

144 th Meeting of SEAC-1 (DAY-2)

SEAC Meeting number: 144 Meeting Date November 18, 2017


Subject: Environment Clearance for Proposed Construction of Mounded storage vessel (2 x 300 MT) at Solapur LPG Plant

1.Name of Project	Construction of Mounded storage vessel (2 x 300 MT) at Solapur LPG Plant
2.Type of institution	Semi Government
3.Name of Project Proponent	Bharat Petroleum Corporation Limited
4.Name of Consultant	ERM India Private Limited
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No (since the plant was established prior to EC notification 1994)
8.Location of the project	Plot no. 189 and 190 in Chincholi village
9.Taluka	Mohol
10.Village	Chincholi
Correspondence Name:	Rakesh Sihag
Room Number:	NA
Floor:	NA
Building Name:	BPCL LPG Plant
Road/Street Name:	Village- Chnicholi (Kati), Post - Sawaleshwer, Taluka - Mohol, Solapur, Maharashtra -413213
Locality:	Near Chnicholi MIDC area
City:	NA
11.Area of the project	Gram Panchyath area
12.IOD/IOA/Concession/Plan Approval Number	PESO Approval
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 1728
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	PESO Approval
15.Total Plot Area (sq. m.)	49.11 acres
16.Deductions	NA
17.Net Plot area	49.11 acres
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 1728
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	226200000

22.Number of buildings & its configuration


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

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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	LPG Storage	1800 MT (4 X 125 MT Bullets, 2 x 650 MT spheres)	600 MT (MSV of 2x 300 MT)	1900 MT (Considering existing LPG Bullets of 4 Nos. X 125 MT will be decommissioned after construction of new MSV)


32.Total Water Requirement

Dry season:	Source of water	MIDC Chincholi
	Fresh water (CMD):	27
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	19.8
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	27
	Fire fighting - Underground water tank(CMD):	00
	Fire fighting - Overhead water tank(CMD):	6875
	Excess treated water	00


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Wet season:	Source of water	MIDC Chincholi
	Fresh water (CMD):	27
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	27
	Fire fighting - Underground water tank(CMD):	00
	Fire fighting - Overhead water tank(CMD):	6875
	Excess treated water	19.8

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	10	00	10	2	00	2	8	00	8
Industrial Process	17	00	17	3	00	3	14	00	14

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

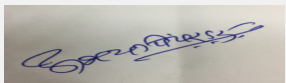

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35.Storm water drainage	Natural water drainage pattern:	The project site is flat land and its slope is towards south-west
	Quantity of storm water:	14416 m3/year
	Size of SWD:	Pucca open drain of approx 825 m length
Sewage and Waste water	Sewage generation in KLD:	8
	STP technology:	Aerobic treatment
	Capacity of STP (CMD):	1 nos of 15 KLD capacity
	Location & area of the STP:	Modular STP is located near canteen building
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	INR 30000 /- per year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Approx 6 kg/day of municipal solid waste would be generated during construction phase would be disposed at disposal site of Solapur municipality
	Disposal of the construction waste debris:	Construction debris will be used for filling work
Waste generation in the operation Phase:	Dry waste:	7.2 kg
	Wet waste:	4.8 kg
	Hazardous waste:	Paint sludge- 0.3 kg/day, Tank bottom sludge- 500 Litres (once in 5 years), ETP Sludge- 180 kg/year
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	500 gm/day
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Disposed off at the disposal site of Solapur municipality
	Wet waste:	Disposed off at the disposal site of Solapur municipality
	Hazardous waste:	Disposed at Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) at Ranjangaon, Pune
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Composting and manure usage for landscaping
	Others if any:	NA
Area requirement:	Location(s):	Within the plant premises
	Area for the storage of waste & other material:	12 m2
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA


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37. Effluent Characteristics					
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	5.5-7.5	7-8	5.5-9
2	Oil and Grease	mg/l	20	<10	10
3	BOD (3 days at 27°C)	mg/l	500	<30	30
4	TSS	mg/l	100	20-30	100
Amount of effluent generation (CMD):		14			
Capacity of the ETP:		15			
Amount of treated effluent recycled :		12.6			
Amount of water sent to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		The treatment process involved primary and secondary treatment. Treated water is reused .			
Disposal of the ETP sludge		Disposed at Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) at Ranjangaon, Pune			

38. Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Paint sludge from painting booth	21.1, 21.2	kg/day	0.3	NA	0.3	Disposed at Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) at Ranjangaon, Pune
2	Sludge from cleaning of petroleum product storage tanks	2.2	liters (once in 5 years)	500	28	528	Disposed at Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) at Ranjangaon, Pune
3	Sludge from ETP	35.3	kg/year	180	00	180	Disposed at Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) at Ranjangaon, 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	65 KVA DG set	HSD	1	1.61	0.1	550 oK	
2	250 KVA DG set	HSD	2	3.16	0.1	550 oK	
3	500 KVA DG set	HSD	3	4.77	0.1	500 oK	


40. Details of Fuel to be used				
Serial Number	Type of Fuel	Existing	Proposed	Total
1	High Speed Diesel (as alternative sources of power supply during power failure)	150 l/hr	00	150 l/hr
41. Source of Fuel		BPCL COCO (company owned company operated) petrol pump		




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42.Mode of Transportation of fuel to site		Fuel tanker by road		
43.Green Belt Development	Total RG area :	28.36 acres (approx. 59%) of the project site is covered by green belt.		
	No of trees to be cut :	100 nos		
	Number of trees to be planted :	NA		
	List of proposed native trees :	NA		
	Timeline for completion of plantation :	NA		
44.Number and list of trees species to be planted in the ground				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NA	NA	NA	NA
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	
1	NA	NA	NA	
47.Energy				
Power requirement:	Source of power supply :	Maharashtra State Electricity Board		
	During Construction Phase: (Demand Load)	Two DG sets (of 125 KVA each)		
	DG set as Power back-up during construction phase	Two DG sets (of 125 KVA each)		
	During Operation phase (Connected load):	721 KW		
	During Operation phase (Demand load):	380 KVA		
	Transformer:	750 KVA		
	DG set as Power back-up during operation phase:	DG sets of 500 KVA, 250 KVA and 65 KVA capacity		
	Fuel used:	High Speed Diesel		
	Details of high tension line passing through the plot if any:	NA		
48.Energy saving by non-conventional method:				


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10 no Solar Panels installed in 2016. Detail of the solar panel is provided below;

- o Solar Panel Module- 12 V/150 W
- o Battery- 12 V/150 AH
- o LED/Induction Luminaries- 12 V/80

10 no Solar Panels installed in 2016. Detail of the solar panel is provided below.

- o Solar Panel Module- 12 V/150 W
- o Battery- 12 V/100 AH
- o LED/Induction Luminaries- 12 V/85 W

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar street Light	25 nos x 80W
2	LED High Mast	3 no x 12 Lights x 200 Watt
3	LED Shed/Flood Light	50 nos x 60 Watt, 80 no x 40 Watt, 12 no x200W, 100 no x 20W

50.Details of pollution control Systems


Source	Existing pollution control system	Proposed to be installed
Process effluent of 14 KLD	ETP of 15 KLD capacity	NA
Sewage of 8 KLD	STP of 15 KLD capacity	NA
DG sets	Stack attached with DG sets and acoustic enclosour provided	BPCL would upgrade the stack to make them compliant with the CPCB requirements
Hazardous waste	Disposed at Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) at Ranjangaon, Pune	NA

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	INR 600000 /- per year

51.Environmental Management plan Budgetary Allocation


a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Ambient Air Quality Monitoring	4 monitoring location x 2 weeks per location x 3 seasons per year x 1 years of construction period	0.40
2	DG set stack monitoring	1 samples x 2 seasons during construction period	0.06
3	Ambient noise quality monitoring	4 locations around x one time in a season x 3 seasons during construction phase	0.12
4	Surface water quality monitoring	2 monitoring location x 2 seasons	0.24
5	Work place noise monitoring	2 locations in the construction site x 12 months	0.36


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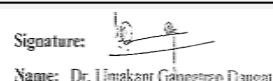
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Periodical ambient air quality monitoring	4 locations x 2 times in a week x 2 weeks per season	00	0.2			
2	Periodical stack monitoring	3 stacks x once per season x 2 seasons	00	0.18			
3	Periodic monitoring of ambient noise quality	4 locations x 2 seasons	00	0.12			
4	Monitoring of ground water	3 locations x 2 seasons	00	0.36			
5	Monitoring of soil quality	3 locations x 2 seasons	00	0.36			
6	Monitoring of surface water quality	3 locations x 2 seasons	00	0.36			
7	Wildlife Management Plan	Awareness Generation Meetings at Villages, Capacity Building of Forest Department Staffs	00	1			
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
LPG Gas	Bullet- 4 nos x 125 MT ; Sphere- 2 nos x 650 MT	Within the plant	1800 MT	1800 MT	10000 MT (it's throughput, not consumption)	Mangalore LPG Plant of BPCL	Bulk Tank Lorry
52.Any Other Information							
No Information Available							
53.Traffic Management							
Nos. of the junction to the main road & design of confluence:		NA					



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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	4.41 acres
	Area per car:	Bulk Tank Lorry -32 m2, Truck (Box Lorry) - 17 m2
	Area per car:	Bulk Tank Lorry -32 m2, Truck (Box Lorry) - 17 m2
	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):	Main internal road - 8 m, Other internal road - 4 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	2.4 km
	Category as per schedule of EIA Notification sheet	Industrial Project categorised as 6(b), 'B' as per EIA Notification 2006 and its further amendments
	Court cases pending if any	NA
	Other Relevant Informations	None
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	07-06-2016
Brief information of the project by SEAC		
<p>PP submitted their application for the grant of TOR under category 6(b)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in the 129th meetin of SEAC-1 held on 16th to 18th June,2016wherein ToR was approved with one of the condition that the distance from the boundary of the Great Indian Bustard Bird Sanctuary may be indicated in the EIA report.</p>		
DECISION OF SEAC		


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During deliberations with the PP and his accredited consultant it came to the notice of the SEAC that, the distance of the proposed site from the Great Indian Bustard Bird Sanctuary is 2.4 Kms. As per General Condition mentioned in the EIA Notification, 2006 and amendments dated 25.06.2014 states as below,

"Any project or activity specified in Category "B" will be appraised at the Central Level as Category "A", if located in whole or in part within 5 km. from the boundary of: (i) Protected areas notified under the Wild Life (Protection) Act, 1972 (53 of 1972)....."

With reference to the above provision, PP informed that, the Forest Department has issued new notification reducing the distances of above referred Bird Sanctuary and requested to allow some time to submit the same before making final decision in the matter.


On request of PP, SEAC decided to give 30 days time to PP to submit clarification and NOC from competent authority showing distance of proposed project site from the Great Indian Bustard Bird Sanctuary. In case PP fails to submit the same, the proposal shall be forwarded to the SEIAA as per above mentioned provision for further necessary decision.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC-AGENDA-000000004


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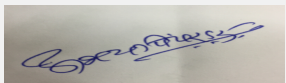
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Subject: Environment Clearance for Proposed Clinker Grinding Unit of 5.5 Million TPA Cement Production Capacity (Phase - I: 3.0 Million TPA & Phase - II: 2.5 Million TPA) and D.G. Sets of 1250 KVA (1000 KVA / 2 x 500 KVA & 250 KVA) near Villages: Patas & Kangaon, Taluka: Daund, District: Pune (Maharashtra) by M/s. Maharashtra Cement Plant (A unit of Shree Cement Ltd.)


1.Name of Project	Proposed Clinker Grinding Unit of 5.5 Million TPA Cement Production Capacity (Phase - I: 3.0 Million TPA & Phase - II: 2.5 Million TPA) and D.G. Sets of 1250 KVA (1000 KVA / 2 x 500 KVA & 250 KVA) near Villages: Patas & Kangaon, Taluka: Daund, District: Pune (Maharashtra)
2.Type of institution	TOR
3.Name of Project Proponent	M/s. Maharashtra Cement Plant (A unit of Shree Cement Ltd.)
4.Name of Consultant	JM EnviroNet Pvt. Ltd.
5.Type of project	Other
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Khasra No. - 676, 681, 679, 680, 683, 675/1, 675/2, 682, 677, 678, 733/B/1, 733/B/2, 733/B/3, 733/B/4, 733/B/5, 733/B/6, 733/B/7, 733/B/8, 733/B/9, 733/A, 733/B/10/A, 733/B/10/B, 741, 731/5
9.Taluka	Daund
10.Village	Patas & Kangaon
Correspondence Name:	Mr. Rakesh Bhargava, Vice President (Environment)
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	Post Box No. 33, Bangur Nagar, Andheri Deori
Locality:	Beawar
City:	Beawar, District Ajmer (Rajasthan)
11.Area of the project	Daund Municipal Corporation - Near Dr. Ambedkar Chowk, Daund - 413801, District- Pune, Phone No. +(91)-2117-262444, 262324.
12.IOD/IOA/Concession/Plan Approval Number	No IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	65.69 Acres (26.58 ha)
16.Deductions	Nil
17.Net Plot area	65.69 Acres (26.58 ha)
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA b) Non FSI area (sq. m.): NA c) Total BUA area (sq. m.):
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	6237000000

22.Number of buildings & its configuration


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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Cement	Nil	458333.3	458333.3


32.Total Water Requirement

Dry season:	Source of water	Ground Water
	Fresh water (CMD):	350
	Recycled water - Flushing (CMD):	20
	Recycled water - Gardening (CMD):	20
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	350
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	0


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Wet season:	Source of water	Ground Water
	Fresh water (CMD):	350
	Recycled water - Flushing (CMD):	20
	Recycled water - Gardening (CMD):	20
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	350
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	0

Details of Swimming pool (If any)


NA

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Cooling tower & thermopack	0	310	310	0	0	0	0	0	0
Domestic	0	40	40	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)

Level of the Ground water table:	2 - 5 m
Size and no of RWH tank(s) and Quantity:	Not applicable as it's a water logged area hence recharge structures will be not feasible
Location of the RWH tank(s):	Within Plant area
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 :	10000 KL pond



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35.Storm water drainage	Natural water drainage pattern:	Rain water will be channelized through the proposed drainage inside the plant to the proposed pond. There is no Nallah passing through the land.
	Quantity of storm water:	55861.5 Cum
	Size of SWD:	10000 KL pond
Sewage and Waste water	Sewage generation in KLD:	25
	STP technology:	FAB Technology
	Capacity of STP (CMD):	1 STP, Capacity - 25 KLD
	Location & area of the STP:	Within the Plant area, Area - 10 m2
	Budgetary allocation (Capital cost):	Rs. 30 lacs
	Budgetary allocation (O & M cost):	Rs. 5 lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Spoil generated during construction.
	Disposal of the construction waste debris:	Construction waste like soil, brick bits, etc. will be utilized in leveling of land and road making.
Waste generation in the operation Phase:	Dry waste:	Municipal solid waste will be generated from plant canteen and guest house.
	Wet waste:	No wet waste will be generated.
	Hazardous waste:	A small quantity (20 KL/Annum) of Used oil and grease will be generated from plant machinery / gear box and D.G set as hazardous waste.
	Biomedical waste (If applicable):	500 gm per day biomedical waste will be generated.
	STP Sludge (Dry sludge):	Sludge will be generated from STP.
	Others if any:	No
Mode of Disposal of waste:	Dry waste:	Municipal solid waste generated from plant canteen and guest house will be collected, segregated and disposed off scientifically.
	Wet waste:	No wet waste will be generated.
	Hazardous waste:	Used oil and grease will be sold out to the CPCB authorized recycler.
	Biomedical waste (If applicable):	Sold to authorized Biomedical waste facilitator.
	STP Sludge (Dry sludge):	Sludge generated from STP will be used as manure in greenbelt development / plantation.
	Others if any:	No
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

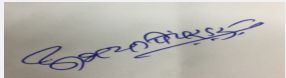

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37. Effluent Characteristics							
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)		
1	NA	NA	NA	NA	NA		
Amount of effluent generation (CMD):		NA					
Capacity of the 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	Used Oil & Grease	5.1	KL/Annum	0	20	20	Sold to the CPCB authorized recycler
39. Stacks emission Details							
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	Cement Mill-1	Nil	1	50	4	120 deg C	
2	Cement Mill-2	Nil	1	39	1.6	100 deg C	
40. Details of Fuel to be used							
Serial Number	Type of Fuel	Existing	Proposed	Total			
1	Coal	Nil	0.027 MTPA	0.027 MTPA			
2	Petcoke	Nil	0.02 MTPA	0.02 MTPA			
41. Source of Fuel		Local Market/ Indian and imported & other sources					
42. Mode of Transportation of fuel to site		Road & Rail					
43. Green Belt Development	Total RG area :	21.7 Acres					
	No of trees to be cut :	Nil					
	Number of trees to be planted :	1200 trees per ha					
	List of proposed native trees :	Local native species					
	Timeline for completion of plantation :	In first five years after completion of commissioning work.					
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			



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45.Total quantity of plants on ground			
46.Number and list of shrubs and bushes species to be planted in the podium RG:			
Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA
47.Energy			
Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Co. Ltd. (Grid) and D.G. Sets (for back-up).	
	During Construction Phase: (Demand Load)	1000 kw	
	DG set as Power back-up during construction phase	500 KVA	
	During Operation phase (Connected load):	20 MW	
	During Operation phase (Demand load):	20 MW	
	Transformer:	No	
	DG set as Power back-up during operation phase:	1250 KVA (1000 KVA / 2 x 500 KVA & 250 KVA)	
	Fuel used:	HSD- 40 KL	
	Details of high tension line passing through the plot if any:	No	
48.Energy saving by non-conventional method:			
Solar Energy			
49.Detail calculations & % of saving:			
Serial Number	Energy Conservation Measures	Saving %	
1	Solar Lights	50	
50.Details of pollution control Systems			
Source	Existing pollution control system	Proposed to be installed	
Process	Nil	All major stacks (Cement Mill, Coal / Petcoke Mill) will be provided with bag house and Bag filters will be provided at all material transfer points to maintain the emission level within limits.	
Domestic Waste water	Nil	Domestic waste water generated from the office toilets will be initially disposed off in soak pit and septic tanks until the completion of the project work; thereafter, STP will be installed and treated water will be used for greenbelt development / plantation.	
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	50	
	O & M cost:	5	
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	Air	Fugitive emissions	100				
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	Bag House, Bag Filters, Water Sprinklers & Cemented Roads etc.	2000	40			
2	Water	Sewage Treatment Plant and Rain Water Harvesting System	100	10			
3	Environmental Management Department	Day-to-day work	100	25			
4	Occupational Health Management	Wellness of employees	200	10			
5	Greenery Development & Solar Lighting	Plantation and non-conventional energy	200	10			
6	Safety and Risk Mitigation Measures	Safety of workers	300	20			
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)							
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
HSD	NA	HSD Tank	40 KL & 20 KL	40 KL & 20 KL	NA	Near-by area	Road
52.Any Other Information							
No Information Available							
53.Traffic Management							
Nos. of the junction to the main road & design of confluence:		NA					


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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	B
	Court cases pending if any	NA
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	13-09-2017

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 3(b)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 for proposed clinker grinding unit of 5.5 Million TPA cement production.


Public Hearing as per EIA Notification, 2006 is applicable.

DECISION OF SEAC


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

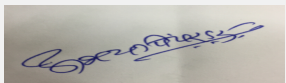
PP to collect base line data as per Office Memorandum issued by MoEF&CC dated 27.08.2017.

Specific Conditions by SEAC:

- 1) PP to submit copy of the Pune district regional plan certified by the District Collector/Asst. Director Town Planning ,Pune indicating the permissible land use of proposed site.
- 2) PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, location of solid waste and hazardous waste storage areas,parking areas, 33% green belt, rain water harvesting etc.
- 3) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
- 4) PP to submit copy of on site emergency plan. PP to carry out HAZOP and QRA and submit report
- 5) PP to carry out life cycle analysis of all the activities involved in the manufacturing process with respect to the sustainability index, green house and ozone depletion potential, energy consumption etc.
- 6) PP to ensure that the transportation of fly ash shall in closed container only.
- 7) PP to submit detailed calculations for rain water harvesting.
- 8) PP to submit copy of permission obtained from competent authority for using ground water for proposed project activities.
- 9) PP to submit detailed use of solar energy/green energy along with calculations.
- 10) PP to carry out survey and prepare need base CSR activities.
- 11) PP to provide lightening arrestors.


FINAL RECOMMENDATION

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


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144 th Meeting of SEAC-1 (DAY-2)

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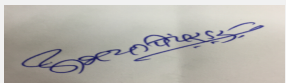
Subject: Environment Clearance for Industrial Project

1.Name of Project	Expansion of Cane crushing capacity by 2000 TCD through modernization of boiling house
2.Type of institution	TOR
3.Name of Project Proponent	Mr. Sarangdhar Bhikaji Tombre
4.Name of Consultant	Ultra-Tech (Environment Consultancy & Laboratory)
5.Type of project	Industry
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project through modernization
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC obtained for Distillery unit -45 KLPD, Co-Gen Power Plant-30 MW and Cane crushing capacity - 5500 TCD from EAC vide Letter No. J-11011/131/2014-IA II (I) dated 22.01.2016
8.Location of the project	At post Sonai
9.Taluka	Newasa
10.Village	Sonai
Correspondence Name:	Mr. Sarangdhar Bhikaji Tombre
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	Mula SSk Ltd.
Locality:	Sonai, Taluka Newasa
City:	District Ahmednagar
11.Area of the project	Sonai Gram Panchayat
12.IOD/IOA/Concession/Plan Approval Number	Industrial Safety & Health (Nashik Divison)
	IOD/IOA/Concession/Plan Approval Number: Plan /832000 dated 05.01.2001.
	Approved Built-up Area: 2762
13.Note on the initiated work (If applicable)	Work not initiated for the proposed project
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	1133686.36 m2
16.Deductions	Not applicable
17.Net Plot area	1133686.36 m2
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 2762
19.Total ground coverage (m2)	134300
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	11.85% of Net plot area
21.Estimated cost of the project	110000000

22.Number of buildings & its configuration


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

23.Number of tenants and shops Not applicable


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24. Number of expected residents / users	Total Workers 1081 Nos.
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))	Nearest Fire Station Mula S.S.K. and width of the road from the nearest fire station to the proposed building is 24 m. Shanishingapur -3 Km.
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	15 m
29. Existing structure (s) if any	Existing Sugar, cogen and distillery plants and storage unit
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	Sugar	5500 TCD	2000 TCD	7500 TCD
2	Distillery	45 KLPD	00	45 KLPD
3	CO gen	30 MW	0	30 MW


32. Total Water Requirement

Dry season:	Source of water	Mula Right Bank Canal
	Fresh water (CMD):	760 m3/day
	Recycled water - Flushing (CMD):	NIL
	Recycled water - Gardening (CMD):	NIL
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	7677 m3/day
	Fire fighting - Underground water tank(CMD):	40 m3
	Fire fighting - Overhead water tank(CMD):	10 m3
	Excess treated water	NA


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Wet season:	Source of water	Mula Right Bank Canal
	Fresh water (CMD):	NA
	Recycled water - Flushing (CMD):	NIL
	Recycled water - Gardening (CMD):	NIL
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	NIL
	Fire fighting - Underground water tank(CMD):	40 m ³
	Fire fighting - Overhead water tank(CMD):	10 m ³
	Excess treated water	NA
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed


Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	--	--	45	--	--	5	--	--	40
Industrial Process	--	--	6700	--	--	364	--	--	6336
Cooling tower & thermopack	--	--	977	--	--	93	--	--	884

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	21 m
	Size and no of RWH tank(s) and Quantity:	50 m ³ (2 no)
	Location of the RWH tank(s):	Near reservoir tank
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 15.7 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 1 Lakhs/Annum
	Details of UGT tanks if any :	Domestic UG tank Capacity:NA Flushing UG tank Capacity: NA Fire fighting: Reservoir Rainwater harvesting Tank: 100m ³



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35.Storm water drainage	Natural water drainage pattern:	Sloping from North-to SE
	Quantity of storm water:	NA
	Size of SWD:	NA
Sewage and Waste water	Sewage generation in KLD:	40 m3/day
	STP technology:	Conventional Soak pit (Proposed STP - MBBR)
	Capacity of STP (CMD):	50 m3 (Proposed)
	Location & area of the STP:	Near to toilet block
	Budgetary allocation (Capital cost):	Rs. 23 Lakhs
	Budgetary allocation (O & M cost):	Rs. 3.2 Lakhs/Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Negligible
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	Dry waste:	150 kg/day
	Wet waste:	450 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	6 Kg/ day
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Sale to authorized recycler
	Wet waste:	pit composting (existing)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Organic Mannure
	Others if any:	NA
Area requirement:	Location(s):	Compost pit Near Canteen
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 1 lakh
	O & M cost:	0.5 lakh
37.Effluent Charecterestics		


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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	4.90-5.60	7.30-7.60	6.5-8.5
2	B.O.D	mg/lit	1800-2300	60-70	Max. 100
3	C.O.D	mg/lit	3500-3800	165-170	Max. 250
4	T.S.S	mg/lit	500-600	55-65	Max. 100
5	Oil and grease	mg/lit	15-18	2-3	Max. 10
Amount of effluent generation (CMD):		630 m3			
Capacity of the ETP:		Sugar ETP - 700 m3 Primary ETP - 130 m3			
Amount of treated effluent recycled :		630 m3			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		For Sugar ETP: Activated sludge process by adopting diffused aeration system. For primary ETP: Chemical Precipitation separation for cooling and DM effluent			
Disposal of the ETP sludge		Composted and used as manure			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/ spent oil	5.1	MTA	2.7	0	7.8	Sale to authorized party approved by MPCB

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- 80 TPH	Bagasse	1	70	2.95	150
2	Boiler 2 - 85 TPH	Bagasse	1	75	3.50	150

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse	66.66	16.67	83.33

41.Source of Fuel

Own unit

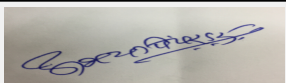
42.Mode of Transportation of fuel to site

NA

43.Green Belt Development


Total RG area :	445154
No of trees to be cut :	Nil
Number of trees to be planted :	60,668 no. of trees already planted
List of proposed native trees :	NA
Timeline for completion of plantation :	Done

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


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

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	Own and MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	8.5 MW
	During Operation phase (Demand load):	NA
	Transformer:	27500 KVA (M.S.E.D.C.L.)
	DG set as Power back-up during operation phase:	500 KVA
	Fuel used:	Diesel
Details of high tension line passing through the plot if any:	NA	

48.Energy saving by non-conventional method:


New boiling house will optimize the energy use.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA


50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG Set - existing	Stack provided -	existing stack is sufficient
ETP- existing	Sugar ETP - 700 m3 Primary ETP - 130 m3	existing ETP is sufficient
Boiler 1 - existing	ESP	existing ESP is sufficient
Boiler 2- existing	ESP	existing ESP is sufficient
STP	--	proposed STP 50 m3


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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	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	ESP -Existing	200	5
2	Water	ETP-Existing	175	21
3	Socio-Eco	Occupational Health Centre & ECC - Existing	130	14
4	Waste	Solid and Hazardous Waste Disposal & Transportation - Existing	30	9
5	Land	Gardening-Existing	35	12
6	Env Management	Monitoring and EM Cell -Existing	32	27
7	STP	STP - Proposed	23	3.2

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/ sulphur	Existing	Existing	120 TPM	--	--	--	--
Molasses	Existing + proposed	At site	Existing -4200,4200,4200,8000 1 proposed 4200	--	--	--	--

52.Any Other Information

No Information Available


53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Sonai Ghodegaon Road 7 Mtr , Sonai Shingnapur Road -8 Mtr
--	--	---


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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	5500 M2
	Area per car:	Area per car/ Cane Transport - 7.50 M2
	Area per car:	Area per car/ Cane Transport - 7.50 M2
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	S.T.Bus Available
	Width of all Internal roads (m):	6-7 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5(j)
	Court cases pending if any	NA
	Other Relevant Informations	We have received Environmnet Clearance for Distillery unit -45 KLPD, Co-Gen Power Plant-30 MW and Cane crushing capacity - 5500 TCD from EAC vide Letter No. J-11011/131/2014-IA II (I) dated 22.01.2016. Now seeking for modernization in boiling house for expansion of sugar unit from 5500 TCD to 7500 TCD.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

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


Public Hearing is applicable under the provisions of the EIA Notification, 2006.

DECISION OF SEAC


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

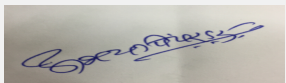
PP to collect base line data as per Office Memorandum issued by MoEF&CC dated 27.08.2017.

Specific Conditions by SEAC:

- 1) PP to submit certified copy of compliance of earlier EC No. J-11011/131/2014-IAII (I) dated 20.01.2016 from Regional Office of MoEF&CC, Nagpur as per OM issued by MoEF&CC on 07/09/2017
- 2) PP to submit collector approved layout plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas, 33% green belt, rain water harvesting etc.
- 3) PP to submit detailed plan of availability of sugar cane for crushing and also submit a plan for bringing all sugar cane area in their jurisdiction under drip irrigation.
- 4) PP to carry out HAZOP and QRA and submit report
- 5) PP to provide lightening arrestors.
- 6) PP to submit a technical report on existing capacity and efficiency of the plant and list of proposed equipment required to achieve 7500 TPD crushing.
- 7) PP to submit detailed water balance calculations.
- 8) PP to submit compliance of points related to sugar cane industry mentioned in the Environment (Protection) Rule, Amendment dated 14.01.2016
- 9) PP to submit EMP along with cost break up.
- 10) PP to collect baseline data from December 2017.
- 11) PP to submit copy of registered agreement with MKVDC (Maharashtra Krishna Valley Development Corporation) for lifting of water.
- 12) PP to carry out survey and prepare need base CSR activities.


FINAL RECOMMENDATION

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


**Abhay Pimparkar (Secretary
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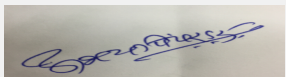
SEAC Meeting number: 144 Meeting Date November 18, 2017

Subject: Environment Clearance for DISTRICT SOLAPUR SAND MINING

1.Name of Project	SOLAPUR DISTRICT SAND MINING
2.Type of institution	Government
3.Name of Project Proponent	DISTRICT COLLECTOR , SOLAPUR
4.Name of Consultant	N.A.
5.Type of project	SAND MINING
6.New project/expansion in existing project/modernization/diversification in existing project	NEW PROJECT
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	N.A.
8.Location of the project	Pohargaon-5,6,7,10,11,12 - 14,17 - 19, 20 - 35,39, 40,41,44- 51,56, Sarkoli- 301 - 313, 314 - 321, 323, 337, 338- 348, 350 - 352,353, 365 - 367, 369, 374, 376, 377, 382, 384 - 388,399
9.Taluka	PANDHARPUR
10.Village	POHARGAON-SARKOLI
Correspondence Name:	TAHSIL OFFICE PANDHARPUR
Room Number:	TAHSIL OFFICE
Floor:	N.A.
Building Name:	TAHSIL OFFICE
Road/Street Name:	PANDHARPUR
Locality:	PANDHARPUR
City:	PANDHARPUR
11.Area of the project	GOVERNMENT
12.IOD/IOA/Concession/Plan Approval Number	District collector has consented to grant a mining lease for Ordinary sand vide their letter number REV/WS-2/MB/RR-2229/17 dated 16/10/2017
	IOD/IOA/Concession/Plan Approval Number: District collector has consented to grant a mining lease for Ordinary sand vide their letter number REV/WS-2/MB/RR-2229/17 dated 16/10/2017
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	N.A.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	N.A.
15.Total Plot Area (sq. m.)	17.48 HEC.
16.Deductions	N.A.
17.Net Plot area	17.48 HEC.
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): N.A.
	b) Non FSI area (sq. m.): N.A.
	c) Total BUA area (sq. m.): 17.48
19.Total ground coverage (m2)	174826
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	100
21.Estimated cost of the project	159382080


22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	N.A.	N.A.	N.A.


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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NATURAL ORDINARY SAND	82368	27456	988415


32.Total Water Requirement

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


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

Details of Swimming pool (If any)

N.A.

33.Details of Total water consumed


Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Industrial Process	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

34.Rain Water Harvesting (RWH)


Level of the Ground water table:	12.80 M (bgl)
Size and no of RWH tank(s) and Quantity:	N.A.
Location of the RWH tank(s):	N.A.
Quantity of recharge pits:	N.A.
Size of recharge pits :	N.A.
Budgetary allocation (Capital cost) :	N.A.
Budgetary allocation (O & M cost) :	N.A.
Details of UGT tanks if any :	N.A.

35.Storm water drainage

Natural water drainage pattern:	DENDRITIC
Quantity of storm water:	N.A.
Size of SWD:	N.A.


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

36.Solid waste Management

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


37.Effluent Charecterestics

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


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

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	N.A.	N.A.	N.A.	N.A.

41.Source of Fuel N.A.

42.Mode of Transportation of fuel to site N.A.

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

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	N.A.	N.A.	N.A.	N.A.

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	N.A.	N.A.	N.A.

47.Energy


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

48. Energy saving by non-conventional method:

SOLAR PANEL

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	N.A.	N.A.

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
N.A.	N.A.	N.A.

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	N.A.
	O & M cost:	N.A.

51. Environmental Management plan Budgetary Allocation

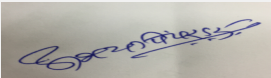
a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

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

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


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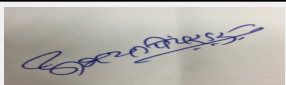
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

52.Any Other Information

No Information Available


53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	N.A.
Parking details:	Number and area of basement:	N.A.
	Number and area of podia:	N.A.
	Total Parking area:	AREA ADJACENT TO ALLOTTED RIVER BED REGION
	Area per car:	N.A.
	Area per car:	N.A.
	Number of 2-Wheelers as approved by competent authority:	N.A.
	Number of 4-Wheelers as approved by competent authority:	DEPENDS UPON STAKE HOLDER CAPACITY
	Public Transport:	N.A.
	Width of all Internal roads (m):	20
	CRZ/ RRZ clearance obtain, if any:	N.A.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	N.A.
	Category as per schedule of EIA Notification sheet	B2 category of Minor Mineral Mining
	Court cases pending if any	N.A.
	Other Relevant Informations	N.A.
	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 for the meeting.		
Specific Conditions by SEAC:		
FINAL RECOMMENDATION		
Kindly find SEAC decision above.		

SEAC-AGENDA-00000000041

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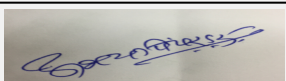
Subject: Environment Clearance for Industrial Park

1.Name of Project	Inspira Industrial Park
2.Type of institution	Private
3.Name of Project Proponent	Inspira Infra Aurangabad ltd.
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Industrial Park
6.New project/expansion in existing project/modernization/diversification in existing project	Modernisation in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	C-21, Shendra MIDC, Aurangabad, Maharashtra.
9.Taluka	Aurangabad
10.Village	Shendra MIDC
Correspondence Name:	Mr. Amaresh Prasad
Room Number:	-
Floor:	Level 6
Building Name:	Gala Impecca
Road/Street Name:	Next to Courtyard Marriott, Andheri Kurla Road
Locality:	Andheri East
City:	Mumbai 400059
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	Has been applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	70 acre of plot allotted by MIDC has completely developed infrastructure
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	Project Area: 92 Ha (228 acres)
16.Deductions	Not applicable
17.Net Plot area	Project Area: 92 Ha (228 acres)
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Project Area: 92 Ha (228 acres)
	b) Non FSI area (sq. m.): Project Area: 92 Ha (228 acres)
	c) Total BUA area (sq. m.):
19.Total ground coverage (m2)	Project Area: 92 Ha (228 acres)
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Project Area: 92 Ha (228 acres)
21.Estimated cost of the project	42600

22.Number of buildings & its configuration

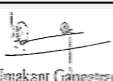
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not Applicable at this stage as only infrastructure development is proposed.	Not Applicable at this stage as only infrastructure development is proposed.	Not Applicable at this stage as only infrastructure development is proposed.

23.Number of tenants and shops Not Applicable at this stage as only infrastructure development is proposed.


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24.Number of expected residents / users	Not Applicable at this stage as only infrastructure development is proposed.
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))	66 mts wide MIDC road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	20.0 mtr Drive way
29.Existing structure (s) if any	Part of land allotted by MIDC has developed infrastructure
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	MIDC
	Fresh water (CMD):	1373
	Recycled water - Flushing (CMD):	1999
	Recycled water - Gardening (CMD):	298
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	5615
	Fire fighting - Underground water tank(CMD):	will be planned at later stage.
	Fire fighting - Overhead water tank(CMD):	will be planned at later stage.
	Excess treated water	Not applicable


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Wet season:	Source of water	MIDC
	Fresh water (CMD):	1373
	Recycled water - Flushing (CMD):	1999
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	5317
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	0
	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
Industrial Process	0	3700	3700	0	2220	2220	0	1480	1480
Domestic	0	3200	3200	0	650	650	0	2560	2560
Gardening	0	298	298	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)

Level of the Ground water table:	Rain water will be used for ground water recharge
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) :	251 lakhs
Budgetary allocation (O & M cost) :	38 lakhs/ yr
Details of UGT tanks if any :	NA


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35.Storm water drainage	Natural water drainage pattern:	Drain channels will be generated.
	Quantity of storm water:	NA
	Size of SWD:	NA

Sewage and Waste water	Sewage generation in KLD:	2560
	STP technology:	Soil Bio Technology
	Capacity of STP (CMD):	2000 KLD(1 nos), 1000 KLD (1 nos)
	Location & area of the STP:	Amenity space
	Budgetary allocation (Capital cost):	413 lakhs
	Budgetary allocation (O & M cost):	15.03 lakhs/ yr

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Excavated soil 364,938 cum
	Disposal of the construction waste debris:	Will be used for filling the plot and maintaining natural slopes.

Waste generation in the operation Phase:	Dry waste:	Total waste generation 10.54 MT /day (4.24 - PA + 6.30 - NPA)
	Wet waste:	-
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	1.48 g/day
	Others if any:	-


Mode of Disposal of waste:	Dry waste:	Segregation and sale of recyclables, inerts to approved landfill site
	Wet waste:	Biodegradable waste to compost. (OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	mix with wet waste and convert that into compost
	Others if any:	NA

Area requirement:	Location(s):	Amenity space
	Area for the storage of waste & other material:	Amenity space
	Area for machinery:	Amenity space

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	376 lakhs
	O & M cost:	10.7 lakh/yr

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
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1	NA at this stage	-	-	-	-
Amount of effluent generation (CMD):		ETP will be provided by individual industrial units at later stages.			
Capacity of the ETP:		ETP will be provided by individual industrial units at later stages.			
Amount of treated effluent recycled :		ETP will be provided by individual industrial units at later stages.			
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 at this stage	-	-	-	-	-	-

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 at this stage	-	-	-	-	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD used for DG	-	-	-
41.Source of Fuel		NA		
42.Mode of Transportation of fuel to site		NA		

43.Green Belt Development	Total RG area :	22.81 acres
	No of trees to be cut :	-
	Number of trees to be planted :	1000
	List of proposed native trees :	Native trees will be proposed
	Timeline for completion of plantation :	Upto development of infrastructure


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	Local native species will be planted.	-	-	-

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 :	MSEDCL
	During Construction Phase: (Demand Load)	320 KVA
	DG set as Power back-up during construction phase	Local native species will be planted.
	During Operation phase (Connected load):	-
	During Operation phase (Demand load):	32 MVA
	Transformer:	NA
	DG set as Power back-up during operation phase:	4 Nos. of 100 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 lamps
- ? Electronic ballast
- ? Timer/sensor
- ? CO sensors in basement ventilation
- ? Use of hydro-pneumatic pumping system with VFD
- ? Capacitors for common area load
- ? Solar lighting

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	As mentioned above	Will be done at later stages

50. Details of pollution control Systems


Source	Existing pollution control system	Proposed to be installed
Will be provided by individual units at later stage	-	-

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	142 lakhs
	O & M cost:	1.8 lakhs/ yr

51. Environmental Management plan Budgetary Allocation

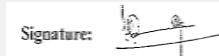
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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1	-	-	-
b) Operation Phase (with Break-up):			
Serial Number	Component	Description	Capital cost Rs. In Lacs
1	Sewage Treatment Plant	NA	413
2	Solid Waste Management	NA	376
3	Rain Water Harvesting	NA	251
4	Green Belt	NA	750
5	Energy saving features	NA	142
6	Total	NA	1932

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

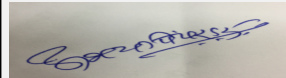
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA at this stage	-	-	-	-	-	-	-

52.Any Other Information

No Information Available


53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	Parking will be provided as per MIDC DCR.
	Area per car:	As per MIDC DCR
	Area per car:	As per MIDC DCR
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	-
	Public Transport:	-
Width of all Internal roads (m):	20	


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	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	Not Applicable
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Proposed project is for development of Inspira Industrial Park. Development of infrastructure for the same is proposed. Currently the application is been submitted for grant of project specific Terms of Reference (ToR).
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	11-10-2017

Brief information of the project by SEAC

DECISION OF SEAC

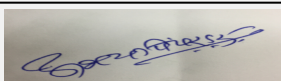
During deliberations with the PP and his accredited consultant, it was observed that, PP has not submitted adequate information to the committee as to what types of industries are proposed on site, under which category of the Schedule PP applied for EC etc. PP was not able to provide information on the same.

In view of SEAC asked PP to refer the EIA Notification, 2006 and amendments thereof to decide on the applicable category and submit information to SEAC.

Specific Conditions by SEAC:

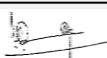
FINAL RECOMMENDATION

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


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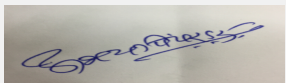
Subject: Environment Clearance for Proposed 5 MLD CET Plant by Badlapur CETP Association, Badlapur

1.Name of Project	Proposed 5 MLD CET Plant by Badlapur CETP Association, Badlapur
2.Type of institution	Private
3.Name of Project Proponent	Badlapur CETP Association
4.Name of Consultant	ABC Techno Labs India Pvt. Ltd. ; Regional Office : A-355, Balaji Bhavan, Plot 42 A, Sect 11, CBD Belapur, Navi Mumbai 400614
5.Type of project	CETP project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot no. OS 8
9.Taluka	Ambernath
10.Village	Badlapur
Correspondence Name:	Badlapur Common Effluent Treatment Plant Association
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	Mankivli Road
Locality:	MIDC
City:	Badlapur
11.Area of the project	Badlapur MIDC area
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	Not applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	247200000

22.Number of buildings & its configuration

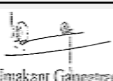
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable

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))	-
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

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


32.Total Water Requirement

Dry season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD):	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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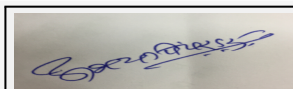
Wet season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water 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	0	1.5	1.5	0	0.5	0.5	0	1	1

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

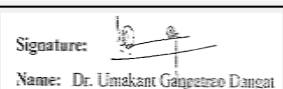
35.Storm water drainage	Natural water drainage pattern:	The storm water will have a natural flow through the nalla
	Quantity of storm water:	-
	Size of SWD:	-



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Sewage and Waste water	Sewage generation in KLD:	1 m3/day of sewage will be generated.
	STP technology:	Sewage will be treated in the CETP only
	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 during construction phase will be construction materials like Cement ,debris, metal scrap, plastic etc.
	Disposal of the construction waste debris:	Most of the construction materials like soil, bricks, concrete will be reused for backfilling and road construction works. And remaining waste will be sold to authorized recyclers or will be lent.
Waste generation in the operation Phase:	Dry waste:	The solid waste generation will be very minimal.
	Wet waste:	The solid waste generation will be very minimal.
	Hazardous waste:	145 m3/day sludge will be generated .
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Mode of Disposal of waste:	Dry waste:	It will be disposed through local body (KBMC).
	Wet waste:	It will be disposed through local body (KBMC).
	Hazardous waste:	It will be disposed at MPCB authorized Mumbai Waste Management Limited - CHWTSDF, Talaja.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	Location(s):	In the plant premises
	Area for the storage of waste & other material:	-
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 5 Lakhs
	O & M cost:	Rs. 2.5 Lakhs


37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	8.0	7.3-7.7	6-8
2	TSS	mg/L	356	12	100


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3	BOD	mg/L	1000	46	100
4	COD	mg/L	2360	226	250
5	O & G	mg/L	24	Nil	-
Amount of effluent generation (CMD):		5000 m3/day			
Capacity of the ETP:		5 MLD			
Amount of treated effluent recycled :		50 m3/day			
Amount of water send to the CETP:		Not Applicable			
Membership of CETP (if require):		Not Applicable			
Note on ETP technology to be used		Description of ETP technology is mentioned in EIA report attached as annexure.			
Disposal of the ETP sludge		It will be disposed at MPCB authorised Mumbai Waste Management Limited - CHWTSDF, Talaja.			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP sludge	34.3	m3/day	Not Applicable	145	145	Mumbai Waste Management Limited - CHWTSDF, Talaja

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set (1 x 450 kVA)	Furnace Oil	1	3.5 m (above roof level)	-	-

40.Details of Fuel to be used


Serial Number	Type of Fuel	Existing	Proposed	Total
1	Furnace Oil	Not Applicable	45 lit/hr	45 lit/hr

41.Source of Fuel Reputed Manufacturer

42.Mode of Transportation of fuel to site By road


43.Green Belt Development	Total RG area :	11,400 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	1500
	List of proposed native trees :	Cassia Fistula, Neolamarckia Cadamba, Butea Monosperma, Holoptelea Integrifolia, Schleicheria Oleosa, Xylia Xylocarpa, Bombax Ceiba, Terminalia Elliptica, Terminalia Paniculata, Helicteres Isora, Cordia Dichotoma, Macaranga Peltata, Derris Indica, Azadirachta Indica, Oroxyllum Indicum, Trema Orientalis
	Timeline for completion of plantation :	With completion of Construction.

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



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Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia Fistula	Bahava	80	Cassia fistula is widely grown as an ornamental plant in tropical and subtropical areas. It will grow well in dry climates. It is relatively drought-tolerant and slightly salt-tolerant. It will tolerate light brief frost too
2	Neolamarckia Cadamba	Kadamba	76	The fruit and inflorescences are reportedly edible by humans. The fresh leaves are fed to cattle.
3	Butea Monosperma	Palash	88	It is used for timber, resin, fodder, medicine, and dye. The wood is dirty white and soft and, being durable under water, is used for well-curbs and water scoops.
4	Holoptelea Integrifolia	Vavla	99	The bark of Indian Elm is used in rheumatism. Seed and paste of stem bark is used in treating ringworm. Bark and leaves are used for treating oedema, diabetes, leprosy and other skin diseases, intestinal disorders, piles and spruce
5	Schleichera Oleosa	Kusum	63	The tree is host to Kusumi Lac which is native to India. Its seeds are the source of Kusum oil.
6	Xylia Xylocarpa	Jamba	104	The seeds of this tree are edible. This tree is considered a medicinal plant in India
7	Bombax Ceiba	Sawar	98	Spikes on stem can be ground and applied to face for treatment against acne.
8	Terminalia Elliptica	Ain	99	The wood is used for furniture, cabinetwork, joinery, paneling, specialty items, boat-building, railroad cross-ties (treated), and decorative veneers.
9	Terminalia Paniculata	Kindal	93	The heartwood is dark grey, the sapwood a lighter grey. The wood is very hard. The wood is improved by being kept under water. It makes good planks and is used for agricultural implements. The wood is very useful for ship building and is used as substitute for teak.
10	Helicteres Isora	Murud	99	The roots and the bark are used as an expectorant, demulcent, constipating and lactifuge and useful in colic, scabies, gastropathy, diabetes, diarrhoea and dysentery. The fruits are used as astringents, refrigerant, stomachic, antispasmodic, haemostatic and vermifuge.
11	Cordia Dichotoma	Shelu	98	The leaves also yield good fodder. The seed kernel has medicinal properties.


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12	Macaranga Peltata	Chandwar	104	The major use of Macranga Peltata (Vatta) is for making Wooden Pencils and Plywood Industry.
13	Derris Indica	Karanj	104	Derris indica is one of the few nitrogen fixing trees (NFTS) to produce seeds containing 30- 42% oil. The seed oil is an important asset of this tree having been used as lamp oil, in soap making, and as a lubricant for thousands of years.
14	Azadirachta Indica	Neem	98	Neem oil is used for preparing cosmetics such as soap, shampoo, balms, and creams as well as toothpaste.
15	Oroxylum Indicum	Tetu	97	The tree is often grown as an ornamental for its strange appearance. Materials used include the wood, tannins and dyestuffs.
16	Trema Orientalis	Ghol	100	The bark can be used for making string or rope, and used as waterproofing fishing-lines. In India and Tanzania, the wood is used to make charcoal.

45.Total quantity of plants on ground


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

Serial Number	Name	C/C Distance	Area m2
1	Not Applicable	Not Applicable	Not Applicable

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	30 KW
	During Operation phase (Connected load):	700 kVA
	During Operation phase (Demand load):	700 kVA
	Transformer:	700 kVA
	DG set as Power back-up during operation phase:	1x450 kVA
	Fuel used:	Furnace Oil
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:


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Not Applicable

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	-	-

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	25,00,000
	O & M cost:	10,00,000

51.Environmental Management plan Budgetary Allocation


a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Dust Suppression	Dust control	0.75
2	Site Sanitation, Safety & Disinfection	Workers health	2.0
3	Environmental Monitoring	Air, Water, Noise, Soil sampling & testing	5.0
4	Health Check up	Routine Health checkup for workers	0.5

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	-	5	2
2	Water Pollution Control	-	10	3
3	Noise Pollution Control	-	5	1
4	Environment Monitoring And Management	Air, Water, Noise, Soil sampling & testing	0	3
5	Occupational Health	Routine Health checkup for workers	0	2.5
6	Green Belt	Green belt development, tree plantation	5	1
7	Solid waste management	-	5	2.5

51.Storage of chemicals (inflammable/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
Poly electrolyte	-	-	-	5000 liters	0.060	Local Industries	By road
Lime	-	-	-	2500 liters x 2 (tank)	3.0	Local Industries	By road
Alum/PAC	-	-	-	5000 liter	125	Local Industries	By road
Ferrous Sulphate	-	-	-	5000 liter	100	Local Industries	By road
Hypo Chlorite	-	-	-	1000 liter	0.75	Local Industries	By road

52. Any Other Information

No Information Available

53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	350 m ² /day
	Area per car:	7 m ²
	Area per car:	7 m ²
	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):	-
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Nil in 10km radius


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	Category as per schedule of EIA Notification sheet	B
	Court cases pending if any	Not Applicable
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 7(h)B1 as per EIA Notification, 2006. PP presented draft TOR to supplement the existing CETP of 8 MLD with a new CETP of 5 MLD capacity in the same vicinity in the 114th meeting of SEAC - 1 held on 19th to 21st November, 2015 based on standard TOR issued by MoEF & CC published in April, 2015 wherein ToR was granted.

Now PP submitted EIA/EMP report for appraisal.

DECISION OF SEAC

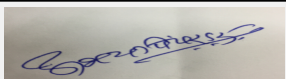
During presentation and discussion with the PP and his accredited consultant it was observed that PP neither submitted point wise compliance of additional ToR nor EIA/EMP reprot as per requirements. In view of this PP directed to submit point wise compliance of earleir points and below mentioned points as well submit revised EIA/EMP reprot as required under EIA Notification, 2006 and amendments thereof.

Specific Conditions by SEAC:

- 1) PP to submit status of CRZ clearance in the EIA report.
- 2) PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas, 33% green belt, rain water harvesting etc.
- 3) PP to include detailed chapter on waste generations, its storage and disposal in the EIA report.
- 4) PP to include detailed water balance and material balance in the ETP process like chemical requirement, water requirement etc.
- 5) PP to submit clarification on the disposal of treated effluent at the final point. PP also to carry out surface water monitoring at the point where treated effluent is finally disposed off and its impact.
- 6) PP to ensure presence of representative of MIDC to explain the status of sewer line laying to dispose treated effluent.
- 7) PP to submit revised EIA/EMP report by making corrections as discussed during the meeting.

FINAL RECOMMENDATION

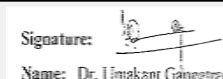
SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days



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Subject: Environment Clearance for Common Biomedical Waste Treatment Facility

1.Name of Project	Integrated Common Biomedical Waste Treatment Facility for PCMC and adjoining area
2.Type of institution	Private
3.Name of Project Proponent	Passco Environmental Solutions Pvt. Ltd.
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd., Mumbai
5.Type of project	Common Biomedical Waste Treatment Facility
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	New project
8.Location of the project	Gut no 458/460/461
9.Taluka	Haveli
10.Village	Moshi
Correspondence Name:	Pradeep Mulay
Room Number:	34/4
Floor:	2
Building Name:	"Narayani"
Road/Street Name:	Erandawane
Locality:	Behind Eisen Pharmaceuticals
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Lease deed executed on 15.06.2012 between PCMC (Leaser) and PESPL (Lessee)
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	No work has started at site
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	CIN- U 33129 PN 2005 PTC 020340
15.Total Plot Area (sq. m.)	4000 sq.m
16.Deductions	NA
17.Net Plot area	4000 sq.m
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 00
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	20000000

22.Number of buildings & its configuration


Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1	G+1	10

23.Number of tenants and shops Not a commercial project


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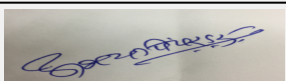
24.Number of expected residents / users	Approx. 25 employees
25.Tenant density per hectare	Not a residential project
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Peripheral road will be provided with access to all parts of the facility; two gates will be provided
29.Existing structure (s) if any	None
30.Details of the demolition with disposal (If applicable)	No demolition is envisaged

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Waste for incineration	NA	82.125	82.125
2	Waste for autoclaving	NA	54.75	54.75
3	--	NA	NA	NA


32.Total Water Requirement

Dry season:	Source of water	PCMC
	Fresh water (CMD):	21
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	31
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA


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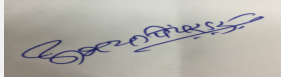
Wet season:	Source of water	PCMC
	Fresh water (CMD):	18
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	28
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA

Details of Swimming pool (If any) NA

33.Details of Total water consumed


Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	2	2	0	0	0	0	1.8	1.8
Industrial Process	0	26	26	0	16	16	0	0	0
Gardening	0	3	3	0	3	3	0	0	0

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	~110 m
	Size and no of RWH tank(s) and Quantity:	Since it is a biomedical waste management site, rain water harvesting at site is not proposed.
	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 :	one tank of 60 cu.m

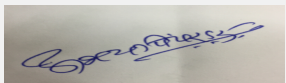

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35.Storm water drainage	Natural water drainage pattern:	Towards Indrayani river on the north east
	Quantity of storm water:	~1018 cum/day
	Size of SWD:	trapezoidal section RCC drain, 0.35 m bottom width x 0.3 m depth + 0.12 m FB
Sewage and Waste water	Sewage generation in KLD:	1.8
	STP technology:	Sewage will be let out into the UGD of PCMC
	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:	From foundation excavation
	Disposal of the construction waste debris:	Soil from foundation excavation will be used for backfilling and site grading. No offsite disposal of construction debris is envisaged.
Waste generation in the operation Phase:	Dry waste:	50 kg/day from office administrative operations
	Wet waste:	None
	Hazardous waste:	ETP sludge, incinerator ash - approx. 3 T/month - to be sent to CHWTSDF, Ranjangaon
	Biomedical waste (If applicable):	treated and disinfected biomedical waste - recycled plastic, approx. 11 T/month, to be sold to authorized recyclers
	STP Sludge (Dry sludge):	approx. 1000 kg/month
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	PCMC's municipal waste skip
	Wet waste:	NA
	Hazardous waste:	Storage and disposal to CHWTSDF site, Ranjangaon
	Biomedical waste (If applicable):	Incineration, autoclaving, chemical disinfection, incineration ash and ETP sludge, recycled plastic - respective disposal sinks
	STP Sludge (Dry sludge):	to be sent to CHWTSDF, Ranjangaon
	Others if any:	NA
Area requirement:	Location(s):	Within the shed
	Area for the storage of waste & other material:	approx. 350 sq.m
	Area for machinery:	approx 1500 sq.m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Waste storage area is integral of the TSDF. Separate costing has not been arrived at .
	O & M cost:	Approx. Rs. 1.7 Crores/year
37.Effluent Charecterestics		



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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)		
1	pH	-	~8-10	6.5-9.0	5.5-9.0		
2	BOD	mg/l	~30	< 30	100		
3	COD	mg/l	~350	< 250	250		
4	TSS	mg/l	~1500	< 100	100		
5	O & G	mg/l	~15	< 10	10		
Amount of effluent generation (CMD):		1.8					
Capacity of the ETP:		10					
Amount of treated effluent recycled :		10					
Amount of water send to the CETP:		0					
Membership of CETP (if require):		NA					
Note on ETP technology to be used		Screen > Seal pit > Reactor cum settling tank (alum dosed and stirred here) > Sludge filtering bags					
Disposal of the ETP sludge		ETP sludge will be sent to CHWTSDF, Ranjangaon.					
38.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	34.3	kg/month	0	1000	1000 kg/month	Collection, Storage and Disposal to CHWTSDF site
2	Incineration Ash	09 (BMW Rules)	MT/month	0	2	2 MT/month	Collection, Storage and Disposal to CHWTSDF site
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	Incinerator	HSD	1	30	0.35	85-110 deg. C	
40.Details of Fuel to be used							
Serial Number	Type of Fuel	Existing	Proposed	Total			
1	HSD	0	580 l/day	580 l/day			
41.Source of Fuel		Local fuel retailer/kerbside fuel pump					
42.Mode of Transportation of fuel to site		By road, in 200 l MS drums, loaded on to flat bed mini truck					


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43.Green Belt Development	Total RG area :	1300 sq.m
	No of trees to be cut :	0
	Number of trees to be planted :	approx. 145 large trees and other smaller canopy trees and shrubs
	List of proposed native trees :	Aegle marmelos, Alstonia scholaris , Anthocephallus cadamba, Azadiracta indica, Barringtonia acutangula, Bauhinia purpurea, Cassia fistula, Dalbergia sissoo, Enterolobium saman, Delonix regia
	Timeline for completion of plantation :	All trees will be planted within 12 months from beginning of construction, or earlier depending on monsoon

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	Aegle marmelos	Beal Tree	4	"A tall,thick canopy tree of religious and medicinal importance, native of India"
2	Alstonia scholaris	Satwin	8	"An elegant tall evergreen tree with greyish rough bark. Medicinal plant, bark is used in traditional medicine to treat dysentery and fever"
3	Anthocephallus cadamba	Kadamb	5	"Perrennial Tree up to 45 m tall, without branches for more than 25 m. Native, Medicinal plant,Stembark—febrifugal, antidiuretic, anthelmintic, hypoglycaemic. "
4	Azadiracta indica	Neem	8	" A fast growing, evergreen tree that can reach a height of 15-20 m, rarely to 35-40 m. Used as an insecticide, to manufacture variety of cosmetics"
5	Barringtonia acutangula	Samudra phool	2	"An evergreen tree 5-8 m tall with rough fissured dark grey bark. Medicinal pant has long been used for medicine, timber and as a fish poison."
6	Bauhinia purpurea	Butterfly Tree	6	"A deciduous tree which can reach up to 20 feet tall and have a 25 foot crown. Native tree A good herb for curing Rheumatic pain and swelling"
7	Cassia fistula	Bahava	4	"A tropical ornamental tree with a trunk consisting of hard reddish wood, growing up to 40 feet tall. Medicinal Use- The sweet blackish pulp of the seedpod is used as a mild laxative."
8	Dalbergia sissoo	Sheesham	4	"A medium to large deciduous tree, native to India, with a light crown. It can grow up to a maximum of 25 m in height and 2 to 3 m in diameter. One of the most important cultivated timber tree. "


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9	Delonix regia	Gulmohar	3	"An evergreen tree about 30-40 ft tall, but its elegant wide-spreading umbrella-like canopy can be wider than its height. Ornamental tree"
10	Enterolobium saman	Rain Tree	4	"A wide-canopied tree with a large symmetrical crown. It usually reaches a height of 25 m (82 ft) and a diameter of 40 m. Medicinal Plant"

45.Total quantity of plants on ground

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

Serial Number	Name	C/C Distance	Area m2
1	Gardenia jasminoides	0.3 m	1 to 2
2	Nyctanthes arbotristis	1.0 m	2 to 3
3	Lagerstroemia speciosa	2.0 m	6 to 8

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	50 kVA
	DG set as Power back-up during construction phase	No
	During Operation phase (Connected load):	96 kVA
	During Operation phase (Demand load):	96 kVA
	Transformer:	100 kVA
	DG set as Power back-up during operation phase:	One DG set of 100 kVA
	Fuel used:	HSD
Details of high tension line passing through the plot if any:	None	

48.Energy saving by non-conventional method:


Yard illumination based on solar PV LEDs

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV LEDs	upto 40 % saving on illumination w.r.t. CFL lamps

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	NA	High pressure drop Venturi Scrubber followed by droplet separator and stack


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Water	NA	ETP
Noise	NA	Acoustic treatment of enclosable machinery, PPE
Solid Waste	NA	CHWTSDF

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 4,50,000/annum
	O & M cost:	Rs. 30,000/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):


Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Pollution Control	Water sprinkling	1.2
2	Environment Monitoring	Air, water , noise and soil	2
3	Green Belt Development	Tree plantation	1

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	High pressure drop Venturi Scrubber followed by droplet separator and stack	~18	~8.4
2	Water Pollution Control	ETP	~15	~8
3	Environment Monitoring	Air, water , noise and soil	~7.5	~8
4	Hazardous waste & Solid waste management	Storage yard and disposal	~2	~30
5	Green Belt Development	Tree plantation and landscaping	~5	~1.5
6	Occupational Health & Safety	Medical check up	~2.5	~7.2
7	Others	EHS training	~5	~3

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
HSD	fuel	Within site	200 l drum	2 drums of 200 l	15	Local	By road
Disinfection chemical (Sodium hypochlorite)	BMW	Within site	35 l carboys	175 l carboys	~ 0.2	Local industrial chemical supplier	By road


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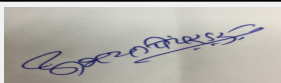
Scrubbing medium (Caustic Lye)	chemical	Within site	35 l carboys	15 no. of carboys	~ 1	Local industrial chemical supplier	By road
Alum	chemical	Within site	100 kg bag	5 no. of 100 kg bags	~0.1	Local industrial chemical supplier	By Road

52.Any Other Information

No Information Available


53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1, gated T exit to the main road with gentle radius
Parking details:	Number and area of basement:	0
	Number and area of podia:	0
	Total Parking area:	250 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):	approx. 8 m (with variations as per operational requirement)
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No protected area within 15 km radius
	Category as per schedule of EIA Notification sheet	7(da)
	Court cases pending if any	No


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	Other Relevant Informations	Service Industry for Bio-medical waste management by Pimpri Chinchwad Municipal Corporation and Passco Environmental Solutions Pvt. Ltd. Waste management capacity - 985.5 MT per year for incineration and 657 MT per year for autoclaving <ul style="list-style-type: none"> • One incinerator of 150 kg/hr • One autoclaves of 110 kg/hr • One shredder of 100 kg/hr • Chemical Treatment facility • ETP of 10 m3/day capacity • Associated utilities and amenities
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

DECISION OF SEAC


During deliberations with the PP and his accredited consultant , it was noticed that , the project proponent is Pimpri Chinchwad Municipal Corporation and Passco is only an operator. However, pointwise information submitted in the CS is not proper and relevant . In view of these observations, PP requested to delist this application and will submit a fresh application.

Hence, SEAC decided to delist the application.

Specific Conditions by SEAC:

FINAL RECOMMENDATION


Kindly find SEAC decision above.



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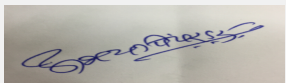
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Subject: Environment Clearance for Environment Clearance for Proposed expansion of Ms. Nipur Chemicals Ltd. from 250 MTM to 9775.9 MTM

1.Name of Project	M/s. Nipur Chemicals Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Deepak Bhageria
4.Name of Consultant	Building Environment (India) Pvt. Ltd.
5.Type of project	Industrial Estate - Industry 5 f Category
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	The PP has applied for EC with expansion in proposed activity . Environmental clearance has not been obtained for existing project
8.Location of the project	D-17, MIDC Tarapur,
9.Taluka	Palghar
10.Village	N.A
Correspondence Name:	Mr. Deepak Bhageria
Room Number:	A1/101
Floor:	NA
Building Name:	M/s. Nipur Chemicals Ltd.
Road/Street Name:	Virwani Industrial Estate
Locality:	WE Highway, Goregaon,
City:	Mumbai - East
11.Area of the project	Tarapur M.I.D.C. Area
12.IOD/IOA/Concession/Plan Approval Number	Industry has applied for revised Factory layout approval for proposed expansion
	IOD/IOA/Concession/Plan Approval Number: Industry has applied for revised Factory layout approval for proposed expansion
	Approved Built-up Area: 32757.25
13.Note on the initiated work (If applicable)	Nipur Chemicals Ltd is already in operation and has applied for expansion in existing activity in terms of production capacity, hence manufacturing shed and other required buildings are already constructed. Existing BUA of industry is 22696.25 m2.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Industry has applied for revised Factory layout approval for proposed expansion
15.Total Plot Area (sq. m.)	100800.00
16.Deductions	Not applicable
17.Net Plot area	100800.00
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 32757.85
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 32757.85
19.Total ground coverage (m2)	19752.87
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.6
21.Estimated cost of the project	1223400000


22.Number of buildings & its configuration

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


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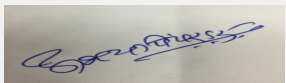
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23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	430
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	9
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12
29.Existing structure (s) if any	Manufacturing Sheds, Raw Material Storage Area, ETP, STP & Office Building
30.Details of the demolition with disposal (If applicable)	Only 766.61 Built up area shall be demolished in proposed expansion


31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	H. Acid	0	500	500
2	Gamma Acid	0	100	100
3	Sulpho Tobias Acid	0	100	100
4	Koch Acid	0	20	20
5	Schaeffer Acid	0	100	100
6	Bronner Acid	0	10	10
7	Chromotropic Acid	0	10	10
8	G-Salt	0	141	141
9	Ek Acid	0	10	10
10	K Acid	0	100	100
11	Amide G-Acid	0	10	10
12	Sulpho Gama	0	10	10
13	Benzoyl H-Acid	0	10	10
14	Acetanilide	0	800	800
15	Vinyl Sulphone	0	500	500
16	J Acid	0	100	100
17	DASA	0	100	100
18	Dyes	0	2000	2000
19	Sulphuric Acid & its Derivatives	0	4500	4500



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20	Chemical Gypsum	2250	3750	6000
21	Iron Oxide	750	0	750
22	Sodium Bi Sulphite (Soln) 20 - 30 %	450	1050	1500
23	Hydrochloric Acid (Dilute)	15	15	30
24	SVS	60	90	150
25	R- Complex	30	30	60
26	SOAVS	25.5	4.5	30
27	Sodium Sulphate	300	900	1200
28	Spent H-Acid from H-Acid Effluent	105	105	210
29	Spent Nitric Acid from NOx gas scrubber of H-Acid Plant	51	69	120
30	Sodium Nitrate/Nitrite From Nox Scrubber	6	24	30
31	Potassium Salt Solution From Gama Acid Effluent	21	0	21
32	Spent Acetic Acid 25%	0	120	120
33	Spent Acetic Acid 90%	0	120	120
34	Hydrochloric Acid 30%	0	900	900
35	Spent Sulphuric Acid 25%	0	4200	4200
36	Sodium Sulphate Solution	0	4200	4200
37	Sulphanillic Acid	0	6	6
38	H. Acid, Gamma Acid, Sulpho Tobias Acid, Koch Acid, Schaeffer Acid, Bronner Acid, Chromotropic Acid, G-Salt, Ek Acid, K Acid, Amide G-Acid, Sulpho Gama, Benzoyl H-Acid	250	0	0
32.Total Water Requirement				


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Dry season:	Source of water	MIDC & Treated Water From STP & ETP
	Fresh water (CMD):	1306.84
	Recycled water - Flushing (CMD):	6.16
	Recycled water - Gardening (CMD):	100.0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	1656.84
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	Source of water	MIDC & Treated Water From STP & ETP
	Fresh water (CMD):	1296.84
	Recycled water - Flushing (CMD):	6.16
	Recycled water - Gardening (CMD):	100.0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	1646.84
	Fire fighting - Underground water tank(CMD):	200
	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	25	16	41	5	3.2	8.2	20	12.8	32.8
Industrial Process	325	223	548	205	109.6	314.6	120	10.64	130.64
Cooling tower & thermopack	150	476	626	150	476	626	0	0	0
Gardening	20	75	95	20	75	95	0	0	0


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Fresh water requirement	350	1306.84	1656.84	210	1176.2	1386.2	120	10.64	130.64
34.Rain Water Harvesting (RWH)									
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	5 - 10 meter							
	Size and no of RWH tank(s) and Quantity:	Industry has adopted roof top rainwater harvesting and same shall be used for process							
	Location of the RWH tank(s):	MIDC							
	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									
35.Storm water drainage	Natural water drainage pattern:	Yes							
	Quantity of storm water:	543.13							
	Size of SWD:	340mm * 260mm							
Sewage and Waste water									
Sewage and Waste water	Sewage generation in KLD:	32.8							
	STP technology:	MBBR							
	Capacity of STP (CMD):	2 STP: 1 Existing STP of capacity 30CMD & 10CMD STP is proposed							
	Location & area of the STP:	Near Cooling Tower							
	Budgetary allocation (Capital cost):	45000000							
	Budgetary allocation (O & M cost):	35000000							
36.Solid waste Management									
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction Debris							
	Disposal of the construction waste debris:	The construction debris will be collected and suitably used on site as sub base of internal road and drive ways. Also it will be used to achieve higher plinth level. Some of the debris would be converted into building blocks by using appropriate technology. Remaining waste, if any, would be sent to dumping site planned by the proponent							
Waste generation in the operation Phase:	Dry waste:	2.08 kg/day							
	Wet waste:	1.56 kg/d							
	Hazardous waste:	Waste Residues Containing oil - 5.5 kg/day, Process Waste Sludge / Residues- 50.0 MTD, Chemical sludge from waste water treatment - 5.5 MTD							
	Biomedical waste (If applicable):	NA							
	STP Sludge (Dry sludge):	2.7Kg/Day							
	Others if any:	Coal Ash (MTD) - 5MTD,							

Mode of Disposal of waste:	Dry waste:	Sold to authorized Recycler
	Wet waste:	Shall be Treated in OWC & used for manure
	Hazardous waste:	CHWTSDF and Sold to authorized Recycler
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as a Manure
	Others if any:	NA
Area requirement:	Location(s):	Near STP
	Area for the storage of waste & other material:	5
	Area for machinery:	5
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	500000
	O & M cost:	150000


37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	mg/l	7.9	7.7	5.5 - 9.0
2	TSS	mg/l	68	10	100
3	O&G	mg/l	16	BDL	10
4	BOD	mg/l	169	26	100
5	COD	mg/l	560	80	250
Amount of effluent generation (CMD):		130.64			
Capacity of the ETP:		Existing - 120, Proposed Upgradation- 20, Total Capacity = 140			
Amount of treated effluent recycled :		106.16			
Amount of water send to the CETP:		51			
Membership of CETP (if require):		Yes, CETP Membership - TEPS/NCL/26-05/2007/01 dated 26.05.2007			
Note on ETP technology to be used		The industry is provided with ETP of 5 m ³ /hr capacity to treat industrial effluent using Fenton's primary treatment mechanism of physical processes involving super oxidation, coagulation and flocculation with chemical dosing followed by settling using tube settler that follows secondary or advanced oxidation process treatments using TiO ₂ photochemical activation using UV and finally polishing the secondary treated effluent using tertiary process of filtrations. Ozonation for quaternary oxidation			
Disposal of the ETP sludge		CHWTSDF, Taloja			

38. Hazardous Waste Details


Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Waste residue containing Oil	5.2	Kg/Day	5.0	0.5	5.5	CHWTSDF
2	Process waste sludge/ residues	26.1	MT/Day	35.0	0.0	35.0	Sold to authorize recycler/CHWTSDF
3	ETP Sludge	34.3	MT/Day	5.0	0.5	5.5	CHWTSDF

39. Stacks emission Details


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Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Thermo pack - 6 Lac Kl Cal x 2 Nos.	200 kg/Hr	2	30	0.6	150
2	Thermo pack - 4 Lac Kl Cal x 3 Nos.	300 Kg/Hr	3	30	0.6	120
3	Hot Air Generator - 10 Lac Kl Cal x 3 Nos.	300 kg/Hr	3	30	0.6	150
4	Hot Air Generator - 4 Lac K Cal	100 Kg/Hr	1	30	0.6	150
5	Boiler - 4 MT/Hr.	100Kg/Hr	1	30	0.6	150
6	Boiler - 6 MT/Hr.	1000 Kg/Hr	1	30	0.75	148
7	Boiler - 10 MT/Hr.	1000 kg/Hr	1	35	1	150
8	Sulphonation Reactor	NA	1	30	0.5	29
9	Nitrification reactor	NA	1	30	0.5	29
10	G-Salt Isolation process (HCl)	NA	1	30	0.4	90
11	Sulphonation process (SOx)	NA	1	30	0.4	90
12	Gamma Acid Isolation process 1	NA	1	30	0.4	90
13	H-Acid Isolation process x 2 Nos.	NA	2	30	0.4	90
14	D.G. Set - 500KVA	80LPH	1	5	0.4	143
15	D.G. Set - 550KVA	80LPH	1	5	0.4	160
16	D.G. Set - 1250KVA x 2 Nos.	280LPH	2	7	0.4	190

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	50TPD	25TPD	75TPD
2	Diesel/LDO/FO	160 LPH	280LPH	440 LPH

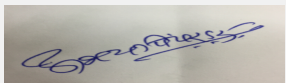
41.Source of Fuel Market and local Vendor

42.Mode of Transportation of fuel to site Truck and Tanker

43.Green Belt Development


Total RG area :	20773.87
No of trees to be cut :	0
Number of trees to be planted :	317
List of proposed native trees :	Attached
Timeline for completion of plantation :	1 Year

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


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Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saracaasoca	Ashoka	78	Shady tree with red-yellow flowers, Medicinal Plant
2	Mangiferaindica	Mango	67	Fruit bearing Plant
3	Casuarina equisetifolia	Suru	10	Fruit bearing Plant
4	Tectonagrandis	Teak	20	Shady and Medicinal Value
5	--	Nilegiri	25	Shady and Medicinal Value
6	Ficusreligiosa	Peepal	5	Shady and Medicinal Value
7	Albiziasaman	Rain tree	25	Ornamental Tree
8	Albiziasaman	Rain tree	25	Ornamental Tree
9	Dalbergia-sissoo	Sheesham	1	Medicinal Value
10	Terminalia catappa	Badam (Indian almond)	12	Fruit bearing Plant, Medicinal Plant
11	Cocos nucifera	Nariyal tree	6	Fruit bearing Plant
12	Azadirachtaindica	Neem tree	13	Medicinal value, To control soil erosion. To improve soil erosion
13	Ficus Religiosa	Vat tree	2	Medicinal Value
14	Manilkarazapota	Chiku	2	Fruit bearing Plant
15	Delonixregia	Gulmohar	8	flowering plant
16	Anacardium Occidentale	Cashew	6	evergreen tree that produces the cashew seed and the cashew apple. Medicinal Value
17	Citrus x limon	Lemon tree	10	Fruit bearing Plant
18	Psidiumguajava	Guava	2	Fruit bearing Plant
19	Arecaceae	Palm tree	2	flowering plant
20	Combretum Indicum	Madhumalti	1	flowering plant
21	Caryota Urens	Fish til palm	4	flowering plant
22	Ficusracemosa	Umbar	2	Medicinal value, Edible fruits, Bird attracting species
23	Plumeriaobtusa	Chafa	2	flowering plant
24	Plumeriaobtusa	Chafa	2	flowering plant

45.Total quantity of plants on ground

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


Serial Number	Name	C/C Distance	Area m2
1	Not Applicable	Not Applicable	Not Applicable

47.Energy


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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	Industry is already in operation and during construction phase, existing power supply shall be utilized
	DG set as Power back-up during construction phase	Industry is already in operation and during construction phase, existing power backup shall be utilized
	During Operation phase (Connected load):	7,086 KW
	During Operation phase (Demand load):	6,200 KVA
	Transformer:	2,660 KVA
	DG set as Power back-up during operation phase:	500KVA, 550KVA & 1250KVA x 2
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48. Energy saving by non-conventional method:

Industry has installed 160KWH of Solar Power Plant

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Industry has installed 160KWH of Solar Power Plant	1.8%

50. Details of pollution control Systems


Source	Existing pollution control system	Proposed to be installed
Thermo pack	MDC & Cyclone separator	MDC & Cyclone separator
Thermo pack	MDC & Cyclone	MDC & Cyclone
Boiler	MDC with Cyclone& bag filter	MDC with Cyclone& bag filter

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	109200000
	O & M cost:	489000000

51. Environmental Management plan Budgetary Allocation


a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Pollution Control System	Air Pollution Control System	18.00
2	Site Sanitation & Safety	Site safety	5.00
3	Environmental Monitoring	Environmental Monitoring	1.25


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4	Disinfection	Disinfection of drinking water	1.2
5	Health Check up	For Welfare for construction workers	2.4

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 systems	Water pollution control systems	800	400
2	Noise pollution control	Noise pollution control	0	2.0
3	Green Belt Development/ Maintenance	Green Belt Development/ Maintenance	22	13
4	Environmental monitoring / EMP	Environmental monitoring / EMP	40	5.6
5	Occupational health & safety	Occupational health & safety	30	9.2

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

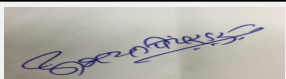
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Methanol	Liquid	Near Parking	20	20	24750	Imported/indigenous	By Tanker
Oleum 65%	Liquid	Near Parking	70	70	225000	indigenous	By Tanker
Oleum 23%	Liquid	Near Parking	30	30	199500	indigenous	By Tanker
Spent Sulphuric Acid	Liquid	Near Parking	100	100	990000	indigenous	By Tanker
Ammonum Hydroxide	Liquid	Near Parking	30	30	9900	indigenous	By Tanker
Nitric acid weak	Liquid	Near Parking	70	70	189000	indigenous	By Tanker
Hydrochloric Acid	Liquid	Near Parking	60	60	300000	By-product	By Tanker
Anilene	Liquid	Near Parking	100	100	121500	Imported/indigenous	By Tanker
Sulphuric acid 98%	Liquid	Near Parking	120	120	495000	indigenous	By Tanker
Spent Acetic Acid	Liquid	Near Parking	40	40	990000	indigenous	By Tanker
Naphthalene	Solid	Near Parking	150	150	180000	Imported/indigenous	Closed container
H-Acid	Solid	Near Parking	100	100	180000	Product	Closed container
Ethylene Oxide	Liquid	Near Parking	20	20	NA	indigenous	By Tanker
Chlorosulphonic Acid	Liquid	Near Parking	400	400	indigenous	indigenous	By Tanker
Sulphur Tri-Oxide	Liquid	Near Parking	30	30	indigenous	indigenousindigenous	By Tanker

52.Any Other Information

No Information Available

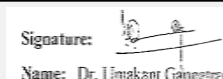
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	2
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	12,096.00
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	100
	Number of 4-Wheelers as approved by competent authority:	150
	Public Transport:	NA
	Width of all Internal roads (m):	9
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

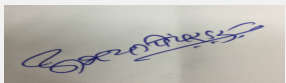
DECISION OF SEAC

PP remained absent for the meeting.

Specific Conditions by SEAC:


FINAL RECOMMENDATION

Kindly find SEAC decision above.


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