for projects under category A or State or Union territory level Expert Appraisal Committee for projects under category B is negative, closure of the project will be recommended along with other actions under the law.";

(5) " In case, where the findings of the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee on point at sub-paragraph (4) above are affirmative, the projects will be granted the appropriate Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan and the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee, will prescribe specific Terms of Reference for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants, and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or a environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of the Council of Scientific and Industrial Research institution working in the field of environment.";

During deliberations PP requested as below,

1. The earthen dam is 60% completed and spillway (excluding gates) is almost 80% completed. The river is not plough no storage or no pounding is done to till date. Hence there is no substantial change in river flow pattern and hence no change in the baseline data has taken place since preparation of EIA/EMP.

2. The land use pattern has not been altered by the works of project because the farmers till cultivating their land through acquired department.

3. The project lies in Amravati District of Maharashtra State which is having maximum irrigation backlog and the project is lies in the saline track area. The project is included in the backlog removal program of the Hon'ble Governor. This area also records high incidences of farmer suicides. The project is also included under Central Governments "Baliraja Jal Sanjivani" program.

4. Public money to the tune of 502.74 Cr. Stands invested on the project. Preparing EIA and EMP afresh would inevitably delay the project further by at least one more year, which would be against larger public interest.

As EIA and EMP as well as public hearing report are already prepared, it is submitted that SEAC-1 may kindly consider not discarding these reprots because of following reasons,

It is requested that the SEAC-1 may kindly prescribe specific ToR for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and direct recasting EIA & EMP Reports (including Public Hearing Reprot) submitted earlier, by incorporating in the ecological damage, remediation plan etc. as a seperate chapter, as contemplated in the Notification dated 08.03.2018.

In view of above request from PP(this being a Government Project) , SEAC in larger public interest decided to grant additional and specific ToR points for making necessary changes in the EIA/EMP reprot as per Notification dated 08.03.2018.

After detailed discusison with the PP and their acrredited consultant SEAC is of the opinion that no fresh public hearing is required as it was already conducted.

With this view, SEAC refers the proposal to SEIAA for approval as above and /or furhter guidelines in the matter.

The proposal was referred back by SEIAA and was considered in the 154th meeting of SEAC-1 held on 29.08.2018 where in following decision was taken,

Now the proposal is referred back by the SEIAA with following remarks,

"SEIAA acknowledged and approved that no fresh public hearing is required as it was already conducted. The proposal was referred back to the SEAC-1 for further appraisal.

Hence, SEAC decided to grant the ToR as discussed in the SEAC-1 meeting dated 14.06.2018 along with the following additional ToR points for the preparation of revised EIA/EMP reprot as per EIA Notification, 2006 and amendment dated 08.03.2018.

Now PP submitted EIA reprot along with ecological damage and remediation plan for the appraisal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC Meeting number: 157th Day-2 **Meeting Date** November 3, 2018

Subject: Environment Clearance for Environment Clearance for Wasani Medium Project

Is a Violation Case: Yes

1.Name of Project	Wasani Medium Project Tq. Achalpur Dis. Amravati
2.Type of institution	Government
3.Name of Project Proponent	Executive Engineer, Amravati Medium Project Division, Amravati
4.Name of Consultant	M/s Mechatronics System Pvt. Ltd
5.Type of project	NA
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	132
9.Taluka	Achalpur
10.Village	Wasni
Correspondence Name:	Executive Engineer, Amravati Medium Project Division Amravati
Room Number:	NA
Floor:	NA
Building Name:	Sinchan Seva Bhavan
Road/Street Name:	Shivaji nagar
Locality:	Panchavati
City:	Amravati
11.Area of the project	Corporation
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 520
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.)	NA
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 14-02-2008
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	751.67

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)

1	NA	NA	NA

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	3
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NA	NA	NA	NA

32.Total Water Requirement

Dry season:	**Source of water**	NA
	Fresh water (CMD):	NA
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	NA
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	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:	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	NA

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

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

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	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):**	village Wasani khurd
	Area for the storage of waste & other material:	358 Ha
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	751.78 Cr
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			

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	NA	NA	NA	NA	NA	NA	NA

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	NA	NA	NA	NA	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	NA	NA	NA	NA
41.Source of Fuel		NA		
42.Mode of Transportation of fuel to site		NA		

43.Green Belt Development	**Total RG area :**	55 ha at foot of dam and along the canal and diversion road
	No of trees to be cut :	891
	Number of trees to be planted :	25000
	List of proposed native trees :	Nimb, kanchana, shisav, shiras, babul, dharang, chincha, glirchidia, cassia
	Timeline for completion of plantation :	3 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta Indica	Nimb	9000	NA
2	Bauhinia variegata	Kamchana	2000	NA
3	Dalbergi	shisav	2000	NA
4	Albizzia	shiras	2000	NA
5	Accacia	babul	2000	NA
6	ponamia	dharang	2000	NA
7	tamarindus indica	chinch	2000	NA
8	Glicidica maculata	Glircidia	2000	NA
9	Cassia Siamea	Cassia	2000	NA
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Generator
	DG set as Power back-up during construction phase	Prime source
	During Operation phase (Connected load):	III Phase
	During Operation phase (Demand load):	240 volts
	Transformer:	33 kv
	DG set as Power back-up during operation phase:	1
	Fuel used:	Disel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
NA	NA	NA

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)

1	NA	NA	NA	NA

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-04-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

The proposal was considerd in the 152nd meeting of SEAC-1 held on 14.06.2018. The details are as below,

PP submitted proposal under 'violation' category as per Notification issued by MoEF&CC dated 08.03.2018.

The chronology of the project is as below,

1. PP started the work on 01.09.2008

2. PP submitted their application for prior Environment Clearance on 05.07.2008

3. SEAC granted ToR on 16.01.2009

4. Public Hearing was conducted on 22.05.2010 & 26.06.2013

5. PP submitted EIA/EMP report on 09.04.2014

6. PP made presentation before SEAC on 05.07.2014 and 15.12.2015 wherein violation was detected.

7. PP received stop work on 01.12.2016

Now PP submitted application under violation category as per Notification dated 08.03.2018. The provisions in the notification are as follows,

(4) The cases of violations will be appraised by the Expert Appraisal Committee at the Central level or State or Union territory level Expert Appraisal Committee constituted under sub-section (3) of section 3 of the Environment (Protection) Act, 1986 with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can run sustainably under compliance of environmental norms with adequate environmental safeguards, and in case, where the findings of Expert Appraisal Committee for projects under category A or State or Union territory level Expert Appraisal Committee for projects under category B is negative, closure of the project will be recommended along with other actions under the law.";

(5) " In case, where the findings of the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee on point at sub-paragraph (4) above are affirmative, the projects will be granted the appropriate Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan and the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee, will prescribe specific Terms of Reference for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants, and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or a environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of the Council of Scientific and Industrial Research institution working in the field of environment.";

During deliberations PP requested as below,

1. The earthen dam is 60% completed and spillway (excluding gates) is almost 80% completed. The river is not plough no storage or no pounding is done to till date. Hence there is no substantial change in river flow pattern and hence no change in the baseline data has taken place since preparation of EIA/EMP.

2. The land use pattern has not been altered by the works of project because the farmers till cultivating their land through acquired department.

3. The project lies in Amravati District of Maharashtra State which is having maximum irrigation backlog and the project is lies in the saline track area. The project is included in the backlog removal program of the Hon'ble Governor. This area also records high incidences of farmer suicides. The project is also included under Central Governments "Baliraja Jal Sanjivani" program.

4. Public money to the tune of 502.74 Cr. Stands invested on the project. Preparing EIA and EMP afresh would inevitably delay the project further by at least one more year, which would be against larger public interest.

As EIA and EMP as well as public hearing report are already prepared, it is submitted that SEAC-1 may kindly consider not discarding these reprots because of following reasons,

It is requested that the SEAC-1 may kindly prescribe specific ToR for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and direct recasting EIA & EMP Reports (including Public Hearing Reprot) submitted earlier, by incorporating in the ecological damage, remediation plan etc. as a seperate chapter, as contemplated in the Notification dated 08.03.2018.

In view of above request from PP(this being a Government Project) , SEAC in larger public interest decided to grant additional and specific ToR points for making necessary changes in the EIA/EMP reprot as per Notification dated 08.03.2018.

After detailed discusison with the PP and their acrredited consultant SEAC is of the opinion that no fresh public hearing is required as it was already conducted.

With this view, SEAC refers the proposal to SEIAA for approval as above and /or furhter guidelines in the matter.

The proposal was referred back by SEIAA and was considered in the 154th meeting of SEAC-1 held on 29.08.2018 where in following decision was taken,

Now the proposal is referred back by the SEIAA with following remarks,

"SEIAA acknowledged and approved that no fresh public hearing is required as it was already conducted. The proposal was referred back to the SEAC-1 for further appraisal.

Hence, SEAC decided to grant the ToR as discussed in the SEAC-1 meeting dated 14.06.2018 along with the following additional ToR points for the preparation of revised EIA/EMP reprot as per EIA Notification, 2006 and amendment dated 08.03.2018.

Now PP submitted EIA reprot along with ecological damage and remediation plan for the appraisal.

DECISION OF SEAC

After detailed deliberations with the PP and their accredited consultant it was observed that, there are descripancies in the calcualtion of ecological damage and remediation & natural and community resource augmentation plan based on identified ecological damage which was brought to the notice of the PP to which they agreed.

In view of above , the proposal is defrred till PP submit detailed compliance.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Subject: Environment Clearance for Bordi Nalla Medium Irrigation Project

Is a Violation Case: Yes

1.Name of Project	Bordi Nalla Medium Irrigation Project Ta Chandur Bajaar Dist Amravati
2.Type of institution	Government
3.Name of Project Proponent	Executive Engineer Irrigation Project and Water Resources Investigation Division Amravati
4.Name of Consultant	NEERI Nagpur
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	Mouja Kondwardha and Borgaon Mohna
9.Taluka	Chandur Bajaar
10.Village	Amravati
Correspondence Name:	Mr. S G Rathi, Executive Engineer
Room Number:	Irrigation Project and Water Resources Investigation Division Amravati
Floor:	Jalsampada Parisar
Building Name:	NA
Road/Street Name:	Jail Road
Locality:	Camp
City:	Amravati
11.Area of the project	Grampanchayat
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: Enter Details
	Approved Built-up Area: 00.00
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.)	NA
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 0.00
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	5159637000

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	NA
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	NA
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NA	NA	NA	NA

32.Total Water Requirement

Dry season:	**Source of water**	NA
	Fresh water (CMD):	NA
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	NA
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	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:	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	Not applicable

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

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

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	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	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			

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	NA	NA	NA	NA	NA	NA	NA

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	NA	NA	NA	NA	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	NA	NA	NA	NA
41.Source of Fuel		NA		
42.Mode of Transportation of fuel to site		NA		

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

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NA	NA	NA	NA
45.Total quantity of plants on ground				

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

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

47.Energy

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

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
NA	NA	NA

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Health Management Plan	Medical Facilities	16.51
2	Bio Diversity Conservation Plan	Bio Diversity Conservati	15.00
3	Fisheries Development and Management Plan	Fisheries Development	0.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Afforestation	Afforestation	0.76	0.76

2	Engineering Measures	Engineering Measures	14.70	14.75

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
NAe	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

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

	Other Relevant Informations	The ICA (Irrigation Command Area) of the project is 4126 ha and falls in the medium category. It is proposed to irrigate 489 ha by lift irrigation system and 3637 ha by flow canal. The area under submergence would be 627.16 ha which constitutes 588.59 ha of private land, 12.72 ha of forest land and 25.85 ha of Govt. land. It is proposed to divert the river Megha into the Bordi Nalla with the help of intake structure at village Pala, using a feeder canal upto the origin of Bordi Nalla. Bordi Nalla is proposed to carry 21.049 Mm3 of flood water into the Bordi dam. An earthen dam of length Executive Summary (ii) 1620 m and height of 17.97 m is proposed across the Bordi Nalla. The dam will have side gated spillway of size 8m x 2m to pass the designed flood of 1325.76 cumec. It is proposed to lift the stored water in Bordi Dam into the balancing tank of 5.914 Mm3 store capacity. Farmers from the village Kondwardha and Inyatpur will lift the water from barrage to irrigate 489 ha area. In this scheme 2.631 Mm3 of water is reserved for the drinking water purpose. Submergence under the Bordi main Dam is 273.05 ha and it includes 12.72 ha of forest area. The storage capacity of dam is as follows: (a) Dead Storage : 1.048 Mm3 (b) Live Storage : 17.446 Mm3 (c) Gross Storage at F.R.L. : 18.494 Mm3
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	01-01-1900

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable
Air Quality & Noise Level issues	Not Applicable
Energy Management	Not Applicable
Traffic circulation system and risk assessment	Not Applicable
Landscape Plan	Not Applicable

Disaster management system and risk assessment	Not Applicable
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	Not Applicable
Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC

The proposal was considered in the 152nd meeting od SEAC - 1. The details are as below,

PP submitted proposal under 'violation' category as per Notification issued by MoEF&CC dated 08.03.2018.

The chronology of the project is as below,

1. PP started the work on 22.01.2008

2. PP submitted their application for prior Environment Clearance on 20.11.2011

3. SEAC granted ToR on 08.06.2012

4. Public Hearing was conducted on 29.05.2014

5. PP submitted EIA/EMP report on 01.01.2015

6. PP made presentation before SEAC on 19.11.2015 wherein violation was detected.

7. PP received stop work on 23.01.2017

Now PP submitted application under violation category as per Notification dated 08.03.2018. The provisions in the notification are as follows,

(4) The cases of violations will be appraised by the Expert Appraisal Committee at the Central level or State or Union territory level Expert Appraisal Committee constituted under sub-section (3) of section 3 of the Environment (Protection) Act, 1986 with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can run sustainably under compliance of environmental norms with adequate environmental safeguards, and in case, where the findings of Expert Appraisal Committee for projects under category A or State or Union territory level Expert Appraisal Committee for projects under category B is negative, closure of the project will be recommended along with other actions under the law.";

(5) " In case, where the findings of the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee on point at sub-paragraph (4) above are affirmative, the projects will be granted the appropriate Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan and the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee, will prescribe specific Terms of Reference for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants, and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or a environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of the Council of Scientific and Industrial Research institution working in the field of environment.";

During deliberations PP requested as below,

As EIA and EMP as well as public hearing report are already prepared, it is submitted that SEAC-1 may kindly consider not discarding these reprots because of following reasons,

(a) The works of projects along the dam line and along the diversion canal for some length have been completed. No contemplated diversion of 21.05 Mm3 of water has been effected. As such there is no substantial change in river flow patterns and hence no change in the baseline data has taken placce since preparation of EIA and EMP report.

(b) The land use pattern has not been altered by the works of the project carried out so far.

(c) The project is coming up in the area of the State which is the most backward in so far as irrigation facilities are concerned. This area also records high incidence of farmer suicides.

(d) Public Money to the tune of Rs. 278 Crore stands invested on the project. Preparing EIA and EMP afresh would inevitably delay the project further by atlesat one year, which would be against larger public interest.

It is requested that the SEAC-1 may kindly prescribe specific ToR for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and direct recasting EIA & EMP Reports (including Public Hearing Reprot) submitted earlier, by incorporating in the ecological damage, remediation plan etc. as a seperate chapter, as contemplated in the Notification dated 08.03.2018.

In view of above request from PP(this being a Government Project) , SEAC in larger public interest decided to grant additional and specific ToR points for making necessary changes in the EIA/EMP reprot as per Notification dated 08.03.2018.

After detailed discusison with the PP and their acrredited consultant SEAC is of the opinion that no fresh public hearing is required as it was already conducted.

With this view, SEAC refers the proposal to SEIAA for approval as above and /or furhter guidelines in the matter.

The proposal was referred back by SEIAA and was considered in the 154th meeting of SEAC-1 held on 29.08.2018 where in following decision was taken,

Now the proposal is referred back by the SEIAA with following remarks,

"SEIAA acknowledged and approved that no fresh public hearing is required as it was already conducted. The proposal was referred back to the SEAC-1 for further appraisal.

Hence, SEAC decided to grant the ToR as discussed in the SEAC-1 meeting dated 14.06.2018 along with the following additional ToR points for the preparation of revised EIA/EMP reprot as per EIA Notification, 2006 and amendment dated 08.03.2018.

Now PP submitted EIA reprot along with ecological damage and remediation plan for the appraisal.

DECISION OF SEAC

After detailed deliberations with the PP and their accredited consultant it was observed that, there are descripancies in the calcualtion of ecological damage and remediation & natural and community resource augmentation plan based on identified ecological damage which was brought to the notice of the PP to which they agreed.

In view of above , the proposal is defrred till PP submit detailed compliance.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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