

SEAC-1 Meeting Agenda (Day3)

SEAC Meeting number: 139 Meeting Date July 1, 2017


Subject: Environment Clearance for Mining Project

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

1.Name of Project	Wadegaon Manganese Ore Mining Project
2.Type of institution	Private
3.Name of Project Proponent	Shakeel Ahmed Aqeel Hussain
4.Name of Consultant	Enviro Techno Consult Private Limited, Nagpur
5.Type of project	Others - 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	NA
8.Location of the project	Survey No. 44,45,46,47 Village Wadegaon
9.Taluka	Ramteke
10.Village	Wadegaon
11.Area of the project	Other area
12.IOD/IOA/Concession/Plan Approval Number	Gram Panchayat NOC dated 14.02.2014 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)	GOM letter No. MMN-1001/C.R.91.Ind-9 dated 05.08.2006
15.Total Plot Area (sq. m.)	2.49 ha
16.Deductions	NA
17.Net Plot area	2.49 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.): NA
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	20327000


22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	NA	NA	NA
23.Number of tenants and shops	NA		
24.Number of expected residents / users	NA		
25.Tenant density per hectare	NA		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	NA		


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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

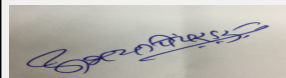
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Mangnese Ore	0	500	500

32. Total Water Requirement

Dry season:	Source of water	Well/Pit
	Fresh water (CMD):	10
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	10
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	0
Wet season:	Source of water	Well/Pit
	Fresh water (CMD):	10
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	10
	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)
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Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	NA	NA	NA	NA	NA	NA	NA	NA	NA
34. Rain Water Harvesting (RWH)	Level of the Ground water table:		30 m						
	Size and no of RWH tank(s) and Quantity:		NA						
	Location of the RWH tank(s):		NA						
	Quantity of recharge pits:		NA						
	Size of recharge pits :		NA						
	Budgetary allocation (Capital cost) :		NA						
	Budgetary allocation (O & M cost) :		NA						
	Details of UGT tanks if any :		NA						
35. Storm water drainage	Natural water drainage pattern:		NA						
	Quantity of storm water:		NA						
	Size of SWD:		NA						
Sewage and Waste water	Sewage generation in KLD:		NA						
	STP technology:		NA						
	Capacity of STP (CMD):		NA						
	Location & area of the STP:		NA						
	Budgetary allocation (Capital cost):		NA						
	Budgetary allocation (O & M cost):		NA						
36. Solid waste Management									
Waste generation in the Pre Construction and Construction phase:	Waste generation:		NA						
	Disposal of the construction waste debris:		NA						
Waste generation in the operation Phase:	Dry waste:		OB/SB/IB 1440 m3/year Ore 1440 m3/year Reject 72 m3/year						
	Wet waste:		NA						
	Hazardous waste:		NA						
	Biomedical waste (If applicable):		NA						
	STP Sludge (Dry sludge):		NA						
	Others if any:		NA						



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Mode of Disposal of waste:	Dry waste:	OB/SB/IB will be stacked within lease and stabilized by plantation. Low grade ore will be used for blending as per suitability . Reject material will be stored as dump					
	Wet waste:	NA					
	Hazardous waste:	NA					
	Biomedical waste (If applicable):	NA					
	STP Sludge (Dry sludge):	NA					
	Others if any:	NA					
Area requirement:	Location(s):	Within lease					
	Area for the storage of waste & other material:	0.6 ha					
	Area for machinery:	NA					
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA					
	O & M cost:	NA					
37.Effluent Charecterestics							
Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)		
1	NA	NA	NA	NA	NA		
Amount of effluent generation (CMD):		NA					
Capacity of the ETP:		NA					
Amount of treated effluent recycled :		NA					
Amount of water send to the CETP:		NA					
Membership of CETP (if require):		NA					
Note on ETP technology to be used		NA					
Disposal of the ETP sludge		NA					
38.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA	NA	NA	NA	NA	NA	NA
39.Stacks emission Details							
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	NA	NA	NA	NA	NA	NA	
40.Details of Fuel to be used							
Serial Number	Type of Fuel	Existing	Proposed	Total			
1	NA	NA	NA	NA			
41.Source of Fuel		NA					
42.Mode of Transportation of fuel to site		NA					


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43.Green Belt Development	Total RG area :	0.60 ha
	No of trees to be cut :	NA
	Number of trees to be planted :	50/year
	List of proposed native trees :	Sitafal, Mango, Palash, Ramfal
	Timeline for completion of plantation :	0-5 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Sitafal	Sitafal	20	These are resistant to dust which will be the dominant emission.
2	Mango	Mango	5	These are resistant to dust which will be the dominant emission.
3	Palash	Palash	15	These are resistant to dust which will be the dominant emission.
4	Ramfal	Ramfal	10	These are resistant to dust which will be the dominant emission.

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 :	MSPDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	NA since one shift working is proposed
	During Operation phase (Demand load):	NA
	Transformer:	NA
	DG set as Power back-up during operation phase:	NA
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

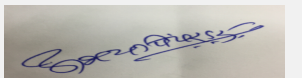
NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
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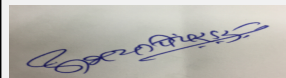

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Mining / Ore handling	Nil	Dust control by water sprinkling					
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA					
	O & M cost:	NA					
51.Environmental Management plan Budgetary Allocation							
a) Construction phase (with Break-up):							
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	Monitoring	Air quality	NA	0.30			
2	Dust control	Air quality	NA	0.30			
3	CSR	As per Gram Panchayat demand	NA	As per actuals			
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	NA	NA	NA	NA	NA	NA	NA
52.Any Other Information							
No Information Available							
53.Traffic Management							
	Nos. of the junction to the main road & design of confluence:	NA					
Parking details:	Number and area of basement:	NA					
	Number and area of podia:	NA					
	Total Parking area:	NA					
	Area per car:	NA					
	Area per car:	NA					
	Number of 2-Wheelers as approved by competent authority:	NA					
	Number of 4-Wheelers as approved by competent authority:	NA					
	Public Transport:	NA					
	Width of all Internal roads (m):	5					
	CRZ/ RRZ clearance obtain, if any:	NA					


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	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	15-16 km
	Category as per schedule of EIA Notification sheet	B1
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	05-05-2017

Brief information of the project by SEAC

Earlier SEAC-I approved the TOR in its 117th meeting held on 29th and 30th December 2015. During that meeting, SEAC observed that, PP applied separately for two adjacent mines having an area of 2.49 Ha and 3.97 Ha. Therefore PP was advised to prepare single EIA report.

PP also informed that, they have obtained mining lease permission from GoM vide letter No. MMN-1001/CR-282/Ind-q dated 05.08.2006.

PP now submitted the EIA report for appraisal.

DECISION OF SEAC

During the deliberations, it was observed that the EIA report is not in line with the requirements. PP has not submitted compliance of the points raised by earlier SEAC.

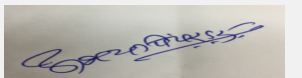
In view of above, SEAC decided to defer the proposal and advised PP to submit revised EIA, EMP report along with compliance of points raised by earlier SEAC-I in their 117th meeting along with below mentioned additional points.

Specific Conditions by SEAC:

- 1) PP to submit copies of 7/12 extract to establish the ownership of the mining land.
- 2) PP to submit original mining plan for appraisal and verification.
- 3) PP to include mining closure plan in their EIA report.
- 4) PP to submit copy of mineral prospecting report along with the gradation of the contents like manganese, Silical and other contents if any.
- 5) PP to obtain permission from competent authority for drilling and blasting.
- 6) PP to submit copy of permission obtained from the State Government (Irrigation Department) as the mining activity is within 50 meters distance from the existing irrigation canal.
- 7) PP to submit an affidavit for not storing any magazine/PP to submit copy of permission obtained from the State Government (Irrigation Department) as the mining activity is within 50 meters distance from the existing irrigation canal. on site.
- 8) PP to include details of disposal of waste material and their stabilization process in the EIA report.
- 9) PP to provide retaining wall to the mining area to avoid and unforeseen incident like collapse etc.
- 10) PP to submit point wise compliance status of issues raised in the Public Hearing meeting.
- 11) PP to include impact of mining activity (explosion, vibration, vehicle movement etc.) on the nearby canal.

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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SEAC-1 Meeting Agenda (Day3)

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Subject: Environment Clearance for Proposed Arvi Lift Irrigation Scheme with Total CCA: 8400 Ha

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

1.Name of Project	Proposed Arvi Lift Irrigation Scheme with Total CCA: 8400 Ha at Arvi Taluka of Wardha District, MS
2.Type of institution	Government
3.Name of Project Proponent	M/s. Vidarbha Irrigation Development Corporation
4.Name of Consultant	SMS ENVOICARE LTD
5.Type of project	Lift Irrigation 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	NA
8.Location of the project	Dhanodi
9.Taluka	Arvi
10.Village	Dhanodi
11.Area of the project	NA
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: 3rd Administrative Approval granted from VIDC on Dated 18.8.2009 Approved Built-up Area: 8400
13.Note on the initiated work (If applicable)	Dam was already developed. There is no work is initiated which associated with Lift Irrigation
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	3rd Administrative Approval granted from VIDC on Dated 18.8.2009
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.): 8400
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	2670000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
23.Number of tenants and shops	Not applicable		
24.Number of expected residents / users	Not applicable		
25.Tenant density per hectare	Not applicable		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Not applicable		


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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	Dam is already Develop on Wardha River
30. Details of the demolition with disposal (If applicable)	Not applicable

31. Production Details

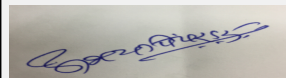
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable

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
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)
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Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Fresh water requirement	Not applicable	24.03 Mmc	24.03 Mmc	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

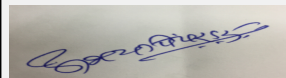
34. Rain Water Harvesting (RWH)	Level of the Ground water table:	Not applicable as this is Lift Irrigation Project to irrigate 8400 Ha CCA area
	Size and no of RWH tank(s) and Quantity:	As above
	Location of the RWH tank(s):	As above
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Cost of the same is included with total project cost
	Budgetary allocation (O & M cost) :	Cost of the same is included with total project cost
	Details of UGT tanks if any :	Not Applicable

35. Storm water drainage	Natural water drainage pattern:	Not applicable as this is Lift Irrigation Project to irrigate 8400 Ha CCA area
	Quantity of storm water:	As above
	Size of SWD:	As above

Sewage and Waste water	Sewage generation in KLD:	Not Applicable
	STP technology:	Not Applicable
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable

36. Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Domestic waste from construction labor shall be generated. The same shall be managed properly
	Disposal of the construction waste debris:	Debris and other construction waste shall be stored and reused for refilling
Waste generation in the operation Phase:	Dry waste:	Minimum domestic waste from operation phase shall be generated. The same shall be managed properly
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable


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Mode of Disposal of waste:	Dry waste:	All the waste shall be stored separately and shall be managed properly
	Wet waste:	as above
	Hazardous waste:	No hazardous waste shall be generated
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	Location(s):	8400 ha area which will be irrigated by the scheme
	Area for the storage of waste & other material:	Proper area shall be provided to store the waste so as to collect properly
	Area for machinery:	Storage area shall be provided for machinery
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Already included in capital cost
	O & M cost:	Already included in capital cost

37. Effluent Characteristics

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

38. Hazardous Waste Details

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

39. Stacks emission Details

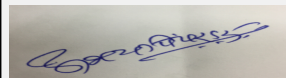
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40. Details of Fuel to be used

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

41. Source of Fuel Not Applicable

42. Mode of Transportation of fuel to site Not Applicable


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43.Green Belt Development	Total RG area :	Not applicable
	No of trees to be cut :	No tree of other vegetation shall be removed. If required, plant shall be removed scientifically so that can be replanted at another place
	Number of trees to be planted :	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place
	List of proposed native trees :	AS above
	Timeline for completion of plantation :	Plantation will be done on regular basis and wherever required

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place

45.Total quantity of plants on ground

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


Serial Number	Name	C/C Distance	Area m2
1	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place

47.Energy

Power requirement:	Source of power supply :	Required power shall be sourced from Arvi 132 Kv substation to Pump House which is 16 km. Peak requirement of power shall be 21 Hr/ day. Power consumption including all type of power in the whole system should not exceed 4.2 MW in 15 years of life time. Required sanction from MSEDCL shall be secured.
	During Construction Phase: (Demand Load)	AS above
	DG set as Power back-up during construction phase	DG set shall be made available for emergency power supply
	During Operation phase (Connected load):	Required power shall be sourced from Arvi 132 Kv substation to Pump House which is 16 km. Peak requirement of power shall be 21 Hr/ day. Power consumption including all type of power in the whole system should not exceed 4.2 MW in 15 years of life time. Required sanction from MSEDCL shall be secured.
	During Operation phase (Demand load):	Required power shall be sourced from Arvi 132 Kv substation to Pump House which is 16 km. Peak requirement of power shall be 21 Hr/ day. Power consumption including all type of power in the whole system should not exceed 4.2 MW in 15 years of life time. Required sanction from MSEDCL shall be secured.
	Transformer:	Required power shall be sourced from Arvi 132 Kv substation to Pump House which is 16 km. Peak requirement of power shall be 21 Hr/ day. Power consumption including all type of power in the whole system should not exceed 4.2 MW in 15 years of life time. Required sanction from MSEDCL shall be secured.
	DG set as Power back-up during operation phase:	DG set shall be made available for emergency power supply
	Fuel used:	Fuel shall only be required to run the DG set, if required
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Not applicable


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49.Detail calculations & % of saving:							
Serial Number	Energy Conservation Measures				Saving %		
1	Not applicable				Not applicable		
50.Details of pollution control Systems							
Source	Existing pollution control system				Proposed to be installed		
Dust pollution during construction	Not applicable				Water sprinkling shall be done on regular basis		
Budgetary allocation (Capital cost and O&M cost):		Capital cost:	2670000000				
		O & M cost:	Include in Capital cost				
51.Environmental Management plan Budgetary Allocation							
a) Construction phase (with Break-up):							
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)				
1	Total Environmental Management Plan cost (Including construction and operation phase)	Not applicable	57.0				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Total Environmental Management Plan cost (Including construction and operation phase)	Not applicable	57.0	10.0			
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)							
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
52.Any Other Information							
No Information Available							
53.Traffic Management							
		Nos. of the junction to the main road & design of confluence:	Not applicable				


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Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Required area shall be provided for parking
	Area per car:	AS above
	Area per car:	AS above
	Number of 2-Wheelers as approved by competent authority:	As above
	Number of 4-Wheelers as approved by competent authority:	As above
	Public Transport:	Public transport facility is available within the approachable distance
	Width of all Internal roads (m):	Not applicable
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No any type of protected area are falling within 10 km red
	Category as per schedule of EIA Notification sheet	Item 7 (h) in EIA Notification, 14th September 2006
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	30-05-2017
Brief information of the project by SEAC		
<p>PP obtained TOR from earlier SEAC-I in their 80th meeting held on 30th and 31st May,2014. The case was discussed on the basis of the presentation made by PP. During 80th meeting PP accepted that they have started the activity on site without prior Environment Clearance and SEAC-I seems the violation and referred the proposal to Environment Department. But looking at the requirement of water for drinking and irrigation purpose approved the TOR for the preparation of EIA report.</p> <p>The Environment Department has withdrawn the proposed directions issued to the PP on 18.02.2016. PP has conducted public hearing on 18.04.2017. Hence committee decided to appraise the proposal.</p>		
DECISION OF SEAC		
SEAC-I decided to defer the consideration till submission of compliance of the below mentioned points.		
Specific Conditions by SEAC:		
<ol style="list-style-type: none"> 1) PP to submit study report on the impact of excavation activity for the laying of pipeline on the environment. 2) PP to submit plan for operation and maintenance of the pipeline distribution system. 3) PP to submit MWRRA permission for lifting of water from the dam. 		
FINAL RECOMMENDATION		
SEAC-I have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions		


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SEAC-1 Meeting Agenda (Day3)

SEAC Meeting number: 139 Meeting Date July 1, 2017

Subject: Environment Clearance for Seya Industries Limited Plot No. D-16, Tarapur MIDC, Palghar, Maharashtra

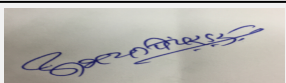
General Information: Venue: CSIR- National Chemical Laboratory (NCL) Guesthouse, Pashan Road, Pune- 411008.

1.Name of Project	Proposed Greenfield project Chlor-Alkali Plant, Coal based Captive Power Plants (CPP), Manufacturing of Synthetic Organic Chemicals, Sulphuric Acid and Allied products
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ashok G. Rajani
4.Name of Consultant	Kadam Environmental Consultants, Vadodara
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No. D-16
9.Taluka	Palghar
10.Village	Boisar
11.Area of the project	MIDC Tarapur, Boisar
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 79175
13.Note on the initiated work (If applicable)	No
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	15.6368 ha.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.):
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	19720000000

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
3	Not applicable	Not applicable	Not applicable
4	Not applicable	Not applicable	Not applicable
5	Not applicable	Not applicable	Not applicable

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	


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27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	10 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable


31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	A. Chlor-Alkali	-	-	-
2	Caustic Soda (100%) Lye/Prills/Flakes	0	8100	8100
3	Chlorine	0	7128	7128
4	Hydrogen Gas	0	202	202
5	B. Synthetic Organic Products	-	-	-
6	Mono Chloro Benzene (MCB)	0	7500	7500
7	Para Nitrochloro Benzene (PNCB)	0	6000	6000
8	Ortho Nitro Chloro Benzene (ONCB)	0	3000	3000
9	Para Dichloro Benzene (PDCB)	0	3333	3333
10	Ortho Dichloro Benzene (ODCB)	0	1666	1666
11	Di Methyl Sulphate (DMS)	0	2000	2000
12	Di Methyl Aniline (DMA)	0	200	200
13	Di Methyl Aniline (DMA)	0	200	200
14	Di Methyl Aniline (DMA)	0	200	200
15	Ortho Anisidine (OA)	0	1800	1800
16	Red B Base	0	1050	1050
17	Sulphuric Acid	0	16500	16500
18	Allied Products:	-	-	-
19	Thionyl Chloride	0	3000	3000
20	Liq.SO2	0	600	600
21	Liq. SO3	0	6750	6750
22	65% Oleum	0	1500	1500
23	24% Oleum	0	1500	1500
24	Chloro Sulphonic Acid (CSA)	0	3000	3000
25	By-Products:	-	-	-
26	Dil. HCl	0	20320	20320


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27	Crude Di Chloro Benzene (DCB)	0	600	600
28	Dil. Sulphuric acid (78-80%)	0	486	486
29	Sodium Hypochlorite	0	850	850
30	Dil. Sulphuric acid (70-72%)	0	7954	7954
31	Meta Nitro Chloro Benzene (MNCB)	0	126	126
32	Di Nitro Chloro Benzene (DNCB)	0	63	63
33	Sodium Acetate	0	410	410
34	Details of Captive Power Plants :	-	-	-
35	1. CPP-I	-	-	-
36	Power	0	11.35 MW	11.35 MW
37	Steam	0	133 TPH	133 TPH
38	2. CPP-2	-	-	-
39	Power	0	45 MW	45 MW

32.Total Water Requirement

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

33.Details of Total water consumed


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Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	45	45	0	9	9	0	36	36
Gardening	0	39	39	0	39	39	0	0	0
Cooling tower & thermopack	0	10133	10133	0	7203	7203	0	2930	2930
Industrial Process	0	846	846	0	518	518	0	328	328
Fresh water requirement	0	8136	8136	0	0	0	0	3294	3294

34. Rain Water Harvesting (RWH)	Level of the Ground water table:	60 ft
	Size and no of RWH tank(s) and Quantity:	Annul rainwater available will be 75810.3 KL
	Location of the RWH tank(s):	Below parking area, green belt and gardens, roads etc.
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	1.5 Crs
	Budgetary allocation (O & M cost) :	50 Lacs
	Details of UGT tanks if any :	Raw water will be stored in underground tank of RCC construction and the area of under ground tank is estimated 4642M2 with 3 M depth from ground level.

35. Storm water drainage	Natural water drainage pattern:	Proper and separate storm water drains available, as per natural slope.
	Quantity of storm water:	NA
	Size of SWD:	NA

Sewage and Waste water	Sewage generation in KLD:	36
	STP technology:	Primary, Secondary and Tertiary Treatment
	Capacity of STP (CMD):	40 KLD
	Location & area of the STP:	Near ETP
	Budgetary allocation (Capital cost):	21.55 lacs
	Budgetary allocation (O & M cost):	13.3 lacs

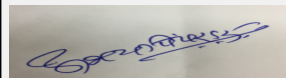
36. Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Generation of Debris, Generation of scraps
	Disposal of the construction waste debris:	Debris will be reused in filling low lying area, Scraps will be sold to authorized vendors
Waste generation in the operation Phase:	Dry waste:	Fly Ash
	Wet waste:	Distillation Residue, Spent Oil, ETP Sludge , Spent Carbon
	Hazardous waste:	3183 MPA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	0.046 MTPA
	Others if any:	Municipal Solid Waste, Industrial Solid Waste, Plastic Waste, E-waste

Mode of Disposal of waste:	Dry waste:	Brick Manufacture/ as fertilizer
	Wet waste:	MWML, Taloja CHWTSDF
	Hazardous waste:	MWML, Taloja CHWTSDF
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as Manure in Gardening
	Others if any:	authorize vendors or sent to nearest municipal waste collection site for disposal as MSW.,
Area requirement:	Location(s):	Plant Area, Hazardous Waste Storage Area, Admin/Canteen Area, Parking Area, Internal Road Area, Open Area, Green Belt Area
	Area for the storage of waste & other material:	Plant Area - 8525 sq.m , Hazardous Waste Storage Area - 200 sq.m, Admin/Canteen Area - 2000 sq.m, Parking Area - 18764 sq.m, Internal Road Area - 11060 sq.m
	Area for machinery:	8525 sq.m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	1972 crs
	O & M cost:	39.44 crs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	ETP I - Synthetic Organic Chemical product Plant	-	-	-	-
2	Design Flow	400 m3/day	400	400	-
3	pH	-	4 - 9	7.5 - 8.5	6.5-8.5
4	BOD	mg/l	2000 - 2500	<50	<100
5	COD	mg/l	4000 - 5000	<150	<250
6	TSS	mg/l	300 - 400	<20	<100
7	TDS	mg/l	1800 - 2000	<1000	< 2100
8	0 & G	mg/l	10 - 20	<10	<10
9	ETP 2 - (CPP, Chlor-Alkali Plant. Sulphuric Acid and Utilities)	Water will be recycled	-	-	-
10	Design Quantity	m3/day	3500	618	-
11	pH	-	7.0 - 7.5	7.0 - 7.5	-
12	BOD3, 270C	mg/l	25-30	< 100	-
13	COD	mg/l	50-75	<300	-
14	TSS	mg/l	100-150	<250	-
15	TDS	mg/l	4000-5000	<30000	-
16	for MEE	-	-	-	-
17	Design Quantity	m3/ day	700	700	-
18	pH	-	7.0 - 7.5	7.0 - 7.5	-
19	BOD3, 270C	mg/l	<100	< 02	-
20	COD	mg/l	<300	<05	-
21	TSS	mg/l	<250	<04	-
22	TDS	mg/l	<30000	<150	-
Amount of effluent generation (CMD):		3294 KLD			
Capacity of the ETP:		ETP 1 - 400 KLD and ETP 2 - 3500 KLD			
Amount of treated effluent recycled :		2927 KLD			
Amount of water send to the CETP:		318 KLD			
Membership of CETP (if require):		Yes			


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Note on ETP technology to be used	Two separate effluent treatment plants will be provided: ETP 1(Effluent from synthetic organic plant): Primary, secondary and tertiary treatment will be provided and treated effluent will be sent to Tarapur CETP. ETP 2(Effluent from sulphuric acid plant, chlor alkali plant and power plant): Primary, tertiary, RO and MEE will be provided and treated effluent will be recycled back (ZLD).
Disposal of the ETP sludge	To MWML, Talaja CIWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Distillation Residue	20.3	MTPA	0	672	672	collection. Storage, transportation and send to MWML, Talaja CHWIF for incineration
2	Spent Oil	5.1	MTPA	0	10	10	Collection. storage. reuse/ sale to authorized recycler
3	ETP Sludge and MEI: Salts	35.3	MTPA	0	7280	7280	Collection, Storage, transportation and send to MWML. Talaja CHWISDE
4	Spent Carbon	36.2	MTPA	0	137.5	137.5	Collection. Storage, transportation and send to MWML. Talaja CIWISDE
5	Spent Catalyst	35.2	MT per 1-2 years	0	248.4 MT per 1-2 years	48.4	Will be given for regeneration/ reactivation to authorized vendor
6	Discarded drums and containers	33.1	No/M	0	2000	2000	Collection, decontaminations, storage, reuse/ sale to 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	Boiler (waste Heat Recovery) -(32 TPH)	Coal	1	40	1	523
2	DG Set (1.5 MW)	HSD	2	30	1.2	373
3	Boiler — CPP 1 (140 TPH)	Coal	3	80	3.2	423
4	Boiler—CPP 11 (200 TPH)	Coal	4	90	3	423

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Imported Coal	0	1104 TPD	1104 TPD
2	HSD	0	300 Lit/hr	300 Lit/hr

41.Source of Fuel Imported and Local Depot

42.Mode of Transportation of fuel to site By Road

43.Green Belt Development	Total RG area :	25800 m2
	No of trees to be cut :	No
	Number of trees to be planted :	2865 Nos.
	List of proposed native trees :	Bel, Neem, Shesham, Peepal, Emali, Arjun, Palm
	Timeline for completion of plantation :	5 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Aegle marmelos	Bel	50	Control Noise level, Dust Controller
2	Azardirachta indica	Neem	50	Control Noise level, Dust Controller, Absorb Gas Emission
3	Delbergiasissoo	Shesham	40	Dust Controller , Dust Registant
4	Ficus religiosa	Peepal	50	Control Noise level, Absorb Gas Emission
5	Tamarindus indica	Emali	40	Control Noise level, Absorb Gas Emission
6	Terminalia arjuna	Arjun	40	Control Noise level, Absorb Gas Emission
7	Phoenix sylvestris	Palm	40	Dust Controller
8	Nerium indicum	Kanher	87	Ornamental
9	Lawsonia inermis	Mehandi	87	Ornamental
10	Hibiscus rosa-sinensis	Jaswand	87	Ornamental

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 :	Chlor-Alkali 45 MW, Synthetic Organic Chemical Products and Sulphuric Acid Plant 16.89 MW
	During Construction Phase: (Demand Load)	1.5 MW power will be required during construction phase
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	12 MW power required for first phase of project implementation and will be met from Cogen plant.
	During Operation phase (Demand load):	NA
	Transformer:	NA
	DG set as Power back-up during operation phase:	D.G set of 1.5 MW will be used as an emergency backup power on need basis
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

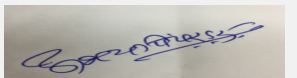
Nil

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Chlor-Alkali Plant- Air Emission	NA	Water/ Caustic Scrubber


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Chlor-Alkali Plant - Waste Water	NA	Effluent will be treated in ETP followed by RO and MEE treatment and will be reused back
Chlor-Alkali Plant - Solid Waste	NA	Brine Sludge will be sent to CHWTSDF
Synthetic Organic chemical Products - Air Emissions	NA	Caustic Scrubber
Synthetic Organic chemical Products - Waste Water	NA	Effluent will be treated in ETP and sent to CETP
Synthetic Organic chemical Products - Solid Waste	NA	Will be sent to CLIME/ CHWTSDF as per the SHW rules
Synthetic Organic chemical Products - Solid Waste	NA	Will be sent to CLIME/ CHWTSDF as per the SHW rules
Sulphuric Acid Plant - Air Emission	NA	Scrubbed with CSA (part of process) followed by vent/ Caustic Scrubber/ On line SO2 analyser
Sulphuric Acid Plant - Waste Water	NA	No waste water is generated
Sulphuric Acid Plant - Solid Waste	NA	Waste will be given to appropriate vendors
CPP I & II - Air Emission	NA	ESP and Adequate Stack Height
CPP I & II - Waste Water	NA	Effluent will be treated using RO and MEE and will be reused

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	Dust	Air Pollution	100
2	Debries	Solid Waste	300
3	Construction Machines	Noise Pollution	100

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
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1	Air Pollution Control & Monitoring	NA	790	103.5
2	Water Pollution Control & monitoring	NA	1751	1666
3	Noise Pollution Control	NA	-	0.2
4	Solid and Hazardous waste management	NA	22	10
5	Ecology and Biodiversity	NA	5.7	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
Salt	Solid	open Salt Yard	6080	6080	11180	Local Market	Truck
H2SO4	Liquid	Tank	2 x 200=400 KL	2 x 200=400 KL	4828.2	In-House/Local Market	Pipeline
Sodium Carbonate	Solid	50 Kg Bag	2	2	140.4	Local Market	Truck
Alpha Cellulose	Solid/Liquid	50 X 40 - Bag	1	1	7.02	Local Market	Truck
Flocculent	Solid/Liquid	50 X 40 - Bag	1	1	7.02	Local Market	Truck
Sodium Bi-Sulphite	Solid	50 Kg Bag	2	2	7.02	Local Market	Truck
Benzene	Liquid	Tank	2x500 = 1000 KL	2x500 = 1000 KL	7124	Local Market	Tank
Chlorine	Liquid	Tank	3 x 100 = 300	3 x 100 = 300	1560	In House	Pipeline
Chlorine	gas	Tonnors	250 x 0.9 = 225	250 x 0.9 = 225	8879	In House	Pipeline
Mono chloro benzene (MCB)	Liquid	Tank	250 KL	250 KL	6240	In House	Pipeline
HNO3	Liquid	Tank	2 x 500 = 500KL	2 x 500 = 500KL	3780.4	Local Market	Tank
Methanol	Liquid	Tank	170 KL	170 KL	1518.4	Local Market	Tank
Liq SO3	Liquid	Tank	2 x 200 = 400 KL	2 x 200 = 400 KL	4212	In House	Pipeline
Aniline	Liquid	Tank	15 KL	15 KL	119.6	Local Market	Tank
Aniline	Liquid	Tank	15 KL	15 KL	119.6	Local Market	Tank
ONCB	Liquid	Tank	300 KL	300 KL	1976	In House	Pipeline
H2 Gas	Gas	Gas Holder	200	200	78	In House	Pipeline
Acetic Anhydride	Liquid	Tank	30 KL	30 KL	442	Local Market	Tank
Ortho Anisidine	Liquid	Tank	20 KL	20 KL	538	Local Market	Drum
Sodium Carbonate	Solid	bag	50 kg	50 kg	598	Local Market	Truck
Sulphure	Solid	Open Yard	3000	3000	4886.44	Local Market	Truck
Liq. SO3	Liquid	Tank	2 x 200 = 400 KL	2 x 200 = 400 KL	4021.16	In House	Pipeline
HCl	Liquid	Tank	4 x 500 = 2000 KL	4 x 500 = 2000 KL	780	In House	Pipeline

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:	18764 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):	9 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Gujarat State Boundary: 14.06 kms towards North (from project she to Dahanu Road Station)
	Category as per schedule of EIA Notification sheet	1(d). 4 (d). 5 (f) Category B
	Court cases pending if any	NA
	Other Relevant Informations	Nil
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-03-2016
Brief information of the project by SEAC		
DECISION OF SEAC		
The proposal is already recommended by earlier SEAC-I in their 136th meeting held on 7th October,2016.		
SEAC-I decided to forward the proposal on SEIAA portal.		
Specific Conditions by SEAC:		
FINAL RECOMMENDATION		
Kindly find SEAC decision above.		


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

SEAC-1 Meeting Agenda (Day3)

SEAC Meeting number: 139 Meeting Date July 1, 2017

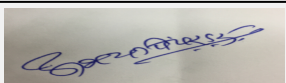
Subject: Environment Clearance for INDUSTRIAL PROJECT

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

1.Name of Project	GAJLAXMI STEELS PVT LTD.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Anoop Jajoo
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	Industrial Estate, Jalna Additional MIDC
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Expansion (2000 TPM to 8000 TPM) earlier EC was not required, production capacity was within EC limit
8.Location of the project	F-4,5,6 Addl MIDC, Jalna
9.Taluka	Jalna
10.Village	Jalna
11.Area of the project	MIDC area, Jalna
12.IOD/IOA/Concession/Plan Approval Number	NA 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.)	7,182 m2
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.):
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	70000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
23.Number of tenants and shops	Not applicable		
24.Number of expected residents / users	225 No. of workers		
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))	12m		


Abhay Pimparkar (Secretary
SEAC-I)

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28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 - 12 m
29. Existing structure (s) if any	Yes, Industrial shed for existing production
30. Details of the demolition with disposal (If applicable)	Not applicable

31. Production Details

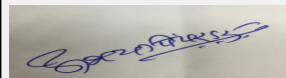
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	A. MS Billets/Ingots and/or and/or	2000 TPM	6000 TPM	8000TPM

32. Total Water Requirement

Dry season:	Source of water	MIDC Jalna
	Fresh water (CMD):	85
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	110
	Fire fighting - Underground water tank (CMD):	50
	Fire fighting - Overhead water tank (CMD):	NA
	Excess treated water	NA
Wet season:	Source of water	MIDC Jalna
	Fresh water (CMD):	80
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	110
	Fire fighting - Underground water tank (CMD):	50
	Fire fighting - Overhead water tank (CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	Not applicable	

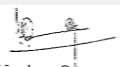
33. Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
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Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	10	10	0	5	5	0	5	5
Cooling tower & thermopack	0	65	65	0	65	65	0	0	0
Industrial Process	0	30	30	0	10	10	0	20	20
Gardening	0	5	5	0	0	0	0	0	0

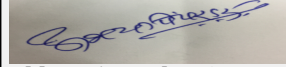
34. Rain Water Harvesting (RWH)	Level of the Ground water table:	3.84 to 16.20 m bgl
	Size and no of RWH tank(s) and Quantity:	1 No. 10mX10mX5m
	Location of the RWH tank(s):	near green belt
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
Details of UGT tanks if any :	NA	

35. Storm water drainage	Natural water drainage pattern:	Natural water drainage pattern By gravity
	Quantity of storm water:	70 m ³
	Size of SWD:	300x450mm

Sewage and Waste water	Sewage generation in KLD:	5
	STP technology:	Extended aeration system
	Capacity of STP (CMD):	1 no. Prefabricated STP having capacity 10 m ³ /d
	Location & area of the STP:	near admin building
	Budgetary allocation (Capital cost):	Rs. 10.00 Lakhs
Budgetary allocation (O & M cost):	Rs. 0.50 Lakhs/annum	


36. Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	debris, cement bags, empty drums etc.
	Disposal of the construction waste debris:	used within site, sent to Authorized recyclers
Waste generation in the operation Phase:	Dry waste:	office waste 56 kg/d, slag 12 T/d, process waste, refractory, scrap 4 MT
	Wet waste:	Nominal
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	1 kg/d
Others if any:	NA	


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Mode of Disposal of waste:	Dry waste:	Authorized vendor
	Wet waste:	used for composting
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure
	Others if any:	NA
Area requirement:	Location(s):	near process area
	Area for the storage of waste & other material:	50 m2
	Area for machinery:	50 m2
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 3.50 Lakhs
	O & M cost:	0.50 Lakhs/annum

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	NA	NA	NA	NA	NA	NA	NA

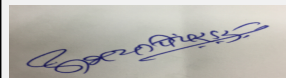
39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1 No.	electricity	1	30	1.2	95 0C

40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	electricity	electricity	electricity	electricity
41. Source of Fuel		Electricity (MSEDCL)		
42. Mode of Transportation of fuel to site		from transmission line		

43. Green Belt Development	Total RG area :	1040 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	100
	List of proposed native trees :	100
	Timeline for completion of plantation :	approx. 2 years


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusopes alengi	Bakul	15	evergreen tree, timber yielding
2	Azadirctca indica	Neem	20	Evergreen Medicinal plant
3	Pongamea pinnata	Karanj	15	Medicinal plant
4	Saraca indica	Sita Ashok	10	Evergreen Medicinal plant
5	Syzygiam cumini	Jambhul	5	fruittree and bird attracting
6	Neolamarkia cadamba	Kadamb	10	Tropical fruit tree and bird attracting
7	Vitex negundo	Nirgudi	10	Evergreen Medicinal plant
8	Bombax ceiba	Savar	15	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	NA	NA	NA

47.Energy

Power requirement:	Source of power supply :	MIDC Jalna
	During Construction Phase: (Demand Load)	limited
	DG set as Power back-up during construction phase	1 No. 60 kVA
	During Operation phase (Connected load):	10100 kVA
	During Operation phase (Demand load):	10100 kVA
	Transformer:	NA
	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:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Venture Dust collector provided	Dust collector with wet scrubber proposed
Water	Septic tank with soak pit	STP proposed for domestic waste water treatmnet
Solid Waste	Collection, segregation	Collection , Segregation

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

51.Environmental Management plan Budgetary Allocation

 Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 139 Meeting Date: July 1, 2017	Page 29 of 56	Signature:  Name: Dr. Umakant Gangotree Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	for construction	for construction	Rs. 149.10 Lacs

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 environmnet	Stack - emission control	120.00	8.00
2	water & waste water	water & waste water	15.00	0.30
3	Green belt	Green belt	5.00	1.40
4	Envt. monitoring	Envt. monitoring	--	0.35
5	Envt.cell & PR	Envt.cell & PR	0.10	0.65
6	other aspects like RWH, safty, security etc.	other aspects like RWH, safty, security etc.	2.50	0.30
7	Contingency	Contingency	3.00	0.20

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
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available


53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	862 m2
	Area per car:	12.5
	Area per car:	12.5
	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):	9-12 m
	CRZ/ RRZ clearance obtain, if any:	NA



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	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	3 a
	Court cases pending if any	NA
	Other Relevant Informations	<ul style="list-style-type: none"> • Earlier we had presented the case during 81st SEAC-I meeting for ToR and received ToR for the same. (production of Billets/ Ingots)• EIA was submitted on 5.3.2016, then presented the case for EIA Appraisal during 124th SEAC-I meeting. (production of Billets/ Ingots), For this meeting we • we received compliance points, we submitted (revised form & PFR)the compliance points along with the letter clarifying addition of plot and process of rolling mill in the proposal. • We presented the case in 128th and 133rd SEAC -I meeting - case was differed for site visit. • Again presented the case during 135th SEAC-I meeting.As per 135th SEAC-I MoM, now we are submitting herewith revised Application for the same. we request you to consider case and accept our earlier EIA Report for the same.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	04-03-2013
Brief information of the project by SEAC		
DECISION OF SEAC		
PP informed his absence during the meeting vide letter dated 30.06.2017; hence SEAC-I decided to defer the proposal till PP confirms his readiness to present the case before the committee.		
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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SEAC-1 Meeting Agenda (Day3)

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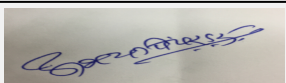
Subject: Environment Clearance for Scientific processing of MSW in 52.45 ha area which is in CRZ III area other than CRZ-I at Kanjur MSW processing site in Mumbai.

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

1.Name of Project	Scientific processing of MSW in 52.45 ha area which is in CRZ III area other than CRZ-I at Kanjur MSW processing site in Mumbai.
2.Type of institution	Government
3.Name of Project Proponent	Municipal Corporation of Greater Mumbai
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	others Scientific MSW Processing Facility
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project in terms of land use without enhancing the capacity
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	--
9.Taluka	Mumbai
10.Village	Kanjurmarg
11.Area of the project	Municipal Corporation of Greater Mumbai
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.)	52.45 ha
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.):
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	5000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
23.Number of tenants and shops	Not Applicable		
24.Number of expected residents / users	Not applicable		
25.Tenant density per hectare	Not applicable		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18.3 m		


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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

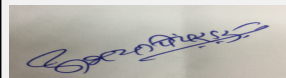
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	--	0	0	0

32. Total Water Requirement

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

33. Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
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Abhay Pimparkar (Secretary SEAC-I)

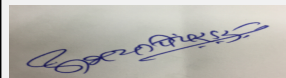
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Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	100	0	0	100	0	0	0	0
34. Rain Water Harvesting (RWH)									
		Level of the Ground water table:	Not Applicable						
		Size and no of RWH tank(s) and 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:	--						
		Quantity of storm water:	--						
		Size of SWD:	--						
Sewage and Waste water									
		Sewage generation in KLD:	Not Applicable						
		STP technology:	Not Applicable						
		Capacity of STP (CMD):	Not Applicable						
		Location & area of the STP:	Not Applicable						
		Budgetary allocation (Capital cost):	Not Applicable						
		Budgetary allocation (O & M cost):	Not Applicable						
36. Solid waste Management									
Waste generation in the Pre Construction and Construction phase:		Waste generation:	Not Applicable						
		Disposal of the construction waste debris:	Not Applicable						
Waste generation in the operation Phase:		Dry waste:	Not Applicable						
		Wet waste:	Leachate						
		Hazardous waste:	Not Applicable						
		Biomedical waste (If applicable):	Not Applicable						
		STP Sludge (Dry sludge):	Not Applicable						
		Others if any:	Not Applicable						

Mode of Disposal of waste:	Dry waste:	Not Applicable					
	Wet waste:	Leachate generated from bioreactor landfill will be collected separately through internal pipeline networks and treated on-site via ETP to meet the CPCB guidelines for effluent disposal					
	Hazardous waste:	Not Applicable					
	Biomedical waste (If applicable):	Not Applicable					
	STP Sludge (Dry sludge):	Not Applicable					
	Others if any:	Not Applicable					
Area requirement:	Location(s):	52.45					
	Area for the storage of waste & other material:	--					
	Area for machinery:	--					
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	--					
	O & M cost:	--					
37. Effluent Characteristics							
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)		
1	--	--	--	--	--		
Amount of effluent generation (CMD):		Not Applicable					
Capacity of the ETP:		Not Applicable					
Amount of treated effluent recycled :		Not Applicable					
Amount of water send to the CETP:		Not Applicable					
Membership of CETP (if require):		Not Applicable					
Note on ETP technology to be used		Not Applicable					
Disposal of the ETP sludge		Not Applicable					
38. Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not Applicable	Not Applicable	Not Applicable	0	0	0	Not Applicable
39. Stacks emission Details							
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	Not Applicable	0	0	0	0	0	
40. Details of Fuel to be used							
Serial Number	Type of Fuel	Existing	Proposed	Total			
1	Biogas	--	--	--			
41. Source of Fuel		Biogas will be generated as a byproduct of degradation of waste from Bioreactor landfill and sanitary landfill					
42. Mode of Transportation of fuel to site		Not Applicable					


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43.Green Belt Development	Total RG area :	5 Ha
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	3426 + 4500 Mangrove Saplings
	List of proposed native trees :	--
	Timeline for completion of plantation :	5 YEARS

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca Ashoka	Ashoka	279	Shady Tree
2	Kijeliya pinnata	Sausage Tree	10	Ornamental Tree
3	Thespesia Populnea	Bhend	500	Shady Tree
4	Bougainvilla globra	Bougainvilla	500	Ornamental Tree & Flowering
5	Cocos nucifera	Coconut	47	Fruiting Tree
6	Cestrum nocturnam	Ratrani	29	Flowering
7	Hibiscus rosa-sinensis	Jaswand	50	Flowering
8	Azadirachta Sp.	Kadu limb	8	Medicinal
9	Neolamarika Cadamba	Kadam	12	Shady
10	Syzygium cumini	Jambul	7	Fruiting Tree & Shady
11	Copperpod	Peltoforum	77	Flowering
12	Blue gum	Eucalyptus	937	Shady
13	Casuarina equisetifolia	Suru	970	Shady
14	Mangrove Sapling	--	4500	--

45.Total quantity of plants on ground

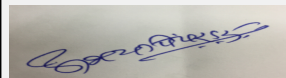
46.Number and list of shrubs and bushes species to be planted in the podium RG:

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

47.Energy


Power requirement:	Source of power supply :	DG Set
	During Construction Phase: (Demand Load)	50 kVA
	DG set as Power back-up during construction phase	DG set
	During Operation phase (Connected load):	--
	During Operation phase (Demand load):	2 MW
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	50 kVA
	Fuel used:	Diesel
Details of high tension line passing through the plot if any:	33 kV	

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	Not Applicable				Not Applicable		
50.Details of pollution control Systems							
Source	Existing pollution control system				Proposed to be installed		
Not Applicable	Not Applicable				Not Applicable		
Budgetary allocation (Capital cost and O&M cost):	Capital cost:		Not Applicable				
	O & M cost:		Not Applicable				
51.Environmental Management plan Budgetary Allocation							
a) Construction phase (with Break-up):							
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)				
1	Environmental Monitoring	SO ₂ , Nox, PM ₁₀ , PM _{2.5} , SPM, CO, Ammonia etc.	8				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Environmental Monitoring	O ₂ , Nox, PM ₁₀ , PM _{2.5} , SPM, CO, Ammonia etc.	20	8			
2	Odour Control	--	--	25			
3	Landscape	Tree Plantaion & Managment	18	5			
4	Environmental Training	--	15	6			
5	Miscellaneous	--	15	5			
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)							
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
--	--	--	0	0	0	--	--
52.Any Other Information							
No Information Available							
53.Traffic Management							
Nos. of the junction to the main road & design of confluence:			Not Applicable				

Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	18.3 m
	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	Yes
	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


TOR was approved by earlier SEAC - I in their 122nd meeting held on 24th ,25th and 26th February, 2016. As decided by SEAC-I in 122nd meeting a site visit had been conducted on 17.07.2016 by the sub committee. The proposal is for 1000 TPD Municipal Solid Waste with windrows Composting and 3000-6500 TPD Municipal Solid Waste Bioreactor landfilling Technology.

DECISION OF SEAC

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

Specific Conditions by SEAC:

- 1) PP to submit their plan for segregation of waste in the city.
- 2) PP to submit copy of compliance of issues raised during the public hearing.
- 3) Earlier SEAC-I observation compliance to be submitted: Since the extended cell does compromise the shallow water body on eastern side of premises, proper drainage plan to ensure that storm water will properly led away so as not to stagnate low line areas shall be prepared and included in the EIA report.
- 4) PP to ensure the compliance of points raised by earlier SEAC in their meeting s and site visit report dated 17.02.2016.
- 5) PP to ensure compliance of the conditions stipulated by MCZMA and CRZ clearance.
- 6) PP to prepare comprehensive drainage plan to ensure proper carrying and disposal of storm water with out contamination.
- 7) PP to take utmost precautions to prevent the nuisance to near by public from the activities carried out on site.
- 8) PP to make traffic plan in such a way that no traffic congestion shall happen on the nearby roads which can affect traffic flow.
- 9) No burning is allowed on site; PP to take adequate precautions to prevent the fire incidents by way of administrative and safety controls like prevention of unauthorized entry, smoking etc.


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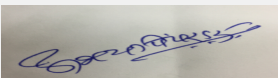
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FINAL RECOMMENDATION


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

SEAC-AGENDA-00000000015


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(Chairman SEAC-I)

SEAC-1 Meeting Agenda (Day3)

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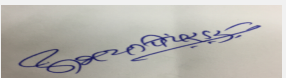
Subject: Environment Clearance for Proposed EC Amendment for Alternative Mode of Transportation of Coal by Road in-addition to Rail Wagons & Use of Indigenous Coal blended with Imported Coal Suitably for 2X150 MW Phase I - Coal Based Thermal Power Plant at Nardana MIDC, Village: Nardana, Taluka: Sindkheda District: Dhule, Maharashtra.

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

1.Name of Project	Proposed EC Amendment for Alternative Mode of Transportation of Coal by Road in-addition to Rail Wagons & Use of Indigenous Coal blended with Imported Coal Suitably for 2X150 MW Phase I - Coal Based Thermal Power Plant at Nardana MIDC, Village: Nardana, Taluka: Sindkheda District: Dhule, Maharashtra.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rajnish Gera
4.Name of Consultant	M/s. Enviro Analysts and Engineers Private Limited.
5.Type of project	2X150 MW Coal Based Thermal Power Project
6.New project/expansion in existing project/modernization/diversification in existing project	EC Amendment for Alternative Mode of Transportation of Coal by Road in-addition to Rail Wagons & Use of Indigenous Coal blended with Imported Coal Suitably.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance has already been obtained. EC Letter No. is SEAC-2013/CR-355/TC-2 Dtd. 16th July 2015.
8.Location of the project	Plot No. 1, Nardana MIDC, Village: Nardana, Taluka: Sindkheda, District: Dhule, Maharashtra.
9.Taluka	Sindkheda
10.Village	Nardana
11.Area of the project	Nardana MIDC
12.IOD/IOA/Concession/Plan Approval Number	Approval received from Regional Office, Dhule MIDC, Dhule - 424006. IOD/IOA/Concession/Plan Approval Number: Letter No. MIDC/RO(DHL)/NAR/LMS-71/543 Date: 22/02/2012 & MIDC/RO(DHL)/NAR/LMS-145/4819 Date: 09/10/2013. Approved Built-up Area: 39222
13.Note on the initiated work (If applicable)	Erection of the Plant is completed and ready for commissioning .
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Letter No. MIDC/RO(DHL)/NAR/LMS-71/543 Date: 22/02/2012 & MIDC/RO(DHL)/NAR/LMS-145/4819 Date: 09/10/2013.
15.Total Plot Area (sq. m.)	115 Ha
16.Deductions	NA
17.Net Plot area	115 Ha
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 98231 b) Non FSI area (sq. m.): NA c) Total BUA area (sq. m.): 98231
19.Total ground coverage (m2)	64911.455
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	20630000000


22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	00	00	00
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))	M/s. Shirpur Power Private Limited has constructed Fire Station of their own within the Plant Premises.		


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28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9.00 m
29. Existing structure (s) if any	Construction work is already completed and the plant is ready for commissioning.
30. Details of the demolition with disposal (If applicable)	NA

31. Production Details

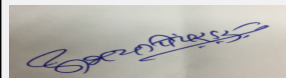
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Power Generation	NA	2 X 150 MW	2 X 150 MW

32. Total Water Requirement

Dry season:	Source of water	Sulewad Barrage of Tapi River
	Fresh water (CMD):	24000
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	1.2
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	24000
	Fire fighting - Underground water tank (CMD):	NA
	Fire fighting - Overhead water tank (CMD):	NA
	Excess treated water	6364.8
Wet season:	Source of water	Sulewad Barrage of Tapi River
	Fresh water (CMD):	24000
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	24000
	Fire fighting - Underground water tank (CMD):	NA
	Fire fighting - Overhead water tank (CMD):	NA
	Excess treated water	6364.8
Details of Swimming pool (If any)	Not applicable	


33. Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
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Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	96	96	0	10	10	0	10	10
Gardening	0	28.8	28.8	0	28.8	28.8	0	0	0
Cooling tower & thermopack	0	20424	20424	0	15360	15360	0	5064	5064
Fresh water requirement	0	24000	24000	0	18235.2	18235.2	0	5764.8	5764.8

34. Rain Water Harvesting (RWH)	Level of the Ground water table:	The water level data of CGWB for Nardana observation well during the period between 2000 and 2013 indicates that the average summer season water level for the period is 7.77 m and the average water level for winter season was recorded as 6.26 m.
	Size and no of RWH tank(s) and Quantity:	2 nos. - 20 M X 20M X 5 M as per EC dated 16th July 2015
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	3 nos. as per EC dated 16th July 2015
	Size of recharge pits :	5 M x 5 M x 2 M as per EC dated 16th July 2015
	Budgetary allocation (Capital cost) :	800000
	Budgetary allocation (O & M cost) :	150000
Details of UGT tanks if any :	PRE-TREATMENT (PT) PLANT: Sludge pit: 60 m ³ RO-MB PLANT: PSF Backwash Tank (Common for WTP & ETP): 100 m ³ EFFLUENT TREATMENT PLANT: N-Pit: 32 m ³ Equalization Sump: 200 m ³ ETP RO Permeate Water Storage Tank: 70 m ³ Central Monitoring Basin (CMB): 500 m ³ Cooling Water Treatment (CWT) Plant: SSF Backwash Collection Sump: 150 m ³	

35. Storm water drainage	Natural water drainage pattern:	The industry is located in Nardana MIDC area where all facilities are available by MIDC. The land is having gentle slope in northern and eastern directions towards the local streamlet Sagarmoti Nala flowing outside the project area in north east part.
	Quantity of storm water:	475000 cum
	Size of SWD:	1.5 mt x 1.5 mt

Sewage and Waste water	Sewage generation in KLD:	10
	STP technology:	Soak pit & Septic tank
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	00
	Budgetary allocation (O & M cost):	00

36. Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction work is already completed and the plant is ready for commissioning.
	Disposal of the construction waste debris:	Construction work is already completed and the plant is ready for commissioning.
Waste generation in the operation Phase:	Dry waste:	Bottom Ash: 4410 MTPM & Fly Ash: 17640 MTPM.
	Wet waste:	NA
	Hazardous waste:	ETP Sludge: 133 Ton/M, Spent Oil: 123.173 Barrels, Lead Acid Batteries: 30 Nos. / Annum.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Will be sold to Cement Manufacturer.
	Wet waste:	NA
	Hazardous waste:	Will be disposed to CHWTSDF, MAHARASHTRA ENVIRO POWER LTD, Ranjangaon.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	Canteen waste will be utilized for Vermiculture
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:	00
	O & M cost:	500000

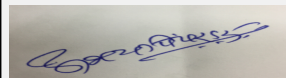
37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	NA	NA	7.2	5.5 -9
2	BOD	Mg/l	NA	40	Less than 100
3	COD	Mg/l	NA	201	Less than 250
4	TDS	Mg/l	NA	1800	Less than 2100
5	Oil & Grease	Mg/l	NA	5	Less than 10
6	NH4+ -N	%	NA	8	50

Amount of effluent generation (CMD):	240.2 m3/hr
Capacity of the ETP:	250 m3/hr
Amount of treated effluent recycled :	240.2 m3/hr
Amount of water send to the CETP:	Nil
Membership of CETP (if require):	No
Note on ETP technology to be used	The ETP comprises of primary, secondary & tertiary treatments viz. equalization tank, neutralization tank, aeration tank, primary & secondary clarifiers & final collection sump. A tertiary treatment in pressure sand filter & activated carbon filter would confirm the effluent characteristics to MPCB norms.
Disposal of the ETP sludge	Will be disposed to CHWTSDF, MAHARASHTRA ENVIRO POWER LTD, Ranjangaon.

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical sludge from ETP	34.3	NA	NA	133 Ton/M	133 Ton/M	CHWTSDF - MEPL


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2	Spent oil	5.1	NA	NA	123.173 Barrels	123.173 Barrels	CHWTSDF - MEPL
3	Lead acid Batteries	Batterie rule 2002	NA	NA	30 Nos/Annum	30 Nos/Annum	CHWTSDF - MEPL

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 2 X 505 TPH	Coal	2	150	10.1	140 degree celcius
2	DG SET 2 X 750 KVA	Diesel	2	8.85	0.2	185 degree celcius

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO	NA	4000KL/Annum	4000KL/Annum
2	Coal	NA	1.21 MTPA	1.21 MTPA

41.Source of Fuel
An MoU is signed with M/s. Jwala Two Energy Resources (S) Pte.Ltd. based at Lajpath Nagar, New Delhi in India for Imported Coal supply and for Indigenous Coal M/s. Shirpur Power Private Limited will obtain the E-linkage / E-auction facility.

42.Mode of Transportation of fuel to site
Mode of Transportation of Coal by Road in-addition to Rail Wagons.

43.Green Belt Development	Total RG area :	37.95 ha
	No of trees to be cut :	NA
	Number of trees to be planted :	14000
	List of proposed native trees :	As listed below
	Timeline for completion of plantation :	5 Years

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

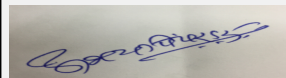
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Casuarina equisetifolia	Suru	1400	Evergreen
2	Terminalis catappa	Jangli Badam	1400	Evergreen
3	Azadirachata Indica	Neem	1400	Evergreen
4	Lowsonia incerme	Mendi	1400	Evergreen
5	Acacia Nilotica	Babul/kikar	1400	Evergreen
6	Ficus Religiosa	Pimpal	1400	Evergreen
7	Bambusa Valgaris	Yellow Bamboo	1400	Evergreen
8	Polyalthia Longifolia	Ashok	1400	Evergreen
9	Delonix Regia	Gulmohar	1400	Evergreen
10	Ficus Bengalensis	Vad	1400	Evergreen

45.Total quantity of plants on ground

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

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

47.Energy


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Power requirement:	Source of power supply :	In-house Generation
	During Construction Phase: (Demand Load)	Construction work is already completed and the plant is ready for commissioning.
	DG set as Power back-up during construction phase	Construction work is already completed and the plant is ready for commissioning.
	During Operation phase (Connected load):	59.04 MW
	During Operation phase (Demand load):	27 MW from In-house Generation
	Transformer:	29
	DG set as Power back-up during operation phase:	2 X 750 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

This is a proposed project and it will be during operational phase of the plant.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	For Flue gas emission ESP is commissioned for 2 X 505 TPH boiler	NA
Water	Effluent Treatment Plant	NA
Noise	The boiler would be kept in an isolated area with proper acoustic treatment to have ambient noise level as per CPCB standards. The workers would be provided with proper personal protective equipments (PPE) such as ear plugs, ear muffs etc. The DG set would be enclosed in a canopy as well as silencer.	NA
Solid waste	Non hazardous salable solid waste generated will be disposed off by giving back to the suppliers / sold to scrap collectors and Hazardous Solid Wastes will be disposed to CHWTSDF, MAHARASHTRA ENVIRO POWER LTD, Ranjangaon.	NA

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	00
	O & M cost:	00

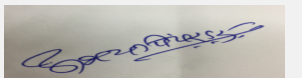
51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	Sewage/Effluent treatment Plant & recycling scheme	150	0.5
2	solid waste management	solid waste management	100	00


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3	Land environment	Landscaping	100	0.5
4	Air environment	Pollution control	150	00

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
LDO	Nil	Near CHP Controll Room	4000 KL	4000 KL	120000 KL	NA	By Tankers

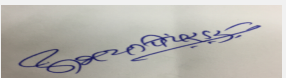
52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	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):	7.0 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	Category B1
	Court cases pending if any	NA
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC


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PP had obtained earlier EC vide No SEAC-2010/CR-177/TC-2 dated 25.11.2010 under category 1(d)B1 in which the use of Imported and Indigenous coal was permitted. Then on the request of PP revised Environment Clearance was issued vide letter No. SEAC-2013/CR-355/TC-2 dated 16.07.2015. In this amended EC use of Indonesian Coal and transport by rail was specifically mentioned.

Now PP requested for following amendment in the Environment Clearance dated 16.07.2015

1. The mode of transport of coal by rail and /or road to be allowed till rail facility is made operative in the region.
2. Use of blend of Indian and Indonesian Coal be allowed with appropriate proportion equal to the design of Air Pollution Control Equipments.

SEAC-I considered the proposal for amendment in this meeting. SEAC-I also went through the requirements of public consultation as per Office Memorandum issued by MoEF&CC dated 04.04.2016 and is of the opinion that as unit is having earlier Environment Clearance and the proposal is only for the amendment in the use of coal blend and stand by mode of transport by road till rail services are being operative in the region; the public consultation is not required.

DECISION OF SEAC

SEAC-I decided to approve the amendment and recommend the proposal to SEIAA.

Specific Conditions by SEAC:

- 1) PP to ensure that, the coal during the transport shall be adequately covered and moisture in the coal to be maintained by sprinkling water to prevent pollution issues.
- 2) PP to provide Sewage Treatment Plant instead of soak pit.
- 3) PP to submit calculations and design details of all Air Pollution Control Measures to be adopted on site.
- 4) PP to submit undertaking for adequate precautions to maintain Air and Water pollution within prescribed standards.
- 5) PP to provide online stack monitoring mechanism.
- 6) PP to explore possibility to reuse carbon dioxide generated during the process and submit a report.


FINAL RECOMMENDATION

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


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(Chairman SEAC-I)**

SEAC-1 Meeting Agenda (Day3)

SEAC Meeting number: 139 Meeting Date July 1, 2017


Subject: Environment Clearance for Application for Proposed Expansion in the products capacity, Plot No. N-95 +96+96/1, MIDC, Industrial area, Tarapur (Boisar), Taluka & District Palghar, Maharashtra 401506

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

1.Name of Project	Nirbhay Rasayan Pvt. Ltd., Proposed Expansion in the products capacity of Synthetic Chemical pigment industry at MIDC, Tarapur.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Manish Kothari/ Mr. Thadani
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd., F-7, Road No. 21, Wagle Estate, Thane (West)-400604
5.Type of project	Chemical Industry
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No (Existing since 1993, There was no EC Notification during that period)
8.Location of the project	Plot No. N-95,96,96/1 MIDC , Village Boisar, Taluka Tarapur, District palghar, State Maharashtra 401506
9.Taluka	Palghar
10.Village	Tarapur (Boisar)
11.Area of the project	Tarapur, MIDC area (Chemical Zone)
12.IOD/IOA/Concession/Plan Approval Number	We received COI no of company at 6.03.1987 having no 42810 IOD/IOA/Concession/Plan Approval Number: We received COI no of company at 1987 having no 42810 Approved Built-up Area: 4992
13.Note on the initiated work (If applicable)	Existing construction as per MIDC approvals. No construction initiated for expansion activities
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	5,900 sq.mt.
16.Deductions	0 sq.mt.
17.Net Plot area	5,900 sq.mt.
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 4,992 b) Non FSI area (sq. m.): 908 c) Total BUA area (sq. m.): 3900
19.Total ground coverage (m2)	3900
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	66%
21.Estimated cost of the project	332200000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	N-95	Ground+2 Floors	18
2	N-96	Ground+1 Floor	12
3	N-96/1	Ground+3 Floors	25
23.Number of tenants and shops	Not Applicable		
24.Number of expected residents / users	Not Applicable		
25.Tenant density per hectare	Not Applicable		
26.Height of the building(s)			


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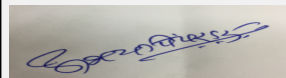
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27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	20 to 25 mts.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m
29.Existing structure (s) if any	1778 sq.mt.
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	Copper Phthalo Cyanine Blue Crude	70	330	400
2	Copper Phthalo Cyanine Green (CPC Green)	30	90	120
3	Alpha / Beta Blue Pigment	20	220	240
4	Pigment Emulsions (Alpha + Beta + CPC-Green)	10	140	150
5	Copper Phthalo Cyanine Blue - Activated	Nil	50	50
6	Cuprous Chloride / Cupric Chloride	Nil	100	100
7	Aluminium Chloride	Nil	250	250
8	PAC/Aluminium Chloride	Nil	1200	1200
9	Ammonium Chloride	Nil	300	300
10	Ammonium Carbonate	Nil	300	300
11	Aluminium Carbonate	Nil	200	200
12	Ammonium Sulphate	Nil	400	400
13	Hydrochloric Acid (HCl) 30% Solution (By-Product)	50	150	200
14	Hypo (NaOCl) 10% Solution (By-Product)	125	375	500
15	Copper / Copper Chloride / Copper Sulphate / Salts of Copper (By-Product)	Nil	4	4
16	Sulfuric Acid (H ₂ SO ₄) 25% Solution (By-Product)	Nil	2000	2000

32.Total Water Requirement


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Dry season:	Source of water	MIDC
	Fresh water (CMD):	1284
	Recycled water - Flushing (CMD):	12
	Recycled water - Gardening (CMD):	4
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	1300
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	Negligible
Wet season:	Source of water	MIDC
	Fresh water (CMD):	1200
	Recycled water - Flushing (CMD):	12
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	1300
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	Negligible
Details of Swimming pool (If any)	Not Applicable	


33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	8	4	12	1	1.5	2.5	0	0	0
Gardening	2	-	2	0	0	0	0	0	0
Cooling tower & thermopack	6	15	21	6	14	20	0	1	1
Industrial Process	164	1,101	1,265	61	72	133	103	1029	1132



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34. Rain Water Harvesting (RWH)	Level of the Ground water table:	10-15 m
	Size and no of RWH tank(s) and Quantity:	1 No. 100 KLD
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	10 no.
	Size of recharge pits :	2 m x 2 m x 2 m depth
	Budgetary allocation (Capital cost) :	Rs.10 Lakh
	Budgetary allocation (O & M cost) :	Rs.1 Lakh / year
	Details of UGT tanks if any :	1. Raw water tank 60 m3 2. Fire tank Capacity 100 m3
35. Storm water drainage	Natural water drainage pattern:	Open/covered drainage all around the plant
	Quantity of storm water:	0.16 m3 / sec
	Size of SWD:	350 mm x 450 mm
Sewage and Waste water	Sewage generation in KLD:	15
	STP technology:	MBBR
	Capacity of STP (CMD):	20 m3/day
	Location & area of the STP:	on ground
	Budgetary allocation (Capital cost):	Rs.20 Lakh
	Budgetary allocation (O & M cost):	Rs.2 Lakh/year
36. Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Excavation of soil /stone
	Disposal of the construction waste debris:	Used for land filling and plinth working within premises
Waste generation in the operation Phase:	Dry waste:	Domestic
	Wet waste:	Nil
	Hazardous waste:	ETP Sludge - 250 kg/day
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Negligible
	Others if any:	Empty carboys / Containers, torn plastic bags, plastic drums, polyethylene liners
Mode of Disposal of waste:	Dry waste:	Municipal body collection
	Wet waste:	Not Applicable
	Hazardous waste:	To MWML
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	Returned to vendors for refilling and / or sold to authorize recyclers


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Area requirement:	Location(s):	Suitably located
	Area for the storage of waste & other material:	10 sq.mt.
	Area for machinery:	To be allocated
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.2 Lakh
	O & M cost:	Rs.1 Lakh/year (Estimated)

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	3-12	6-8	5-9
2	Suspended Solids	mg/l	300	<100 ppm	100
3	BOD	mg/l	300	<100	<100
4	COD	mg/l	600-1000	<250	<250
5	Oil & Grease	mg/l	<10	<10	<10
6	Total Dissolved Solids	mg/l	1800-2400	2000	2100
Amount of effluent generation (CMD):		1,132			
Capacity of the ETP:		1000 CMD			
Amount of treated effluent recycled :		412 CMD			
Amount of water send to the CETP:		720 CMD			
Membership of CETP (if require):		Already a member			
Note on ETP technology to be used		Primary+Secondary+Tertiary			
Disposal of the ETP sludge		To MWML			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP sludge (semi solid)	26.1 Schedule 1	kg/day	50	200	250	Deposited with MWMA
2	Empty Carboys/Containers	33.1 Schedule 1	no/day	5	5	10	Sold to authorize vendors for Refilling.
3	Polyethylene Liners & torn bags, plastic drums, etc.	33.1 Schedule 1	kg/day	0.33	2.64	3	Sold to authorize vendors for Recycling.

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	Coal/15 tonnes	1	30	900	220
2	Thermo pack	Coal/15 tonnes	1	30	900	220
3	D.G.Set	Diesel/800 LPD	2	5	-	-

40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	400 LPD	400 LPD	800 LPD
2	Coal	10 TPD	20 TPD	30 TPD

41. Source of Fuel Authorized Government Supply

42. Mode of Transportation of fuel to site By Road


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43.Green Belt Development	Total RG area :	1,950 sq.mt.
	No of trees to be cut :	Nil
	Number of trees to be planted :	75 No.
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	Six Months

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	Polyathia Longifolia	Asupalav	30	Aesthetic
2	Mangifera indica	Mango	8	Fruit bearing
3	Hyophorbe lagenicaulis	Bottle Palm	30	Aesthetic
4	Eucalyptus globulus	Nilgiri	7	Medical plant

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Company Limited
	During Construction Phase: (Demand Load)	50 KVA
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	2,500 kW
	During Operation phase (Demand load):	2,000 kW
	Transformer:	2,500 kW
	DG set as Power back-up during operation phase:	2 x 400 KVA
	Fuel used:	Coal & Diesel
Details of high tension line passing through the plot if any:	Not Applicable	

48.Energy saving by non-conventional method:


Not Applicable

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Boiler and thermopack stack	Bag filter / Multi cyclone	Bag filter /multi cyclone


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Production	ETP and Septic tank	ETP and STP
Noise	Ear muffs or ear buds and such other noise prevention equipment's	Ear muffs, ear buds and such other noise prevention equipment provision of Green belt area: 1,950 m ²
Solid Waste	Mumbai Waste Management Authority (MWML)	Mumbai Waste Management Authority (MWML) Empty Carboys / Containers will be returned for refilling Polyethylene liners / torn bags, plastic drums, etc will be sold to authorized vendors for Recycling

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

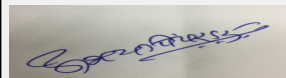
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	pH, Colour, odour, turbidity, Total hardness	0.2
2	Site sanitation	Disinfection	1
3	Health check-up & first aid	Health Check up and First Aid kit	1
4	Safety Personal Protective Equipments	Safety jackets, safety belts, safety shoes, safety goggles	1.5
5	Environmental Monitoring	Air, Water, Soil and Noise Monitoring	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	Air pollution control	Bag Filter, wet scrubber and cyclone separator	120	20
2	Water Pollution Control	ETP/Septic tank	450	50
3	Noise Pollution Control	Ear muffs, ear buds and such other noise prevention equipments	30	2
4	occupational Health	Health check up	4	2
5	Green Belt	Planation	3	0.5
6	Solid Waste Management	Mumbai Waste Management Authority (MWMA)	2	1
7	Rain Water Harvesting and Storm water harvesting	Channelization and Maintance	10	1
8	Environment Monitoring & Management	Air, Noise, Water and Soil Monitoring	40	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
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Sulfuric Acid (98% & 102%)	Colourless liquid Hazardous	-	80	80	500	Purchased from registered and approved suppliers of open market	By road
Xylene / Rosin	Colourless liquid Hazardous	-	1	1	1	Purchased from registered and approved suppliers of open market	By road
Ortho Nitro Toluene	Colourless liquid Hazardous	-	10	10	24	Purchased from registered and approved suppliers of open market	By road
Gas Chlorine	Green yellowish gas Hazardous	-	10	10	150	Purchased from registered and approved suppliers of open market	By road
Monochloro benzene	Colourless liquid Hazardous	-	10	10	4	Purchased from registered and approved suppliers of open market	By road
HCl (30% Solution)cl	Colourless liquid Hazardous	-	As per generation	10	-	By-products	By road
NaOCl (10% Solution)cl	Colourless liquid Hazardous	-	As per generation	10	-	By-products	By road
Liquor Ammonia (20-22% Solution)	Colourless liquid Hazardous	-	As per generation	80	-	By-products	By road
Sulfuric Acid (25% Solution)	Colourless liquid Hazardous	-	As per generation	70	2000	By-products	By road

52. Any Other Information

No Information Available


53. Traffic Management

Nos. of the junction to the main road & design of confluence:	5 Nos.
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Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	710 sq.mt.
	Area per car:	30 sq.mt.
	Area per car:	30 sq.mt.
	Number of 2-Wheelers as approved by competent authority:	20
	Number of 4-Wheelers as approved by competent authority:	7
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m & 7 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	5 (f) B
	Court cases pending if any	Not Applicable
	Other Relevant Informations	We have submitted Proposal to MoEF having file no. SIA/MH/IND2/11751/2016 on dated 16th May, 2016 Existing construction as per MIDC approvals. No construction initiated for expansion activities.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-05-2016
Brief information of the project by SEAC		
This application was already recommended by earlier SEAC-1 in their 137th meeting held on 14th October, 2016.		
Durng this meeting committee decided to forward the proposal to SEIAA portal.		
DECISION OF SEAC		
Specific Conditions by SEAC:		
FINAL RECOMMENDATION		
Kindly find SEAC decision above.		


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