

148th Meeting of State Expert Appraisal Committee (SEAC-1)

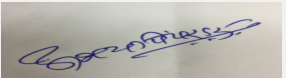
SEAC Meeting number: 148th Meeting Date February 27, 2018

Subject: Environment Clearance for Proposed Capacity Expansion of BPCL Manmad Installation at Panewadi, Manmad, Maharashtra.

1.Name of Project	Proposed Capacity Expansion of BPCL Manmad Installation at Panewadi, Manmad, Maharashtra.
2.Type of institution	Semi Government
3.Name of Project Proponent	Bharat Petroleum Corporation Limited (BPCL)
4.Name of Consultant	ABC Techno Labs India Pvt Ltd. Head Office: #400, 13th Street, SIDCO Industrial Estate (North Phase), Ambattur - 600 098, Chennai ; Regional Office: A355, Balaji Bhavan, Plot No. 42 A, Sector 11, CBD Belapur, Navi Mumbai - 400614, Maharashtra.
5.Type of project	Others
6.New project/expansion in existing project/modernization/diversification in existing project	Product Storage Capacity expansion by construction of three additional tanks: 1 x 858 KL (for Ethanol) & 2 x 3,415 KL each (for Biodiesel).
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	The existing petroleum installation was established prior of EIA Notification 2006. The plant regularly practices the conditions laid by the PCB
8.Location of the project	Survey no 18-27 of Nagapur, Panewadi, Manmad Nandgaon Road, Manmad - 423104.
9.Taluka	Nandgaon
10.Village	Panewadi, Manmad
Correspondence Name:	Mr. Nikhil Zanvar
Room Number:	NA
Floor:	NA
Building Name:	BPCL Manmad Installation
Road/Street Name:	Manmad - Nandgaon road
Locality:	NA
City:	Manmad
11.Area of the project	Others
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable IOD/IOA/Concession/Plan Approval Number: Not Applicable Approved Built-up Area:
13.Note on the initiated work (If applicable)	No work will be initiated without obtaining Environmental Clearance
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	226 acres
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.):
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	158500000


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


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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))	9 Meter (Nearest Fire Station is at Manmad)
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	Existing structures includes the Admin Building, Canteen, Drivers Rest Room, Parking area, and Storage tanks for MS, HSD, SKO, Ethanol
30.Details of the demolition with disposal (If applicable)	Not applicable as the expansion will be carried out within the existing plants premises


31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Motor Spirit	85460.2 KL	0	85460.2 KL
2	High Speed Diesel	234445 KL	0	234445 KL
3	Super Kerosene Oil	16700 KL	0	16700 KL
4	Ethanol	400 KL	858 KL	1258 KL
5	Bio Diesel	0	6830 KL	6830 KL

32.Total Water Requirement


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Dry season:	Source of water	Bore well							
	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	Bore well							
	Fresh water (CMD):	Not applicable							
	Recycled water - Flushing (CMD):	Not applicable							
	Recycled water - Gardening (CMD):	Not applicable							
	Swimming pool make up (Cum):	Not applicable							
	Total Water Requirement (CMD) :	Not applicable							
	Fire fighting - Underground water tank(CMD):	Not applicable							
	Fire fighting - Overhead water tank(CMD):	Not applicable							
	Excess treated water	Not applicable							
Details of Swimming pool (If any)	Not applicable								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	15	0	15	0	0	0	5.8	0	5.8


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	5m -10m
	Size and no of RWH tank(s) and Quantity:	2 tank = 50 X 50 m and 16 X 9 m
	Location of the RWH tank(s):	Back side of existing tank farm area
	Quantity of recharge pits:	01
	Size of recharge pits :	2m x 3m
	Budgetary allocation (Capital cost) :	100000
	Budgetary allocation (O & M cost) :	20000
	Details of UGT tanks if any :	-
35.Storm water drainage	Natural water drainage pattern:	Natural water drainage pattern is preserved
	Quantity of storm water:	-
	Size of SWD:	NA
Sewage and Waste water	Sewage generation in KLD:	5.8 KLD
	STP technology:	Soak pit and and septic tanks are provided for discharge of domestic sewage.
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	The solid waste generation on the proposed site will be due to the various construction materials like cement, brick, steel, sand stone, paint and varnishes.
	Disposal of the construction waste debris:	Most of the construction materials like soil, bricks, concrete will be reused for back filling and road construction works and metal scraps will be sold to metal recyclers
Waste generation in the operation Phase:	Dry waste:	paper , cartons, plastics etc - 4 kg approx.
	Wet waste:	Biodegradable canteen waste -8 kg approx.
	Hazardous waste:	spent batteries , waste oil , empty drums of oil/ chemicals , fluorescent tubes , 165 KL/annum tank bottom sludge (once in 5 years)
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
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Mode of Disposal of waste:	Dry waste:	Handed over to authorized vendor or disposed as per applicable MSW rules 2016
	Wet waste:	The composted waste will be used as manure .
	Hazardous waste:	Total tank bottom sludge thus generated is sent to CHWTSDF Pune.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	NA
Area requirement:	Location(s):	133.44 acres
	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 Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	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	Tanks Bottom Sludge	Hazardous	KL/Annum	160	165	165	Once in 5 years to CHWTSDF (Pune)

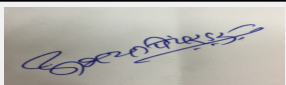
39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	2 x 630 kVA, 1 x 300 kVA, 1 x 250 kVA	HSD	4	7	0.15	70 degree

40. Details of Fuel to be used


Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	2 x 630 kVA, 1 x 300 kVA, 1 x 250 kVA	0	70 L/ Hr for 630 KVA, 40 L/Hr for 250 KVA, 50 L/Hr FOR 300 KVA DG set.

41. Source of Fuel	From Petroleum retail outlets
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42.Mode of Transportation of fuel to site		By Roadways		
43.Green Belt Development	Total RG area :	74.58 acres i.e. 33 % of total plot area will be developed into Green belt.		
	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	Syzigium cumini	Jambhul	NA	NA
2	Butea monosperma	Palash	NA	NA
3	Mangifera indica	Aamba	NA	NA
4	Emblica officinalis	Aawla	NA	NA
5	Anthocephalus cadamba	Kadamb	NA	NA
6	Azardiracta indica	Kalu Nimb	NA	NA
7	Tectona grandis	Saawan	NA	NA
8	Albizia lebbeck	Shirish	NA	NA
9	Bombax ceiba	Shemal	NA	NA
10	Dalbergia latifolia	Shisham	NA	NA
11	Anogeissus latifolia	Dhawada	NA	NA
12	Haldina cordifolia	Karam	NA	NA
13	Haldina cordifolia	Karam	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				


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Power requirement:	Source of power supply :	Maharashtra State Electricity Board 1150 kVA
	During Construction Phase: (Demand Load)	1150
	DG set as Power back-up during construction phase	1 x 125 kVA capacity
	During Operation phase (Connected load):	1150
	During Operation phase (Demand load):	-
	Transformer:	-
	DG set as Power back-up during operation phase:	Existing DGs 2 X 630 KVA, 1 X 250 KVA, 1 X 300 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	-

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	Existing DGs 2 X 630 KVA, 1 X 250 KVA, 1 X 300 KVA	Dust	0.5
2	Hygiene & Sanitation	Worker Health	2
3	Environmental Monitoring	Air, Water, Soil Noise sampling & testing	0.5
4	Medical Health check up of workers	Worker Health	0.5
5	-	-	-


b) Operation Phase (with Break-up):



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Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air/ Noise Pollution Control	Dust suppression , acoustic enclosure , vapour recovery system for tanks	3	0.3
2	Water pollution control/rain water	-	1	0.3
3	Occupational Health	Routine health check up	0.5	0.1
4	Solid Waste Management	-	0.5	0.1
5	Green Belt Development	Tree plantation and green area development	1	0.5
6	Environmental Monitoring	Air, water, noise sampling	0.5	0.2

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


Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
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:	Separate Entry & Exit gate, Separate Emergency Exit are made available.
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	16.06 Cr
	Area per car:	-
	Area per car:	-
	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):	-
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None in 10 KM radius of the plant area
	Category as per schedule of EIA Notification sheet	6(b) Isolated storage & Handling of Hazardous chemicals
	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	19-05-2016
Brief information of the project by SEAC		
The ToR was granted by the SEAC - I in its 129th meeting held on 16-18th June,2016.		
Now PP submitted the EIA/EMP and Public Hearing report for the appraisal.		
DECISION OF SEAC		


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After deliberations with the PP, SEAC decided to defer the proposal till PP submits compliance of below points.


Specific Conditions by SEAC:

- 1) PP to obtain permission from competent Authority to draw ground water.
- 2) PP to submit layout showing 33% green belt; PP to provide drip irrigation for the development of green belt.
- 3) PP to provide STP and ETP for the treatment of domestic sewage and process effluent.
- 4) PP to submit point wise compliance and action plan of all the issues raised in the Public Hearing.
- 5) PP to provide Vapor Recovery System to the storage tanks to prevent emission of vapors to the atmosphere.
- 6) PP to make provision of 2.5% funds for CSR in consultation with the District Collector. PP to maintain separate account for CSR and EMP.
- 7) PP to provide acoustic enclosure to all the DG sets on site.

FINAL RECOMMENDATION


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

SEAC-AGENDA-0000000052


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148th Meeting of State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 148th Meeting Date February 27, 2018


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

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

1.Name of Project	M/s NGL Fine Chem Ltd
2.Type of institution	Private
3.Name of Project Proponent	Mr Rahul Nachane
4.Name of Consultant	SGM CORPORATE CONSULTANT PVT LTD
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Change in Product Mix
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	W-142,C,Thane Belapur Road, Pawane, Navi Mumbai
9.Taluka	VASHI
10.Village	PAWANE
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 880
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	900.00
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): Not applicable
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	360

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
23.Number of tenants and shops	Not applicable		
24.Number of expected residents / users	Not applicable		
25.Tenant density per hectare	Not applicable		
26.Height of the building(s)			


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

31.Production Details


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

32.Total Water Requirement


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


33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	1.7	00	1.7	0.3	00	0.3	1.4	00	1.4
Industrial Process	7.5	00	7.5	0.5	00	0.5	7.0	00	7.0
Cooling tower & thermopack	18.5	00	18.5	18.0	00	18.0	0.5	00	0.5
Gardening	2.0	00	2.0	2.0	00	2.0	00	00	00



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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	about 5.0
	Size and no of RWH tank(s) and Quantity:	10 cum
	Location of the RWH tank(s):	ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	1.0
	Budgetary allocation (O & M cost) :	0.05
	Details of UGT tanks if any :	50 cum
35.Storm water drainage	Natural water drainage pattern:	Through MIDC drain
	Quantity of storm water:	0.15 cum/sec
	Size of SWD:	300 x 400 mm
Sewage and Waste water	Sewage generation in KLD:	1.4
	STP technology:	Septic tank
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	1.5
	Budgetary allocation (O & M cost):	0.15
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	Dry waste:	2.5 KG
	Wet waste:	2.5 KG
	Hazardous waste:	DISTILLATION RESIDUES & OTHERS
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA


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

37. Effluent Characteristics


Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	NA	5.5-6.5	5.5-9.0	5.5-9.0
2	BOD	mg/lit	3250 -3500	<100	100
3	COD	mg/lit	7220 - 8910	<250	250
4	SS	mg/lit	320-480	<100	100
Amount of effluent generation (CMD):		7.5			
Capacity of the ETP:		10			
Amount of treated effluent recycled :		00			
Amount of water send to the CETP:		7.5			
Membership of CETP (if require):		yes			
Note on ETP technology to be used		ETP with tertiary treatment			
Disposal of the ETP sludge		Sent to CHWTSDF, Trans Thane Creek Waste Management-Mahape, Navi Mumbai.			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	5.1	TPM	0.08	00	0.08	MPCB authorised Vendors
2	Spent Catalysts	28.2	TPM	0.01	0.01	0.01	CHWTSDF
3	Discarded Containers	33.3	NO.	45	05	50	return to vendor/sale
4	ETP Sludge	35.3	TPM	0.01	00	0.01	CHWTSDF
5	Distillation Residue	20.3	TPM	0.07	0.005	0.075	CHWTSDF


39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler + 1 (stand by)	180 Lit/day	1	30	0.3	120



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2	Scrubber	00	1	12	0.1	40
3	D.G	50	1	4.5	0.1	90
40.Details of Fuel to be used						
Serial Number	Type of Fuel	Existing	Proposed	Total		
1	LDO	150	30	180		
41.Source of Fuel		LOCAL VENDORS				
42.Mode of Transportation of fuel to site		By road				
43.Green Belt Development						
Total RG area :		148.20 sq.m				
No of trees to be cut :		00				
Number of trees to be planted :		30				
List of proposed native trees :		In annexure				
Timeline for completion of plantation :		Already planted				
44.Number and list of trees species to be planted in the ground						
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance		
1	NA	NA	NA	NA		
45.Total quantity of plants on ground						
46.Number and list of shrubs and bushes species to be planted in the podium RG:						
Serial Number	Name	C/C Distance	Area m2			
1	NA	NA	NA			
47.Energy						


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

48. Energy saving by non-conventional method:

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

49. Detail calculations & % of saving:

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

50. Details of pollution control Systems

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

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


51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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


b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	WATER POLLUTION CONTROL	ETP	20.0	2.75
2	AIR POLLUTION CONTROL	SCRUBBER	6.0	1.00


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3	NOISE POLLTION CONTROL	ACOUSTIC ENCLOSURE	4.0	0.25
4	SOLID WASTE MANGEMENT	SEGREGATION STORAGE	1.5	0.2
5	Energy Conservation Measures	-	2.5	0.3
6	GREEN BELT	PLANTATION	0.50	0.15

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


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

52.Any Other Information

No Information Available


53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6.0
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA


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	Category as per schedule of EIA Notification sheet	5f
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	17-02-2017
Brief information of the project by SEAC		

SEAC-AGENDA-0000000052


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

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.

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

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

The proposal was again considered in the 143rd meeting wherein SEAC decided to defer the proposal till compliance of following points,

1. PP to submit revised undertaking for for not making any product mix, no increase in pollution load, no increase in production quantity etc from the issuance of EIA Notification, 1994,2004 and 2006 and their consented quantities; PP also to mention categorically that none of the requirement of EIA Notification has been violated by them.
2. During deliberation PP informed that the total plot area is only 900 Sq. meters and it is very difficult to adjust 33% green belt within the premises. PP also informed that they are in process of obtaining permission from MIDC to develop green belt on the opposite site land of the MIDC near CETP. PP to submit copy of MIDC permission and plan for developing green belt.
3. PP to provide necessary arrangement to protect from the lightening.
4. PP to ensure correct water monitoring results and submit revised EIA report.

Now PP submitted the compliance of above points.


DECISION OF SEAC

SEAC-1 decided to recommend the proposal to the SEIAA for prior Environment Clearance.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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


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148th Meeting of State Expert Appraisal Committee (SEAC-1)

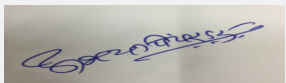
SEAC Meeting number: 148th Meeting Date February 27, 2018

Subject: Environment Clearance for Specialty & fine Chemicals/dye intermediates & organic synthetic chemical

1.Name of Project	Chemco Innovative Chemie Pvt. Ltd
2.Type of institution	Private
3.Name of Project Proponent	Mr Samir Mody
4.Name of Consultant	SGM Corporate Consultant Pvt Ltd
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No. T-24,25,26,27,39, MIDC Tarapur
9.Taluka	Palghar
10.Village	Tarapur
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 3850
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.)	4600
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.): 3850
19.Total ground coverage (m2)	2325
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	50
21.Estimated cost of the project	6000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
23.Number of tenants and shops	Not applicable		
24.Number of expected residents / users	Not applicable		
25.Tenant density per hectare	Not applicable		
26.Height of the building(s)			


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27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	20 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details


Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	3,5-Dinitrobenzoic Acid	33.0	00	33.0
2	Meta Nitrobenzoic Acid	or 33.0	00	or 33.0
3	Meta Nitro Benzoic Acid (Sodium Salt)	or 33.0	00	or 33.0
4	3,5-Dinitro Salycyclic Acid	or 33.0	00	or 33.0
5	Mucic Acid	or 33.0	00	or 33.0
6	Michler's Hydrol	or 33.0	00	or 33.0
7	2-Thiobarbituric Acid	or 33.0	00	or 33.0
8	3,5-Dinitro Aniline	or 33.0	00	or 33.0
9	Meta Amino Benzoic Acid	or 33.0	00	or 33.0
10	Lead Sulphate	or 33.0	00	or 33.0
11	2,3-Dimethylbromobenzene (BR-Xylidine)	00	72	72
12	4-Chloronitrobenzene (In 55% DMF Solution)	00	or 72	or 72
13	Ethyl-N-(4-Nitro-Phenyloxy)-Acetimide	00	or 72	or 72
14	O-(4-Nitrophenyl)-Hydroxylamine	00	or 72	or 72
15	5,5 Azobis(2,4,6-Pyrimidinetriol) OR (A B Acid) and other Dyes Intermediates	00	or 72	or 72
16	3,5 Diamino Benzoic Acid	00	or 72	or 72
17	5-Nitro Isophthalic Acid	00	or 72	or 72
18	4,4' Methylenebis(N,N,-Dimethylaniline)	00	or 72	or 72
19	2,4,6,8-Tetra Hydroxy Pyrimido[5,4,-d] Pyrimidine	00	or 72	or 72
20	Nitro Orotic Acid	00	or 72	or 72
21	2-Thiobarbituric Acid(Sodium Salt)	00	or 72	or 72
22	Ethyl N-Hydroxyacetimide	00	or 72	or 72
23	Spent Acid	72.0	108	180

32.Total Water Requirement


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


33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	10	00	10	02	00	02	08	00	08
Industrial Process	35	10	45	11	00	11	24	10	34
Cooling tower & thermopack	05	05	10	4.5	4.5	9.0	0.5	0.5	1.0
Gardening	10	00	10	10	00	10	00	00	00

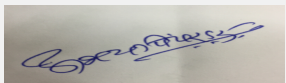

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34. Rain Water Harvesting (RWH)	Level of the Ground water table:	4.5 m
	Size and no of RWH tank(s) and Quantity:	2 x 20 cum
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	4.0
	Budgetary allocation (O & M cost) :	0.25
	Details of UGT tanks if any :	1 x 100 cum, 1 x 50 cum , 1` x 150 cum
35. Storm water drainage	Natural water drainage pattern:	MIDC Drain
	Quantity of storm water:	0.35 cum/sec
	Size of SWD:	300 x 400 mm
Sewage and Waste water	Sewage generation in KLD:	08
	STP technology:	Septik tank
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	2.5
	Budgetary allocation (O & M cost):	0.50
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:	05
	Wet waste:	07
	Hazardous waste:	Process Residues, ETP Sludge etc
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA


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Mode of Disposal of waste:	Dry waste:	MIDC
	Wet waste:	MIDC
	Hazardous waste:	CHWTSDF Site Taloja
	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 Characteristics


Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	log	2.5-3.0	5.5 -9.0	5.5-9.0
2	BOD	mg/lit	2250-2700	<100	<100
3	COD	mg/lit	5620 - 6410	<250	<250
4	TSS	mg/lit	300-450	<100	<100
Amount of effluent generation (CMD):		35			
Capacity of the ETP:		45			
Amount of treated effluent recycled :		11			
Amount of water send to the CETP:		24			
Membership of CETP (if require):		Yes			
Note on ETP technology to be used		Physico-chemical treatment & Tertiary treatment			
Disposal of the ETP sludge		CHWTSDF Site Taloja			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	5.1	TPM	0.04	0.04	0.08	Recycler
2	Process Residue	28.1	TPM	18	12	30	CHWTSDF
3	ETP Sludge	34.3	TPM	75	25	100	CHWTSDF
4	Evaporation Residue	36.3	TPM	00	50	50	CHWTSDF
5	Discarded Containers	33.3	NO.	50	25	75	Reuse/Sel
6	Contaminated filter cloths/centrifuges bags	35.1	TPM	0.5	0.1	0.6	Reuse/Sel


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


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1	Boiler	FO/Briquettes/Biomass Fuel/Gas	1	14	0.4	120
2	Boiler	FO/Briquettes/Biomass Fuel/Gas	1	14	0.4	120
3	Boiler	FO/Briquettes/Biomass Fuel/Gas	1	14	0.4	120
4	Scrubber	NA	1	9.0	0.2	40
5	Scrubber	NA	1	6.5	0.2	40
6	Scrubber	NA	1	6.5	0.2	40
7	Scrubber	NA	1	9.0	0.2	40
8	Scrubber	NA	1	9.0	0.2	40
9	Scrubber	NA	1	9.0	0.2	40

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	FO/Briquettes/Biomass Fuel/Gas	1.0	1.0	2.0 TPD/KLD

41.Source of Fuel Local vendor

42.Mode of Transportation of fuel to site By Road

43.Green Belt Development	Total RG area :	765.00
	No of trees to be cut :	NA
	Number of trees to be planted :	40
	List of proposed native trees :	Given Below
	Timeline for completion of plantation :	Oct 17


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	05	Medicinal plant
2	Delonix regia	Gulmohar	05	Used in pesticide & dye preparation
3	Mimusopes elengi	Bakul	05	Evergreen tree, timber yielding and medicinal plant
4	Saraca indica	Sita ashok	10	Evergreen medicinal plant
5	Roystonea regia	Royal palm	10	Nitrogen fixer, ornamental plant
6	Neolamarkia cadamba	Kadamba tree	05	Tropical fruit tree & bird attracting 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


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47. Energy

Power requirement:	Source of power supply :	MSEB
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	500 KVA
	During Operation phase (Demand load):	375 KVA
	Transformer:	500 KVA
	DG set as Power back-up during operation phase:	2 X 200 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

use of LED lights

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	use of LED lights	NA

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Emissions from Process	Scrubber	Scrubber
Effluent generation	ETP	MEE
Noise	Acoustic Enclosures	Acoustic Enclosures
Hazardous waste	CHWTSDF	CHWTSDF

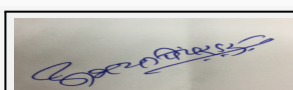
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	2.0
	O & M cost:	0.15

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):



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Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	PM-10, PM 2.5, SO2 etc	10.0	1.0
2	Water Pollution Control	pH, COD, BOD, TSS etc	45.0	7.50
3	Noise Pollution Control	Noise	5.0	0.25
4	Hazardous Waste	Soil Contamination	2.0	5.0
5	Green Belt	Plantation	0.50	0.25
6	Occupation health	Safety Mesaures	5.0	1.0

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


Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Sulphuric Acid	Corrosive	MS Tank	50	50	30-45	Local vendors	By road
Hydrochloric Acid	Corrosive	HDPE tank	15	15	10-12	Local vendors	By road
Oleum (23 %)	toxic	MS Tank	30	30	25	Local vendors	By road
Nitric Acid	Corrosive	Aluminium Tank	25	25	20	Local vendors	By road

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	three
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	300
	Area per car:	15
	Area per car:	15
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6.0
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5(F) B1
	Court cases pending if any	NA
	Other Relevant Informations	TOR is approved in 135th SEAC meeting dated 22/09/2016.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	06-09-2016
Brief information of the project by SEAC		


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PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. The proposal was considered by earlier SEAC-1 in their 135th meeting held on 21st to 23rd September, 2016 wherein ToR was granted to the project. PP submitted the EIA/EMP report for the appraisal in 140th meeting wherein it was decided to defer the proposal till PP submits compliance of following points,

1. The list of products existing and proposed mentioned in the column No. 31 of the Consolidated Statement is not clear; PP to submit clear list of existing and proposed products.
2. PP to submit undertaking for not having any ecological sensitive area with the study area of the project as per EIA Notification, 2006.
3. It was observed that the mangroves are at a distance of 1.3 KM from proposed site; PP to submit impact of proposed activity on the mangroves and mitigation measures.
4. PP proposes Zero Liquid Discharge and also proposes 5 KLD fresh water for gardening; PP to submit clarification on the same.
5. PP to submit design details of scrubbing system proposed in the project along with calculations and nature of pollutants.
6. PP to submit copy of on site /off site emergency plan.
7. PP to submit structural stability certificate of existing buildings.
8. PP to carry out detailed HAZOP and QRA study and submit the report.
9. PP to submit lay out plan showing internal roads, location of pollution control equipment, parking areas, 33% green belt, rain water harvesting etc.
10. PP to submit an undertaking for Zero Liquid Discharge and submit design details of pollution Control Equipment proposed for achieving Zero Liquid Discharge.
11. PP to submit details of utilization of 2,3 Dibromo Benzene.


The proposal was again considered in the 144th meeting held on 17th November, 2017 wherein proposal was deferred till the submission of compliance of following points.

1. It was observed that PP has not provided 33% green belt in proposed expansion; PP to provide the same and submit corrected layout plan.
2. PP to submit product list along with their capping quantity for each product. PP to design all pollution control equipment based on the worst polluting product data. PP to submit an undertaking for achieving out let parameters of ETP as per standards stipulated by State/Central Pollution Control Board.
3. PP to specify names and quantity of spent acid generated from the process and its disposal method.
4. No fresh water to be used for gardening as PP proposes Zero Liquid Discharge.
5. PP to explore possibility to reduce carbon dioxide generation/ MT of product by reducing energy consumption etc. PP to submit calculations in this regard.

Now PP submitted the compliance of above points.

Now PP submitted capping of the product as below,

Sr. No.	Name of Product	Capping Qty. (MT/M)
1	3,5-Dinitrobenzoic Acid	33
2	Meta Nitrobenzoic Acid	10
3	Meta Nitro Benzoic acid	10
4	3,5-Dinitro Salicylic Acid	10
	Mucic Acid	10
	Michler's Hydrol	10
	2-Thiobarbituric Acid	33
	3,5-Dinitro Aniline	10
	Meta Amino Benzoic Acid	5
	Lead Sulphate	5
	2,3-Dimethylbromobenzene (BR-Xylidine)	25
	4-Chloronitrobenzene (In 55% DMF Solution)	25
	Ethyl-N-(4-Nitro-Phenoxy)-Acetimidate	25
	O-(4Nitrophenyl)-Hydroxylamine	25
	5,5 Azobis(2,4,6-Pyrimidinotriol) OR (A B Acid)	25
	3,5 DaminoBenzoic Acid	15
	5-Nitro Isophthalic Acid	15
	4,4' Methylenebis(N,N-Dimethylaniline)	15
	2,4,6,8-Tetra HydroxyPyrimido[5,4,-d] Pyrimidine	15
	Nitro Orotic Acid	15
	2-Thiobarbituric Acid(Sodium Salt)	25
	Ethyl N-Hydroxyacetimidate	25
	By products	
	Spent Acid	180


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DECISION OF SEAC

After detailed deliberations, SEAC decided to recommend the proposal for prior Environment Clearance to the SEIAA.


Specific Conditions by SEAC:

- 1) PP to submit list of trees and its quantity to be planted in the green belt.
- 2) PP to provide solar energy for administrative building and street lights.

FINAL RECOMMENDATION


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

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148th Meeting of State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 148th Meeting Date February 27, 2018

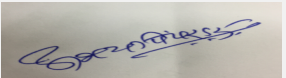
Subject: Environment Clearance for CONSTRUCTION FOR INDUSTRIES

1.Name of Project	GAJANAN AGRO INDUSTRIES
2.Type of institution	Private
3.Name of Project Proponent	GAJANAN KISANRAO RAUT
4.Name of Consultant	PRASAD GAYAKI
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	NA
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	A86
9.Taluka	KHAMGAON
10.Village	SUTALA BK
Correspondence Name:	AT POST SUTALA BK
Room Number:	05
Floor:	1
Building Name:	SHYAM HOUSE
Road/Street Name:	SHIVAJI NAGAR
Locality:	SUTALA BK
City:	KHAMGAON
11.Area of the project	OTHER
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 1800
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.)	1800
16.Deductions	300
17.Net Plot area	1500
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 1500
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	1000000

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

31.Production Details

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

32.Total Water Requirement

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


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


Details of Swimming pool (If any)	Not applicable
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33.Details of Total water consumed

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


34.Rain Water Harvesting (RWH)	Level of the Ground water table:	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


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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
2					
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			


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

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	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	ASHOKA	ASHOKA	40	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


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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):	3
	Transformer:	YES
	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	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)


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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
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.	No


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	Date of online submission	-
Brief information of the project by SEAC		
DECISION OF SEAC		
PP remained absent hence SEAC decided to defer the proposal till PP confirms his readiness for the presentation.		
Specific Conditions by SEAC:		
FINAL RECOMMENDATION		
SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days		

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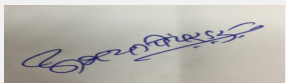
Subject: Environment Clearance for Basalt Stone Quarry of M/s. R.M.K Infrastructure Pvt Ltd; Gut No: 36 (Part),Vill.- Mangarul, Tal. -Maval, Dist. - Pune , Maharashtra.

1.Name of Project	M/s. R.M.K Infrastructure Pvt Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ranjeet Ramdas Kakade
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
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Gut No: 36 (Part),Vill.- Mangarul, Tal. -Maval, Dist. - Pune , Maharashtra.
9.Taluka	Maval
10.Village	Mangarul
Correspondence Name:	M/s. R.M.K Infrastructure Pvt Ltd
Room Number:	Not Applicable
Floor:	Not Applicable
Building Name:	RMK Square
Road/Street Name:	Po-Vishnupuri, Talegaon - Chakan Road.
Locality:	Talegaon Station , Maval Taluka
City:	Pune, Maharashtra
11.Area of the project	Pune Municipal corporation
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable IOD/IOA/Concession/Plan Approval Number: Not Applicable Approved Built-up Area:
13.Note on the initiated work (If applicable)	No work initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	6.63 Ha
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.):
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	2000000

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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Basalt Stone	NA	10266	10266


32.Total Water Requirement

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


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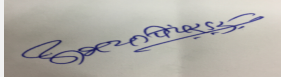
Wet season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water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

Details of Swimming pool (If any) Not applicable

33.Details of Total water consumed


Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	-	1.0	1.0	-	0.2	0.2	-	0.8	0.8
Industrial Process	-	10.0	10.0	-	10.0	10.0	-	0.0	0.0
Gardening	-	12.0	12.0	-	12.0	12.0	-	0.0	0.0

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	2-5 meters below ground level
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not Applicable



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35.Storm water drainage	Natural water drainage pattern:	The slope of the area is towards West. The run-off will be maintained by providing garland drains around the quarry boundary to maintain the natural pattern.
	Quantity of storm water:	Maximum of 572 m3/hr of storm water will be generated within the lease area.
	Size of SWD:	The runn off will be connected to the garland drains.
Sewage and Waste water	Sewage generation in KLD:	0.8
	STP technology:	Not Applicable. Septic tank followed by soak pit will be provided.
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	1,00,000
	Budgetary allocation (O & M cost):	10,000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	The overburden that will be generated is 200 T/Annum.
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	Dry waste:	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Overburden will be backfilled in the mine pit.
Mode of Disposal of waste:	Dry waste:	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Overburden will be backfilled in the mine pit area.
Area requirement:	Location(s):	Overburden will be backfilled in the mine pit area of 0.9 Ha.
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not Applicable
	O & M cost:	Not Applicable
37.Effluent Charecterestics		


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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable

41.Source of Fuel

Not Applicable

42.Mode of Transportation of fuel to site

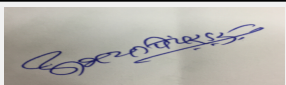
Not Applicable

43.Green Belt Development

Total RG area :	0.9 Ha
No of trees to be cut :	Not Applicable
Number of trees to be planted :	1286
List of proposed native trees :	Not Applicable
Timeline for completion of plantation :	Not Applicable


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	Nerium oleander	Kaner	86	A native hardy species, drought resistant with fragrant flowers.
2	Terminalia elliptica	Ain	150	A native evergreen broad leaved tree common in the Sahyadris.


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3	Cassia fistula	Bahava	150	Native ornamental tree having flowers attracting bees and butterflies
4	Helicteres isora	Murudsheng	150	A native shrub extensively found in the tracts & plains of sahyadri used as roost plant by variety of birds.
5	Albizia lebbeeck	Sirish	150	A native tree with thick canopy.
6	Moullava spicata	Waghati	150	A native evergreen shrub usually visited by birds and abundantly found in Sahyadris
7	Ervatamia divaricata	Ananta	150	A native tree blooming through the year
8	Bombax ceiba	Sawar	150	A native tree with large showy flowers visited by birds.
9	Derris indica	Karanja	150	A native tree blooming throughout the year

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 :	Not Applicable
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	Not Applicable
	During Operation phase (Demand load):	Not Applicable
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	Not Applicable
	Fuel used:	Not Applicable
	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 %
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1	Not Applicable	Not Applicable
50.Details of pollution control Systems		
Source	Existing pollution control system	Proposed to be installed
Dust Pollution	--	Sprinkling will be done on the haul roads. Mist spraying will be done to keep the stone wet to prevent escape of fugitive emissions. The approach roads will be black topped . A thick green belt will be maintained around the lease area and on both sides of the haul roads.
Noise Pollution	--	A thick green belt will be maintained around the lease area and on both sides of the haul roads. Appropriate PPE's like ear muffs and ear plugs will be provided to workers exposed to high frequency noise.
Solid waste pollution	--	The overburden will be used for green belt development , surplus will be backfilled in the pit and afforestation will be done.
Sewage Pollution	--	Septic tank followed by soak pit will be provided.

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):


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 Pollution	Black topping of approach roads	1.5 lakhs	0.15 lakhs
2	Air Pollution	Sprinkling of water on quarry and haul roads	--	1.0 lakh
3	Air Pollution & Noise Pollution	Thick green belt development	1.5 Lakhs	0.2 lakh
4	Reclamation of pit area/ Overburden management	Afforestation will be done in the pit area	1.0 Lakhs	0.2 lakh
5	Sewage Pollution	Septic tank followed by soak pit will be provided	1.0 Lakhs	0.1 lakh


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

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


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Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
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52.Any Other Information

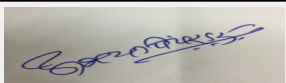
No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable
Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Not Applicable
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	There are no protected areas within 15 km of quarry site.
	Category as per schedule of EIA Notification sheet	1 (a)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-


Brief information of the project by SEAC

PP submitted their application for prior Environment Clearance under category 1(a)B2 for the stone mining on the area of 6.63 Ha.


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DECISION OF SEAC

After deliberations, it was observed that PP was not present for the presentation and his representative was not having adequate information to present before the SEAC. The mining plan submitted is inadequate and inconsistent.

In view of above SEAC decided to defer the proposal and pointed out issues as mentioned below.

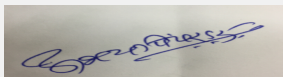
PP directed to submit the information as required below along with complete information of the project for further appraisal.

Specific Conditions by SEAC:

- 1) PP to submit details of ownership documents of the proposed land.
- 2) PP to submit point wise compliance and action report on the conditions stipulated in the letter received from Dy. Director Geology and Mining , Kolhapur on 27.09.2017.
- 3) PP to submit over burden management plan.
- 4) PP to submit revised mining plan authenticated by the Directorate of Geology and Mining specifically for mine closure plan, authentication on the map attached to the approved mining letter issued by Dy. Director Geology and Mining, Kolhapur.
- 5) PP to submit EMP along with approved Mine Closure Plan.
- 6) PP to submit copy of blasting permission from the Competent Authority for proposed mining site
- 7) PP to submit details about the safety measures to be undertaken for workers and surrounding habitents during mining activity.
- 8) PP to submit technical report on effect of proposed mining activities on the regimes of underground water.
- 9) PP to include in EMP the mitigation measures for air pollution, noise pollution, soil pollution etc.
- 10) PP to ensure that mining activity shall be limited to the day hours only.
- 11) PP to submit approved layout plan of the site mentioning there in surrounding areas along with the distances from various activities in the vicinity. PP also to submit copies of first lease of each mine as mentioned in the layout plan to verify the compliance as stipulated in the MoEF Notification No. S.O. 2269 dated 01.07.2016.
- 12) No mining shall be carried out in the safety zone of any structures exists in the vicinity.
- 13) The lease holder shall obtain necessary prior permissions from the competent Authority for withdraw of requisite quantity of ground/surface water, if required for the proposed project.
- 14) Waste water, if any, shall be properly collected and treated so as to conform to the standards prescribed by MoEF/CPCB.
- 15) No wild life habitat shall be infringed.
- 16) PP to ensure that Public Places shall not be used for parking of vehicles deployed for transport of minerals. PP to reserve sufficient parking space within their plot.
- 17) PP to submit detailed methodology to ensure that transportation of the minerals is properly covered with suitable material.
- 18) PP to submit plan and proposed mitigation measures to be adopted to prevent the nearby settlement from the adverse impact of mining activities. Maintenance of roads through which transportation of minor minerals is to be undertaken, shall be carried out regularly so as to avoid inconvenience to the villagers.
- 19) PP to provide first aid facilities on proposed site.
- 20) PP to make provision for housing the workers at site, if required, with all necessary infrastructure and facilities such as fuel for cooking, safe drinking water, medical health care and sanitation etc.
- 21) PP to take measures to keep noise levels below the prescribed limits of CPCB.
- 22) PP to make available funds for EMP and maintain separate accounts for this fund. This fund shall not be diverted for any other purpose.
- 23) PP to ensure mapping and protection of all trees existing on the site.

FINAL RECOMMENDATION


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



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

148th Meeting of State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 148th Meeting Date February 27, 2018

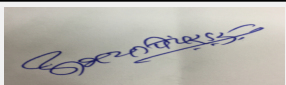
Subject: Environment Clearance for Basalt Stone Quarry of M/s. R.M.K Infrastructure Pvt Ltd; Gut No:110/1/A,110/1/B,111 & 115/4 (Part),Vill.- Ambale, Tal. -Maval, Dist. - Pune , Maharashtra.

1.Name of Project	M/s. R.M.K Infrastructure Pvt Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ranjeet Ramdas Kakade
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
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Gut No:110/1/A,110/1/B,111 & 115/4 (Part),Vill.- Ambale, Tal. -Maval, Dist. - Pune , Maharashtra.
9.Taluka	Maval
10.Village	Ambale
Correspondence Name:	M/s. R.M.K Infrastructure Pvt Ltd
Room Number:	Not Applicable
Floor:	Not Applicable
Building Name:	RMK Square
Road/Street Name:	Po-Vishnupuri, Talegaon - Chakan Road.
Locality:	Talegaon Station , Maval Taluka
City:	Pune, Maharashtra
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable IOD/IOA/Concession/Plan Approval Number: Not Applicable Approved Built-up Area:
13.Note on the initiated work (If applicable)	No work initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	6.96 Ha
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	2000000

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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Basalt Stone	NA	17100	17100


32.Total Water Requirement

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


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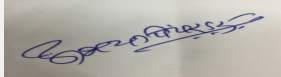
Wet season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water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

Details of Swimming pool (If any) Not applicable

33.Details of Total water consumed


Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	-	1.0	1.0	-	0.2	0.2	-	0.8	0.8
Industrial Process	-	10.0	10.0	-	10.0	10.0	-	0.0	0.0
Gardening	-	12.0	12.0	-	12.0	12.0	-	0.0	0.0

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	2-5 meters below ground level
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not Applicable



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35.Storm water drainage	Natural water drainage pattern:	The slope of the area is towards south . The run-off will be maintained by providing garland drains around the quarry boundary to maintain the natural pattern.
	Quantity of storm water:	The maximum of 626.4 m3/day of storm water will be generated within the lease area which will be drained through the garland drains.
	Size of SWD:	The run-off will be connected to the garland drains.
Sewage and Waste water	Sewage generation in KLD:	0.8
	STP technology:	Not Applicable. Septic tank followed by soak pit will be provided.
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	1,00,000
	Budgetary allocation (O & M cost):	10,000
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:	The overburden / mine wastes i.e 200 T/A will be back filled in the pit.
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Overburden will be backfilled in the mine pit.
Mode of Disposal of waste:	Dry waste:	The overburden / mine wastes i.e 200 T/A will be back filled in the pit.
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Overburden will be backfilled in the mine pit area.
Area requirement:	Location(s):	Overburden will be backfilled in the mine pit area of 0.070 Ha
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not Applicable
	O & M cost:	Not Applicable
37.Effluent Charecterestics		


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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable

41.Source of Fuel

Not Applicable

42.Mode of Transportation of fuel to site


Not Applicable

43.Green Belt Development

Total RG area :	0.9 Ha
No of trees to be cut :	Not Applicable
Number of trees to be planted :	1356
List of proposed native trees :	Not Applicable
Timeline for completion of plantation :	Not Applicable


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	Heterophragma quadriloculare	Waras	80	A native deciduous tree visited by nectar feeding birds. Large leaf area helps in settling of dust.
2	Oroxylum indicum	Tetu	95	A native ornamental tree.


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(Chairman SEAC-I)


3	Nerium oleander	Kaner	95	A native hardy species, drought resistant with fragrant flowers.
4	Schleichera oleosa	Kusum	90	A native tree found in abundance in Sahyadris.
5	Terminalia elliptica	Ain	95	A native evergreen broad leaved tree common in the Sahyadris.
6	Terminalia paniculata	Kindal	90	Kindal is a tropical tree with a large natural distribution in Western Ghats
7	Catunaregum spinosa	Gela	86	Mountain Pomegranate is an armed shrub or small native evergreen tree
8	Butea monosperma	Palash	75	A native brilliantly flowering tree fed by local birds fairly common and abundant across the Thane District.
9	Erythrina variegata	Pangahara	90	A highly valued native ornamental tree.
10	Cassia fistula	Bahava	110	Native ornamental tree having flowers attracting bees and butterflies
11	Helicteres isora	Murudsheng	70	A native shrub extensively found in the tracts & plains of sahyadri used as roost plant by variety of birds.
12	Tabernaemontana alternifolia	Naag kuda	95	A small evergreen native tree
13	Macaranga peltata	Chandwar	90	A native tree found in abundance across the sahyadri range
14	Albizia lebbeck	Sirish	95	A native tree with thick canopy.
15	Azadirachta indica	Neem	100	A native evergreen tree known for plantation in polluted area.

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


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Power requirement:	Source of power supply :	Not Applicable
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	Not Applicable
	During Operation phase (Demand load):	Not Applicable
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	Not Applicable
	Fuel used:	Not Applicable
	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
Dust Pollution	--	Sprinkling will be done on haul roads, mist sprinkling will be done to keep the stone wet to prevent escape of fugitive emissions. Approach roads will be black topped. A thick green belt will be maintained around the lease area & on both side of haul roads.
Noise Pollution	--	A thick green belt will be maintained around the lease area & on both sides of haul roads. Appropriate PPE's like ear muffs & ear plugs will be provided to workers exposed to high frequency noise.
Solid Waste Pollution	--	The overburden will be used for green belt development, Surplus will be back filled in the pit & afforestation will be done.
Solid Waste Pollution	--	The overburden will be used for green belt development, Surplus will be back filled in the pit & afforestation will be done.

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):


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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Pollution	--	--
2	Noise Pollution	--	--
3	Sewage Pollution	--	--

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution	Black topping of approach roads	1.5 Lakhs	0.15 Lakhs
2	Air Pollution	Sprinkling of water on quarry & haul roads	-	1.0 Lakhs
3	Reclamation of pit area/Overburden management	Afforestation will be done in the pit area	1.0 Lakhs	0.2 Lakhs
4	Sewage Pollution	septic tank followed by soak pit will be provided	1.0 Lakhs	1.0 Lakhs
5	Air & Noise Pollution	Thick green belt will be developed	1.5 Lakhs	0.2 Lakhs

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


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

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Not Applicable
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Dr. Umakant Dangat (Chairman SEAC-I)

Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Not Applicable
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	There are no protected areas within 15 km of quarry site.
	Category as per schedule of EIA Notification sheet	1 (a)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
Brief information of the project by SEAC		
PP submitted their application for prior Environment CLerance under category 1(a)B2 for the stone mining on the area of 6.96 Ha.		
DECISION OF SEAC		


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

After deliberations, it was observed that PP was not present for the presentation and his representative was not having adequate information to present before the SEAC. The mining plan submitted is inadequate and inconsistent.

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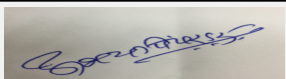
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- 9) PP to include in EMP the mitigation measures for air pollution, noise pollution, soil pollution etc.
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- 14) Waste water, if any, shall be properly collected and treated so as to conform to the standards prescribed by MoEF/CPCB.
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- 17) PP to submit detailed methodology to ensure that transportation of the minerals is properly covered with suitable material.
- 18) PP to submit plan and proposed mitigation measures to be adopted to prevent the nearby settlement from the adverse impact of mining activities. Maintenance of roads through which transportation of minor minerals is to be undertaken, shall be carried out regularly so as to avoid inconvenience to the villagers.
- 19) PP to provide first aid facilities on proposed site.
- 20) PP to make provision for housing the workers at site, if required, with all necessary infrastructure and facilities such as fuel for cooking, safe drinking water, medical health care and sanitation etc.
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- 22) PP to make available funds for EMP and maintain separate accounts for this fund. This fund shall not be diverted for any other purpose.
- 23) PP to ensure mapping and protection of all trees existing on the site.


FINAL RECOMMENDATION

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


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148th Meeting of State Expert Appraisal Committee (SEAC-1)

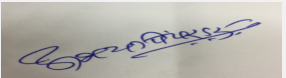
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Subject: Environment Clearance for NANDKRISHNA CHEMICAL PRIVATE LIMITED

1.Name of Project	Expansion project of manufacturing of synthetic organic chemicals and allied chemicals
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rajesh Shah and Mr. Ashish Kulkarni
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. B-10, MIDC Nardana
9.Taluka	Sindkheda
10.Village	Bhabhale
11.Area of the project	Gram Panchayat, Babhale.
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 3300
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	Not applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	44540000


22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
23.Number of tenants and shops	Not applicable		
24.Number of expected residents / users	Not applicable		
25.Tenant density per hectare	Not applicable		
26.Height of the building(s)			


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27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	6 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable


31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Aluminium Chloride Hexa hydrate	0.5	00	0.5
2	Ammonium Iodide	0.15	00	0.15
3	Di Ammonium Hydrogen Phospahte	0.27	00	0.27
4	Di Potassium O-Phosphate anhydrous	1	00	1
5	Di Sodium Tetra borate decahydrate	0.24	00	0.24
6	Ferric Sulphate monohydrate	0.1	00	0.1
7	Iodophor	2	00	2
8	Phosphotungstic Acid	10	00	10
9	Phosphomolybdic Acid	2	00	2
10	Potassium Meta Vanadate	0.125	00	0.125
11	Silicotungstic Acid	15	00	15
12	Sodium Meta Vnadate	0.15	00	0.15
13	Carbon Disulphide Repacking	3	00	3
14	Diethyl Ether - Anaesthetic Ether	00	10	10
15	Diethyl Ether - Solvent Ether	00	45	45
16	Phenyl Hydrazine HCL	00	10	10
17	2,4 Dinitro Phenyl Hydrazine	00	3	3
18	Hydrazine Sulphate	00	5	5
19	Maleic Acid	00	2	2
20	Maleic Hydrazide	00	2	2
21	Fumaric Acid	00	2	2


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22	Anthrone	00	1	1
23	Dithizone	00	1	1
24	1,5 Diphenyl Carbazide	00	1	1
25	Diphenyl Carbazone	00	0.5	0.5
26	Paradimethyl Amino Benzaldehyde	00	0.5	0.5
27	Benzanilide	00	3	3
28	Phenoxy Isopropyl Amine	00	10	10
29	Bromo-4 benzyloxy Propiophenone	00	5	5
30	Nak - Normal -1- (4-benzyloxy phenyl)-2-(1-methyl -2- phenoxy ethylamino) - propanone - 1-hydrochloride	00	5	5
31	2 Bromo,4-5 Dimethoxy Benzyl Bromide	00	5	5
32	3,4 Dimethoxy Benzaldehyde (Veratraldehyde)	00	5	5
33	5- Acetyl Methyl Salicylate	00	5	5
34	3,4,5 Trimethoxy Benzoic Acid	00	3	3
35	3,4,5 Trimethoxy Benzaldehyde	00	3	3
36	2 Amino 2 Phenyl butyric Acid	00	3	3
37	2-Dimethylamino 2 Phenyl butanol	00	3	3
38	Methyl 2- Dimethyl Amino 2- phenyl Butyrate	00	3	3
39	4 Methoxyphenyl Acetone	00	3	3
40	M- Nitro benzaldehyde	00	2	2
41	Halquinol	00	20	20
42	By-Products	--	--	--
43	Precipitated Silica	00	1.35	1.35
44	Bisulphite Solution	00	0.13	0.13
45	Sodium Sulphate Solid	00	15.478	15.478

32.Total Water Requirement


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Dry season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	75 CMD
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	


33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	2.0	0.0	2.0	0.5	0.0	1.0	1.5	0.0	1.5
Industrial Process	2.7	10.3	13.0	2.7	(+) 1.2	3.9	0.0	11.5	11.5
Cooling tower & thermopack	6.9	6.7	13.6	4.2	4.9	9.1	2.7	1.8	4.5
Gardening	3.0	2.0	5.0	3.0	2.0	5.0	0.0	0.0	0.0


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Fresh water requirement	14.6	19.0	33.6	10.4	8.1	18.5	4.2	13.3	17.5
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	NA
	Size and no of RWH tank(s) and Quantity:	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:	Provided by MIDC
	Quantity of storm water:	NA
	Size of SWD:	NA

Sewage and Waste water	Sewage generation in KLD:	1.5
	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:	Nil
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	1. ETP Sludge + Salts from Evaporator(TPA) = Existing 0.84 TPA + 00 TPA proposed 5.68 + 343.2 TPA Total- 349.72 TPA 2. Process residue (TPA)= Existing 00 TPA + proposed 5.77(Anesthetic & solvent Ether) + 24.86 (Process) Total- 30.63 3. Spent Carbon (TPA)- Existing 0.2 TPA Proposed- 1.4 TPA Total- 1.6 TPA 4. Empty Drums (Nos.) - existing - 00 Nos. Proposed - 100 Nos.Total - 100 Nos.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA


Mode of Disposal of waste:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	CHWTSDF, Ranjangaon
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	Manufacturing Area, Admin Area , ETP, etc.
	Area for the storage of waste & other material:	900 Sq.m.
	Area for machinery:	61 Sq.m.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Included in to total cost
	O & M cost:	NA

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	---	4-9	6.5-8.5	--
2	BOD (3 days 27° C)	mg/L	1800-2250	80-90	--
3	COD	mg/L	4000-5000	200-230	--
4	TSS	mg/L	400-500	80-90	--
5	Oil & Grease	mg/L	10-15	5-7	--
6	TDS	mg/L	80000-100000	<100	--
Amount of effluent generation (CMD):		17.5			
Capacity of the ETP:		25 CMD			
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		Primary , Secondary , Tertiary and treated effluent water passes through RO, permeate is recycle and reuse and RO reject treated in Evaporator.			
Disposal of the ETP sludge		CHWTSDF, Ranjangaon			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	35.3	TPA	0.84+ 00	5.68 + 343.2	349.72	CHWTSDF, Ranjangaon
2	Process residue	28.1	TPA	00	5.77 (Anesthetic & solvent Ether)+ 24.86(Process)	30.63	CHWTSDF, Ranjangaon
3	Spent Carbon (ETP)	36.2	TPA	0.2	1.4	1.6	CHWTSDF, Ranjangaon
4	Empty Drums	33.1	Nos./M	00	100	100	Sale to authorized recycler
5	Non-hazardous	-	-	-	-	-	-


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6	PVC Woven Sack	-	Nos/M	50	-	50	Sale
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39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (0.3 TPH)	LDO (25 Kg/hr)	1	15	0.25	145 degree C
2	Thermopac(3 Lac Kcal/hr)	FO(42.01 Kg/hr)	2	20	0.25	145 degree C
3	DG set(125 KVA)	HSD (28 lit/hr)	3	3.5	0.20	180 degree C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO	00	25 kg/Hr (For Boiler)	25 Kg/hr (For Boiler)
2	FO	5000 lit/D (Used for boiler & themopac)	42.01 kg/Hr (For Thermopac)	42.01 Kg/hr(For Thermopac)
3	HSD	200 Ltr/D	28 Lit/Hr	28 lit/hr

41.Source of Fuel

Local Market

42.Mode of Transportation of fuel to site

Tanker / Truck

43.Green Belt Development

Total RG area :	2178 Sq.m.
No of trees to be cut :	NA
Number of trees to be planted :	230
List of proposed native trees :	Pimpal, False Ashok , Neem, Palm
Timeline for completion of plantation :	6 Month After EC


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ficus religiosa	Pimpal	20	Dust Resistant and Local Variety
2	Polyalthia longifolia	False Ashok	110	sound Barrier and Local Variety
3	Azardirachta indica	Neem	35	Dust Resistant and Medicinal Value
4	Anthosephalus cadamba	Kadamb	35	Dust barrier and Local variety
5	Terminalia arjuna	Arjun	30	Dust barrier and Local variety

45.Total quantity of plants on ground


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

Serial Number	Name	C/C Distance	Area m2
1	Thevetia pearuviana (Kanher)	1.5 m	15
2	Bougainvillea galvara	2 m	20


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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):	247 KW
	During Operation phase (Demand load):	247 KW
	Transformer:	150 KVA
	DG set as Power back-up during operation phase:	125 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

NA

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	By dispersal into atmosphere through chimney of adequate/recommended height.	Stack of Thermopac Will be increased by 5 meter
Water	Effluents generating from process is separating in two streams. High TDS stream being treated separately in a Evaporator of capacity 13 CMD. Condensate of MEE is mix with Low TDS & COD stream. Then it is treated in full-fledged Effluent treatment plant having capacity 25 CMD. Treated water passes through RO, permeate is recycle and reuse and RO reject treated in Evaporator. Unit will be running Zero liquid discharge	NA
Noise	Acoustic enclosure for Existing D.G of 125 KVA & PPE	NA
Solid Waste	Hazardous waste disposed to CHWTSDF	NA

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


51. Environmental Management plan Budgetary Allocation



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a) Construction phase (with Break-up):				
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)	
1	NA	NA	NA	
b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	Fuel burning, Stack/chimneys, Scrubbers - 02 Number	5	1.5
2	Water Pollution control	ETP Upgrading & Modernisation 25 CMD, RO Plant, Evaporator, Waste minimization of effluent recycle	73	1.46
3	Water Pollution control	ETP Upgrading & Modernisation 25 CMD, RO Plant, Evaporator, Waste minimization of effluent recycle	73	1.46
4	Noise pollution control	Acoustic encl./ Ant vibration pads	1	1
5	Occupational health	Medical checkup ,Health insurance policy	4	1.35
6	Green belt	green belt development	1	0.4
7	Non-hazardous waste storage & Disposal	Transportation and disposal	1	1.4
8	Total	-	85	7.11


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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Alluminium Hydrate	Solid	HDPE Drum	0.2	0.2	0.167	Local	By Road
Ammonia	Liquid	HDPE Drum	0.2	0.2	0.198	Local	By Road
Di-Sodium Tetraborate	Solid	HDPE Bag	0.25	0.5	0.250	Local	By Road
Diethyl Ether	Liquid	MSGI Drum	5	20	13.500	Local	By Road
Di - Sodium Phosphate	Solid	HDPE Drum	0.5	1	0.6666	Local	By Road
Ferous sulphate	Solid	HDPE Drum	0.2	1	0.1111	Local	By Road
Hydrochloric Acid	Liquid	HDPE Drum	5	21	14.200	Local	By Road
Iodine	Solid	HDPE Drum	0.1	1	0.102	Local	By Road
hydrogen peroxide	Liquid	HDPE Drum	0.5	1	0.048	Local	By Road
Molybdenum Trioxide	Solid	HDPE Drum	1	2	2.0	Local	By Road
Nitric Acid	Liquid	HDPE Drum	0.15	0.5	0.10222	Local	By Road
NPEO	Solid	Fibre Drum	0.3	1	0.220	Local	By Road
Phosphoric Acid	Liquid	HDPE Drum	1	2	1.27758	Local	By Road
Potassium Hydroxide	Solid	HDPE Drum	0.5	1	0.8411	Local	By Road



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Sodium Hydroxide	Solid	HDPE Drum	0.2	1	0.040	Local	By Road
Sodium Silicate	Liquid	HDPE Drum	3	5	6.500	Local	By Road
Sodium Tungstate	Solid	HDPE Drum	5	10	27.250	Local	By Road
Sulfuric Acid	Liquid	HDPE Drum	1	1	0.02888	Local	By Road
Vanadium Pentoxide	Solid	HDPE Drum	0.3	0.5	0.200	Local	By Road
Carbon Di - Sulphide Repacking	Liquid	SS tank	0.1	5	3.0	Local	By Road
1,5 diphynyl carbazide	Solid	HDPE Drum	0.2	0.2	0.625	Local	By Road
2 amino 2 phynyl buteric acid	Solid	HDPE Drum	3	3	8.275	Local	By Road
2,4 Dinitrochloro benzene	Solid	HDPE Drum	3	5	7.629	Local	By Road
3 hydroxy 4 methyl benzaldehyde	Liquid	HDPE Drum	3	5	9.524	Local	By Road
3,4,5 trimethoxy toulene	Liquid	HDPE Drum	2	3	3.600	Local	By Road
4 hydroxy propiophenone	Liquid	HDPE Drum	2	2	5.401	Local	By Road
Acetic acid	Liquid	HDPE Drum	1	2	1.336	Local	By Road
Acetone	Liquid	HDPE Drum	5	8	16.733	Local	By Road
Acetyl chloride	Liquid	HDPE Drum	1	3	3.653	Local	By Road
Aluminium chloride	Solid	HDPE Drum	3	5	7.230	Local	By Road
Ammonia	Liquid	HDPE Drum	3	5	11.066	Local	By Road
Ammonium chloride	Solid	HDPE Drum	2	2	2.481	Local	By Road
Aniline	Liquid	HDPE Drum	2	3	1.440	Local	By Road
Antroquinone	Solid	HDPE Drum	1	2	3.500	Local	By Road
Benzaldehyde	Liquid	HDPE Drum	5	15	15.0	Local	By Road
Benzoyl chloride	Liquid	HDPE Drum	2	3	2.304	Local	By Road
Benzyl chloride	Liquid	HDPE Drum	3	4	3.804	Local	By Road
Bromine	Liquid	Glass Bottle	3	10	13.737	Local	By Road
Chlorine	gas	MS Tunner	3	5	7.692	Local	By Road
Copper iodide	Solid	HDPE Drum	0.75	0.75	0.750	Local	By Road
Carbon disulphide	Liquid	MS Tank	3	10	0.0303	Local	By Road
Cyclohexane	Liquid	HDPE Drum	3	10	17.042	Local	By Road
Di methyl formamaide	Liquid	HDPE Drum	1	3	5.400	Local	By Road
Di methyl sulphate - DMS	Liquid	HDPE Drum	3	5	18.189	Local	By Road
Di methyl sulphate - DMS	Liquid	HDPE Drum	3	5	18.189	Local	By Road
Ethyl Acetate	Liquid	HDPE Drum	3	5	4.794	Local	By Road
Ethyl Alcohol	Liquid	MS Tank	24	24	98.214	Local	By Road
Ethylene di-chloride	Liquid	HDPE Drum	2	4	5.384	Local	By Road
Ethylen di chloride toulene	Liquid	HDPE Drum	1	6	6.0	Local	By Road
formaldehyde	Liquid	HDPE Drum	1	3	5.193	Local	By Road
formic acid	Liquid	HDPE Drum	1	3	6.435	Local	By Road
hydrogen peroxide 50 %	Liquid	HDPE Drum	3	10	30.960	Local	By Road
HBR 47 %	Liquid	HDPE Drum	2	10	86.640	Local	By Road
hydrazin hydrate	Liquid	HDPE Drum	3	5	7.298	Local	By Road
hydrazine sulphate	Solid	HDPE Drum	1	3	2.307	Local	By Road


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hydrochloric acid	Liquid	HDPE Drum	3	5	8.620	Local	By Road
hydrochloric acid 30 %	Liquid	HDPE Drum	3	5	12.666	Local	By Road
hydrogen peroxide	Liquid	HDPE Drum	0.5	1	0.16666	Local	By Road
IPA	Liquid	MS Drum	1	3	5.761	Local	By Road
Magnease dioxide	Solid	HDPE Drum	1	2	2.400	Local	By Road
maleic anhydride	Solid	HDPE Bag	1	3	3.467	Local	By Road
MDS	Liquid	HDPE Drum	3	5	38.191	Local	By Road
methanol	Liquid	MSGI Drum	10	20	157.354	Local	By Road
methyl 2 chloropropane	Liquid	HDPE Drum	1	2	2.382	Local	By Road
methyl salicylate	Liquid	HDPE Drum	1	2	3.846	Local	By Road
monoethanol amine	Liquid	HDPE Drum	1	1	0.82896	Local	By Road
N, N dimethyl aniline	Liquid	HDPE Drum	1	1	0.520	Local	By Road
N, N dimethyl formamide	Liquid	HDPE Drum	1	1	0.880	Local	By Road
sodium Hydroxide 50 %	Liquid	HDPE Drum	2	3	5.716	Local	By Road
Nitric acid	Liquid	Glass Bottle	3	5	14.285	Local	By Road
Paramethoxy benzaldehyde	Liquid	HDPE Drum	1	2	2.617	Local	By Road
Para cresol	Solid	MSGI Drum	5	10	24.0	Local	By Road
Phenol	Solid	MSGI Drum	3	5	6.153	Local	By Road
Phenoxy isopropyle amine	Liquid	HDPE Drum	3	3	2.739	Local	By Road
phenyl hydrazine	Liquid	HDPE Drum	3	5	10.583	Local	By Road
phosphoryl chloride	Liquid	HDPE Drum	0.2	0.3	0.240	Local	By Road
potash alum	Solid	HDPE Bag	1	2	0.628	Local	By Road
potassium carbonate	Solid	HDPE Bag	3	5	4.109	Local	By Road
potassium permagnate	Solid	MS Drum	0.5	1	0.19047	Local	By Road
propiofenone	Liquid	HDPE Drum	1	2	3.111	Local	By Road
potassium hydroxide	Solid	HDPE Drum	1	1	0.166	Local	By Road
ranni nikel catalyst	Solid	HDPE Drum	0.2	0.4	0.100	Local	By Road
sodium acetate	Solid	HDPE Bag	1	1	0.440	Local	By Road
sodium bi carbonate	Solid	HDPE Bag	1	1	1.369	Local	By Road
sodium bi sulphite	Solid	HDPE Bag	1	1	0.07142	Local	By Road
sodium borohydride	Solid	HDPE Drum	1	1	2.156	Local	By Road
sodium carbonate	Solid	HDPE Bag	1	1	0.3622	Local	By Road
sodium chloride	Solid	HDPE Drum	1	1	0.0016917	Local	By Road
sodium cyanide	Solid	HDPE Drum	0.2	1	1.278	Local	By Road
sodium hydroxide	Solid	HDPE Bag	5	10	24.099	Local	By Road
Sodium metal	Solid	Tin MS Drum	1	2	11.400	Local	By Road
Sodium methoxide	Solid	HDPE Drum	1	2	1.036	Local	By Road
sulphuric acid	Liquid	HDPE Drum	5	10	71.357	Local	By Road
Toulene	Liquid	HDPE Drum	5	10	148.025	Local	By Road
urea	Solid	HDPE Drum	0.2	0.2	0.370	Local	By Road
8-Hydroxy Quinoline	Solid	HDPE Drum	3	5	13.636	Local	By Road


52.Any Other Information

No Information Available


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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:	792 Sq. m.
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5(f)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	25-04-2017


TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
40. Stack Emission details	Thermopack (3 Lac Kcal/hr, Fuel FO 42.01 Kg/hr)	Thermopack (2Lac Kcal/hr, Fuel FO 21.78 Kg/hr) + (4 Lac Kcal/hr, Fuel FO 43.57 Kg/hr)


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40. Stack Emission details	DG Set (125 KVA), Fuel HSD 28 lit/hr	DG Set (250 KVA), Fuel HSD 42 lit/hr (Existing DG of 125 KVA will be replaced by Proposed DG of 250 KVA)
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Brief information of the project by SEAC

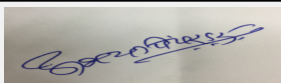

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

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.

Draft Terms of Reference (TOR) have been discussed and finalized during 140th meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

1. PP to submit an undertaking that, they are operating their plant from 2006 only for the manufacture of inorganic products for which prior Environment Clearance was not applicable and they have not violated any requirement of EIA Notification, 2006 and amendments thereof.
2. PP to divert domestic sewage line to the secondary treatment in the ETP.
3. PP to submit layout plan showing internal roads, location of pollution control equipment, parking areas, 33% green belt, location of waste storage etc.
4. PP to submit detailed report of HAZOP and QRA.
5. PP to prepare and submit hazardous chemical handling protocol.
6. 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.
7. 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.
8. PP to submit on site/ off site emergency plan.
9. PP to submit rain water harvesting plan.

DECISION OF SEAC

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After deliberations, SEAC decided to defer the proposal till PP submits the compliance of below points.


Specific Conditions by SEAC:

- 1) PP to submit action plan for the implementation of the recommendations brought out in the HAZOP and Risk Assessment studies.
- 2) PP to prepare a compatibility chart of all the raw materials and use the same for employee training.
- 3) PP to explore possibility to use better and efficient technology for reduction of the impact identified in the LCA analysis report.
- 4) PP to provide drip irrigation for the development of green belt.
- 5) PP to revise the water balance taking in to account quantity of rain water harvesting.
- 6) PP informed that they will be using 4 Lac Kcal/Hr and 2 Lac Kcal/Hr thermopacks and one DG set of 250 KVA.

FINAL RECOMMENDATION


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

SEAC-AGENDA-0000000052


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SEAC-I)**

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