State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 150th (Day 1) **Meeting Date** May 3, 2018

Subject: Environment Clearance for Common Municipal Solid Waste Management Facility (CMSWMF) at Sector 3, Village Umbarde, Tal. Kalyan, Dist. Thane by Kalyan Dombivali Municipal Corporation.

Is a Violation Case: No

1.Name of Project	Common Municipal Solid Waste Management Facility (CMSWMF) at Sector 3, Village Umbarde, Tal. Kalyan, Dist. Thane. Maharashtra.
2.Type of institution	Government
3.Name of Project Proponent	Kalyan Dombivali Municipal Corporation
4.Name of Consultant	ABC Techno Labs India Private Limited, A-355, Third Floor, Balaji Bhavan, Plot No. 42A, Sector 11, CBD Belapur, Navi Mumbai - 400614. Phone : +91-22-27580044 /55. E-mail: chaitanyasathe@abctechnolab.com
5.Type of project	Common Municipal Solid Waste Management Facility (CMSWMF)
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Survey no - 33, 34P, 22P, 21P, 35, 36, 37P, 39P, 56, 57P, 58, 59, 30, 61, 62, 63P, 64P, 65P, 84P
9.Taluka	Kalyan
10.Village	Umbarde
11.Area of the project	Kalyan Dombivali Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Plan will be send to Planning authority KDMC as per MRTP act 1966 Clause 58
	Approved Built-up Area: 0.0
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	1,32,286.0 m2
16.Deductions	Not applicable
17.Net Plot area	72,000.0 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 0.0
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	35,563.0 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49.39 %
21.Estimated cost of the project	160000000

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)	9.0 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	Compost	Not applicable	18 % of toal waste quantity	18 % of toal waste quantity
2	RDF	Not applicable	20 % of toal waste quantity	20 % of toal waste quantity

32.Total Water Requirement

Dry season:	**Source of water**	KDMC/Tanker
	Fresh water (CMD):	6.0 m3/day
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	10.0 m3/day
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	73.9 m3/day
	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**	KDMC/Tanker
	Fresh water (CMD):	6.0 m3/day
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	63.9 m3/day
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	10.0 m3/day
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3.90 m
	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 :	2 tanks of 50000 liters

35.Storm water drainage	**Natural water drainage pattern:**	As per gravity
	Quantity of storm water:	0.930 Cum/Sec
	Size of SWD:	Not Applicable

Sewage and Waste water	**Sewage generation in KLD:**	4.0 m3/day
	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:**	10 Kg/day from laobour activity.
	Disposal of the construction waste debris:	Will be Utilized in low-land leveling & base preparation of internal roads. Some quantity of Excavation soil will be use for backfilling and remaining will be hand over to authorize vendor.
Waste generation in the operation Phase:	**Dry waste:**	10 Kg/day
	Wet waste:	5 Kg/day
	Hazardous waste:	Spent oil or oil grease for DG sets, paints etc.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	Dry waste will be disposed off at site itself.
	Wet waste:	Wet waste will be disposed off at site itself.
	Hazardous waste:	Handed over to authorized Vendor/Recycler
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	On site disposal Facility
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable
	O & M cost:	Not Applicable

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	5.8	7.2	5.5 - 9.0
2	Dissolved solids	mg/l	3500	2000	2100
3	COD	mg/l	1700 mg/l	-	-
Amount of effluent generation (CMD):		15 m3/Day			

Capacity of the ETP:	20 m3/Day
Amount of treated effluent recycled :	100 % recycle
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	It is physiochemical treatment with extended aeration and biological treatment with pressure sand filter and activated carbon filter as tertiary treatment .
Disposal of the ETP sludge	Captive landfill

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/spent oil	5.1	Liters	Not applicable	15 liters	15 liters	Will be handed over 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	DG set Stack	High speed diesel	1	10 m	0.3	125°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	High speed diesel	Not applicable	-	Will be required only in case of power failure
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

43.Green Belt Development

Total RG area :	6,600.0 m2
No of trees to be cut :	Not applicable
Number of trees to be planted :	180
List of proposed native trees :	Cassia Fistula, Neolamarckia Cadamba, Holoptelea Integrifolia, Holoptelea Integrifolia, Trema Orientalis, Oroxylum Indicum, Azadirachta Indica, Schleichera Oleosa, Xylia Xylocarpa, Bombax Ceiba, Terminalia Elliptica.
Timeline for completion of plantation :	With compleation of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia Fistula	Bahava	15	ornamental plant in tropical and subtropical areas.It will grow well in dry climates. It is relatively drought-tolerant and slightly salttolerant. It will tolerate light brief frost too

2	Neolamarckia Cadamba	Kadamba	15	The fruit and inflorescences are reportedly edible by humans. The fresh leaves are fed to cattle.
3	Butea Monosperma	Palash	15	It is used for timber, resin, fodder, medicine, and dye. The wood is dirty white and soft and, being durable under water, is used for well-curbs and water scoops.
4	Holoptelea Integrifolia	Vavla	10	Bark and leaves are used for treating oedema, diabetes, leprosy and other skin diseases, intestinal disorders, piles and sprcue
5	Trema Orientalis	Ghol	15	The bark can be used for making string or rope, and used as waterproofing fishing-lines. In India and Tanzania, the wood is used to make charcoal.
6	Oroxylum Indicum	Tetu	20	The tree is often grown as an ornamental for its strange appearance. Materials used include the wood, tannins and dyestuffs.
7	Azadirachta Indica	Neem	10	Neem oil is used for preparing cosmetics such as soap, shampoo, balms, and creams as well as toothpaste
8	Schleichera Oleosa	Kusum	20	The tree is host to Kusumi Lac, which is native to India. Its seeds are the source of Kusum oil.
9	Xylia Xylocarpa	Jamba	12	The seeds of this tree are edible.This tree is considered a medicinal plant in India
10	Bombax Ceiba	Sawar	28	Splikes on the stem can be ground & applied to face for treatment against acne.
11	Terminalia Elliptica	Ain	20	Wood is used for furniture, cabinet work etc.
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 :**	M.S.E.D.C.L.
	During Construction Phase: (Demand Load)	15 KVA
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	-
	During Operation phase (Demand load):	250 KVA
	Transformer:	-
	DG set as Power back-up during operation phase:	125 KVA
	Fuel used:	High Speed 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
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	Water for Dust Suppression	Dust control	1.0
2	Site Sanitation, Safety & Disinfection	Workers Health	2.0
3	Environmental Monitoring	Air, Water, Soil, Noise sampling & testing	4.0
4	Occupational Health	Health Check up	3.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Lechate Treatment Plant	Waste water treatment	15.0	4.0
2	Odour Control	Odour supression	5.0	-
3	Landscape	Tree plantation & gardening	15.0	2.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	No. of the Junction: 1 No.
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):	-
	CRZ/ RRZ clearance obtain, if any:	Not Applicable

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Nil in 10 Km Area.
	Category as per schedule of EIA Notification sheet	7 (i) Common Municipal Solid Waste Management Facility (CMSWMF)
	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	27-02-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP proposes Lechate Treatment Plant ,development of green belt, odor control measures etc. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits.
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP proposes Lechate Treatment Plant.
Drainage pattern of the project	Not Applicable
Ground water parameters	As per data submitted by PP, ground water parameters are within the prescribed limits at project site.
Solid Waste Management	The project itself is of Common Municipal Solid Waste treatment facility.
Air Quality & Noise Level issues	As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	The electrical demand for proposed project is375KW, which will be supplied by MSEDCL. PP also proposes to have 250 KW and 125 KVA DG set with HSD as a fuel.
Traffic circulation system and risk assessment	PP provided adequate roads for vehicular movement.
Landscape Plan	PP proposes to develop sufficient green belt.
Disaster management system and risk assessment	PP proposes adequate steps to handle an emergency.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP prepared EMP cost of Rs.10.0 Lakh during construction phase and 35 Lakh as capital cost and Rs,6.0 Lakh as O & M cost to maintain environmental parameters.
Any other issues related to environmental sustainability	PP to take immediate steps in time bound manner for installation of STP's so as to ensure 100% treatment of domestic waste water generated in the jurisdiction of municipal area

Brief information of the project by SEAC

PP submitted application for the grant of TOR under category 7(i)B1 as per EIA Notification, 2006 to the SEAC-1 for the development of Solid Waste Management Facility at Umbarde to handle 350MT/Day of solid waste. There is a DP reservation for 10.2 Ha area.

SEAC-1 considered the proposal in their 124th meeting held on 30th and 31st March, 2016 wherein ToR was approved and a site visit was proposed on 11.04.2016. Committee conducted the site visit on 11.04.2016.

The site visit reprot of the sub committee is reproduced below;

The SEAC-I sub-committee consisting of Shri. T.C. Benjamin, Chairman and three members viz. Shri. D. A. Hiremath, Shri. B.H.Sehgal and Dr. R. Dod visited the proposed two sites on 11.4.2016 in presence of Shri. E. Ravindren, Municipal Commissioner KDMC, Shri. G. Narangul, Executive Engineer KDMC and consultant ABC Techno labs.

1. Village Umbarde (Proposed integrated SWM facility)

Land use classification: reserved land for MSW Treatment facility

Plant capacity: 350 TPD

Land requirement: 102100 sq. m

Project cost: Rs. 17.46 cr.

: Rs. 250 cr. For waste to energy facility (incineration plant)

Location: google sheet

The observations of the sub-committee:

1. The said site is a vacant piece of land about 200m from the village boundary as per topo sheets.
2. Buffer zone details are required for such facility.
3. As the site is close to the RIVER hence details of High Flood Level (HFL) for 50/100 year flood be considered and marked.
4. Specific prevention measures are to be taken to arrest any leachate from the site entering into the river during fresh floods.
5. Ambient Air Quality Study as per the latest Terms of reference. However, the increments shall consider the moment of the vehicles and the segregation of the solid waste.
6. Odour control is must as the site is very close to the city and the surrounding villages.
7. Ground water sampling required as per model ToR prescribed by MoEF, at least for 8 places.
8. The last leg of the access roads as well as the internal roads for the proposed dumping grounds should be black topped to avoid dust generation.
9. The sub-committee strongly felt in both cases that unless effective and robust flood control structures are constructed along the river bank, the dumping grounds will be a threat to the environmental sanctity of the river.

In 140th meeting of SEAC, after detailed deliberations and discussions with the PP and their accrediated consultant was of the view that, EIA Notification ,2006 requires Public Consultation for the projects falling under category A and B1. The propsoed project falls under category 7(i)B1 which requires Public Consultation as per para 7 III Stage (3) of the EIA Notification, 2006.

Therefore, SEAC-I decided to defer the proposal for Public Consultation as per EIA Notification,2006.

PP submitted EIA/EMP with Public Consultation report which was considered for the appraisal in 148th meeting of SEAC.

After discussion , It was observed that, PP has submitted compliance of few selected points raised during the Public Hearing and needs pointwise compliance and clarification of all the issues raised during Public Consultation. The proposal was deferred.

Now in 150th meeting PP submitted the complince.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to ensure that decomposed Municipal Solid Waste containing higher concentrations of the heavy metals as prescribed by FCO shall not be sold/used as manure/soil conditioner for agricultural purpose.
2) PP to develop green belt in the vicinity of proposed site during monsoon season of the year 2018.
3) PP to submit their plan to utilize the 130 Cr funds received for installation of STP along with strict timelines for its completion to reduce river water pollution.
4) PP to ensure use of CER funds as per OM issued by MoEF&CC dated 01.05.2018
5) PP to ensure implementation of EMP as committed in the EIA report.

FINAL RECOMMENDATION

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

State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 150th (Day 1) **Meeting Date** May 3, 2018

Subject: Environment Clearance for Environment Clearance For Proposed 200 TPD Integrated Waste Management Facility At Barave, Kalyan By KDMC

Is a Violation Case: No

1.Name of Project	Common Municipal Solid Waste Management Facility (CMSWMF) at Village Barave, Tal. Kalyan, Dist. Thane. Maharashtra.
2.Type of institution	Government
3.Name of Project Proponent	Kalyan Dombivali Municipal Corporation
4.Name of Consultant	ABC Techno Labs India Private Limited, A-355, Third Floor, Balaji Bhavan, Plot No. 42A, Sector 11, CBD Belapur, Navi Mumbai - 400614. Phone : +91-22-27580044 /55. E-mail: chaitanyasathe@abctechnolab.com
5.Type of project	Common Municipal Solid Waste Management
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	At sector- 3, Barave
9.Taluka	Kalyan
10.Village	Barave
Correspondence Name:	Executive Engineer SWH (Project) -Kalyan Dombivali Muncipal Corporation
Room Number:	NA
Floor:	NA
Building Name:	Kalyan Dombivali Municipal Corporation
Road/Street Name:	Kalyan
Locality:	NA
City:	Kalyan, Thane-421301
11.Area of the project	Kalyan Dombivali Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: Planning authority KDMC as per MRTP act 1966
	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.)	33918.00 m2
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	100000000

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)	9.0 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	compost	Not applicable	18 % of total waste quantity	18 % of total waste quantity
2	RDF	Not applicable	20 % of toal waste quantity	20 % of toal waste quantity

32.Total Water Requirement

Dry season:	**Source of water**	KDMC /tanker
	Fresh water (CMD):	6
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	10
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	24
	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**	KDMC /tanker
	Fresh water (CMD):	6
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	14
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	10
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	6	6	Not applicable	Not applicable	Not applicable	-	4	4
Industrial Process	0	18	18	Not applicable	Not applicable	Not applicable	0	15	15

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3.90 m
	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:**	As per Gravity
	Quantity of storm water:	0.930 Cum/Sec
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	4 m3/day
	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:**	insignificant quantity
	Disposal of the construction waste debris:	Will be Utilized in low-land leveling & base preparation of internal roads. Some quantity of Excavation soil will be use for backfilling and remaining will be hand over to authorize vendor.
Waste generation in the operation Phase:	**Dry waste:**	5 kg/day
	Wet waste:	5 kg/day
	Hazardous waste:	Spent oil or oil grease for DG sets, paints etc.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Dry waste will be disposed off at site itself.
	Wet waste:	Wet waste will be disposed off at site itself
	Hazardous waste:	Handed over to authorized Vendor/Recycler
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	On site disposal Facility
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable
	O & M cost:	Not Applicable

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	6-8	7.2	-
2	Dissolved solids	mg/l	2000	2000	-
3	COD	mg/l	1700	< 100	-
4	BOD	mg/l	800	< 30	-

Amount of effluent generation (CMD):	15 m3/Day
Capacity of the ETP:	20 m3/Day
Amount of treated effluent recycled :	100 % recycle
Amount of water send to the CETP:	Not Applicable
Membership of CETP (if require):	Not Applicable
Note on ETP technology to be used	It is physiochemical treatment with extended aeration and biological treatment with pressure sand filter and activated carbon filter as tertiary treatment .
Disposal of the ETP sludge	captive landfill

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/spent oil	5.1	Liters	Not applicable	15 Liters	15 Liters	Will be handed over 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	DG set Stack	High speed diesel	1	10 m	0.3	125°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total

1	High speed diesel	Not applicable	-	Will be required only in case of power failure
41.Source of Fuel		local market		
42.Mode of Transportation of fuel to site		Not applicable		

43.Green Belt Development	**Total RG area :**	Not applicable
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	180 approximately
	List of proposed native trees :	Cassia Fistula,Neolamarckia cadamba, Butea Monosperma,Holoptelea Integrifolia, Trema Orientalis,Oroxylum Indicum,Azadirachta Indica,Terminalia Elliptica,Bombax Ceiba,Xylia Xylocarpa,Schleichera Oleosa
	Timeline for completion of plantation :	with completion of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia Fistula	Bahava	15	ornamental plant in tropical and subtropical areas.It will grow well in dry climates. It is relatively drought-tolerant and slightly salttolerant. It will tolerate light brief frost too
2	Butea Monosperma	Palash	15	It is used for timber, resin, fodder, medicine, and dye. The wood is dirty white and soft and, being durable under water, is used for well-curbs and water scoops.
3	Trema Orientalis	Ghol	15	The bark can be used for making string or rope, and used as waterproofing fishing-lines. In India and Tanzania, the wood is used to make charcoal.
4	Oroxylum Indicum	tetu	20	The tree is often grown as an ornamental for its strange appearance. Materials used include the wood, tannins and dyestuffs.
5	Azadirachta Indica	Neem	10	Neem oil is used for preparing cosmetics such as soap, shampoo, balms, and creams as well as toothpaste
6	Terminalia Elliptica	Ain	20	Wood is used for furniture, cabinet work etc.
7	Bombax Ceiba,	Sawar	28	Splikes on the stem can be ground & applied to face for treatment against acne.
8	Xylia Xylocarpa	Jamba	12	The seeds of this tree are edible.This tree is considered a medicinal plant in India

9	Schleichera Oleosa	Kusum	20	The tree is host to Kusumi Lac, which is native to India. Its seeds are the source of Kusum oil.
10	Neolamarckia cadamba	Kadamba	15	The fruit and inflorescences are reportedly edible by humans. The fresh leaves are fed to cattle.
11	Holoptelea Integrifolia	Vavla	10	Bark and leaves are used for treating oedema, diabetes, leprosy and other skin diseases, intestinal disorders, piles and sprcue
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 :**	M.S.E.D.C.L.
	During Construction Phase: (Demand Load)	125 KVA
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	-
	During Operation phase (Demand load):	250 KVA
	Transformer:	-
	DG set as Power back-up during operation phase:	125 KVA
	Fuel used:	High Speed 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
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	Water for Dust Suppression	Dust control	1.0
2	Site Sanitation, Safety & Disinfection	Workers Health	2.0
3	Environmental Monitoring	Air, Water, Soil, Noise sampling & testing	4.0
4	Occupational Health	Health Check up	3.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Lechate Treatment Plant	Waste water treatment	15.0	4.0
2	Odour Control	Odour supression	5.0	-
3	Landscape	Tree plantation & gardening	15.0	2.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	No. of the Junction: 1 No

Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Not applicable
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Not applicable
	Width of all Internal roads (m):	Not applicable
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	There is no protective area within 10 km
	Category as per schedule of EIA Notification sheet	7 (i) Common Municipal Solid Waste Management Facility (CMSWMF)
	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	29-02-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP proposes Lechate Treatment Plant ,development of green belt, odor control measures etc. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits on site.
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP proposes Lechate Treatment Plant.
Drainage pattern of the project	Not Applicable

Ground water parameters	As per data submitted by PP, ground water parameters are within the prescribed limits at project site.
Solid Waste Management	The project itself is of Common Municipal Solid Waste treatment facility.
Air Quality & Noise Level issues	As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	The electrical demand for proposed project is375KW, which will be supplied by MSEDCL. PP also proposes to have 250 KW and 125 KVA DG set with HSD as a fuel.
Traffic circulation system and risk assessment	PP provided adequate roads for vehicular movement.
Landscape Plan	PP proposes to develop sufficient green belt.
Disaster management system and risk assessment	PP proposes adequate steps to handle an emergency.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP prepared EMP cost of Rs.10.00 Lakh during construction phase and 35.00 Lakh as capital cost and Rs,6.00 Lakh as O & M cost to maintain environmental parameters.
Any other issues related to environmental sustainability	PP to take immediate steps in time bound manner for installation of STP's so as to ensure 100% treatment of domestic waste water generated in the jurisdiction of municipal area

Brief information of the project by SEAC

PP obtained ToR in the 126th meeting of SEAC -I held on 29th and 30th April,2016.

PP submitted the EIA/EMP with Public Consultatiomn report for the appraisal.

In 148th meeting of SEAC, it is observed that, PP has submitted compliance of few selected points raised during the Public Hearing and needs pointwise compliance and clarification of all the issues raised during Public Consultation. The proposal was deferred.

Now PP submitted the compliance of above points.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to ensure that decomposed Municipal Solid Waste containing higher concentrations of the heavy metals as prescribed by FCO shall not be sold/used as manure/soil conditioner for agricultural purpose
2) PP to develop green belt in the vicinity of proposed site during monsoon season of the year 2018
3) PP to take immediate steps in time bound manner for installation of STP's so as to ensure 100% treatment of domestic waste water generated in the jurisdiction of municipal area
4) PP to ensure use of CER funds as per OM issued by MoEF&CC dated 01.05.2018.
5) PP to ensure implementation of EMP as committed in the EIA report.

FINAL RECOMMENDATION

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

State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 150th (Day 1) **Meeting Date** May 3, 2018

Subject: Environment Clearance for Application for obtaining Environment Clearance for Enhancement in Production Capacity from 2500 TPA to 7500 TPA of Dhobitola Iron Ore Mine, Area 2.61 Ha; Village- Dhobitola, Tehsil- Amgaon, Dist- Gondia, Maharashtra,

Is a Violation Case: No

1.Name of Project	Dhobitola Iron Ore Mine
2.Type of institution	Private
3.Name of Project Proponent	M/s Jayaswal NECO Industries Limited
4.Name of Consultant	Srushti Seva Private Limited, Nagpur
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance
8.Location of the project	Survey Nos. 281, 283, 284
9.Taluka	Amgaon
10.Village	Dhobitola
Correspondence Name:	M/s Jayaswal NECO Industries Limited
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	Hingna Road,
Locality:	F-8, MIDC Industrial Area,
City:	Nagpur - 400016
11.Area of the project	Other area
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	Not applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	10116000

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
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	Iron Ore	208.33	416.67	625

32.Total Water Requirement

Dry season:	**Source of water**	Borewell
	Fresh water (CMD):	6
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	6
	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**	Borewell
	Fresh water (CMD):	2
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	2
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	2	Nil	2	2	Nil	2	Nil	Nil	Nil
Gardening	4	Nil	4	4	Nil	4	Nil	Nil	Nil
Fresh water requirement	6	Nil	6	6	Nil	6	Nil	Nil	Nil

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	8 to 11 during pre-monsoon season
	Size and no of RWH tank(s) and Quantity:	None
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	2 Recharge trenches, and 4 Recharge Pits
	Size of recharge pits :	Recharge trenche size 3 m (l) x 1.0 m (w) x 1.5 m (d) each, Recharge Pit size 1 m (l) x 1.0 m (w) x 1.5 m (d) each
	Budgetary allocation (Capital cost) :	100000
	Budgetary allocation (O & M cost) :	10000
	Details of UGT tanks if any :	Not Applicable

35.Storm water drainage	**Natural water drainage pattern:**	Not Applicable. However, the storm water due to rainfall will be channelized to the natural water courses like gullies and depression through appropriate drainage system with check bunds.
	Quantity of storm water:	Rainfall runoff
	Size of SWD:	Not Applicable
Sewage and Waste water	**Sewage generation in KLD:**	Nil
	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:**	6855 m3 during conceptual period.
	Wet waste:	Nil
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Nil
Mode of Disposal of waste:	**Dry waste:**	Dry waste partly utilized for haul road, village road and rest will be stacked on OB dump
	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
Area requirement:	**Location(s):**	In non-mineralized zone.
	Area for the storage of waste & other material:	840 sqm
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable
	O & M cost:	Not Applicable
37.Effluent Charecterestics		

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Amount of effluent generation (CMD):		Nil			
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	None	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	Nil	Nil	Nil	Nil
41.Source of Fuel		Not Applicable		
42.Mode of Transportation of fuel to site		Not Applicable		

43.Green Belt Development	**Total RG area :**	Not Applicable
	No of trees to be cut :	Nil
	Number of trees to be planted :	1750
	List of proposed native trees :	Azadirachta indica, Terminalia elliptica, Butea monosperma, Madhuca indica, Ziziphus mauritiana
	Timeline for completion of plantation :	Upto the end of mine life

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Kadulimb	350	Created to intercept dust, gaseous pollutants and noise
2	Terminalia elliptica	Ain	350	Created to intercept dust, gaseous pollutants and noise

3	Butea monosperma	Palas	350	Created to intercept dust, gaseous pollutants and noise
4	Madhuca indica	Moha	350	Created to intercept dust, gaseous pollutants, noise and fruits
5	Ziziphus mauritiana	Bor	350	Created to intercept dust, gaseous pollutants, noise and fruits
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 Power Distribution Company Limited
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	Commercial connection
	During Operation phase (Demand load):	Commercial connection
	Transformer:	No
	DG set as Power back-up during operation phase:	No
	Fuel used:	Nil
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

It is proposed to install 5 Solar Light poles within mining lease area to saving energy by non-conventional method.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar light	-

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Pollution Control	Dust Suppression	Dust Suppression
Air Pollution Control	-	Air Pollution Monitoring (To be done by external agency)

Water Pollution Control	-	Garland drain, Boulder Check plug, Soak Pits, Mine water sedimentation pond

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	50000
	O & M cost:	5000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Plantation /Reclamation	Biological reclamation, Plantation, Reclamation (Dump)	200000	50000
2	Occupational Health	Fire Fighting Equipments (portable), Personnel protection equipments (goggles , gloves, helmets, dust mask, safety boots)	100000	50000

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
None	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

Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Not Applicable
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	Not Applicable
	Court cases pending if any	No
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

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

The proposal was earleir considered in the 148th meeting held on 26.02.2018 where in the proposal was deffred as PP was not filled the required information in the consolidated statement.

The proposal is for expansion of iron ore mining from 2500 TPA to 7500 TPA on 2.61 Ha. area situated on survey number 281,283,284, village Dhobitala, Tehsil Amgaon, District Gondia.

PP to carry out Public Consultation as per requirements of EIA Notification, 2006 and submit report.

DECISION OF SEAC

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

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

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

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

Specific Conditions by SEAC:

1) PP to submit ownership documents of the proposed lease area.
2) PP to submit approved mining plan and mine closure plan along with drawings stamped and signed by the competent Authority.
3) Soil and drainage survey report to be included in the EIA report. PP also to include Catchment Area Treatment, Soil Conservation measures, Muck Management, Health Management in the EIA Report.
4) PP to submit their plan for mitigation of dust pollution as the nearest habitation is at a distance of only 50 meters from proposed site.
5) PP not to use any mechanical means for mining activity only manual mining to be carried put.
6) PP to transport ore only in closed vehicles to avoid dust pollution.
7) PP to include over burden storage, handling and disposal plan in the EIA report.
8) PP to include chapter on the risk assessment and safety precautions proposed for the workers working in the proposed mine.
9) PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018

FINAL RECOMMENDATION

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

State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 150th (Day 1) **Meeting Date** May 3, 2018

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

Is a Violation Case: No

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

22.Number of buildings & its configuration

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

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

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MIDC Chincholi
	Fresh water (CMD):	27
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	19.8
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	27
	Fire fighting - Underground water tank(CMD):	00
	Fire fighting - Overhead water tank(CMD):	6875
	Excess treated water	00
Wet season:	**Source of water**	MIDC Chincholi
	Fresh water (CMD):	27
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	27
	Fire fighting - Underground water tank(CMD):	00
	Fire fighting - Overhead water tank(CMD):	6875
	Excess treated water	19.8
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	10	00	10	2	00	2	8	00	8
Industrial Process	17	00	17	3	00	3	14	00	14

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	The project site is flat land and its slope is towards south-west
	Quantity of storm water:	14416 m3/year
	Size of SWD:	Pucca open drain of approx 825 m length
Sewage and Waste water	**Sewage generation in KLD:**	8
	STP technology:	Aerobic treatement
	Capacity of STP (CMD):	1 nos of 15 KLD capacity
	Location & area of the STP:	Modular STP is located near canteen building
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	INR 30000 /- per year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Approx 6 kg/day of municipal solid waste would be generated during construction phase would be disposed at disposal site of Solapur municipality
	Disposal of the construction waste debris:	Construction debris will be used for filling work
Waste generation in the operation Phase:	**Dry waste:**	7.2 kg
	Wet waste:	4.8 kg
	Hazardous waste:	Paint sludge- 0.3 kg/day, Tank bottom sludge- 500 Litres (once in 5 years), ETP Sludge- 180 kg/year
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	500 gm/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Disposed off at the disposal site of Solapur municipality
	Wet waste:	Disposed off at the disposal site of Solapur municipality
	Hazardous waste:	Disposed at Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) at Ranjangaon, Pune
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Composting and manure usage for landscaping
	Others if any:	NA
Area requirement:	**Location(s):**	Within the plant premises
	Area for the storage of waste & other material:	12 m2
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	5.5-7.5	7-8	5.5-9
2	Oil and Grease	mg/l	20	<10	10
3	BOD (3 days at 27oC)	mg/l	500	<30	30
4	TSS	mg/l	100	20-30	100

Amount of effluent generation (CMD):	14
Capacity of the ETP:	15
Amount of treated effluent recycled :	12.6
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	The treatement process involved primary and secondary treatement. Treated water is reused .
Disposal of the ETP sludge	Disposed at Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) at Ranjangaon, Pune

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Paint sludge from painting booth	21.1, 21.2	kg/day	0.3	NA	0.3	Disposed at Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) at Ranjangaon, Pune
2	Sludge from cleaning of petroleum product storage tanks	2.2	liters (once in 5 years)	500	28	528	Disposed at Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) at Ranjangaon, Pune

3	Sludge from ETP	35.3	kg/year	180	00	180	Disposed at Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) at Ranjangaon, Pune

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	65 KVA DG set	HSD	1	1.61	0.1	550 oK
2	250 KVA DG set	HSD	2	3.16	0.1	550 oK
3	500 KVA DG set	HSD	3	4.77	0.1	500 oK

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	High Speed Diesel (as alternative sources of power supply during power failure)	150 l/hr	00	150 l/hr
41.Source of Fuel		BPCL COCO (company owned company operated) petrol pump		
42.Mode of Transportation of fuel to site		Fuel tanker by road		

43.Green Belt Development	**Total RG area :**	28.36 acres (approx. 59%) of the project site is covered by green belt.
	No of trees to be cut :	100 nos
	Number of trees to be planted :	NA
	List of proposed native trees :	NA
	Timeline for completion of plantation :	NA

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

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

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Board
	During Construction Phase: (Demand Load)	Two DG sets (of 125 KVA each)
	DG set as Power back-up during construction phase	Two DG sets (of 125 KVA each)
	During Operation phase (Connected load):	721 KW
	During Operation phase (Demand load):	380 KVA
	Transformer:	750 KVA
	DG set as Power back-up during operation phase:	DG sets of 500 KVA, 250 KVA and 65 KVA capacity
	Fuel used:	High Speed Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

10 no Solar Panels installed in 2016. Detail of the solar panel is provided below;
o Solar Panel Module- 12 V/150 W
o Battery- 12 V/150 AH
o LED/Induction Luminaries- 12 V/80

10 no Solar Panels installed in 2016. Detail of the solar panel is provided below.
o Solar Panel Module- 12 V/150 W
o Battery- 12 V/100 AH
o LED/Induction Luminaries- 12 V/85 W

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Periodical ambient air quality monitoring	4 locations x 2 times in a week x 2 weeks per season	00	0.2
2	Periodical stack monitoring	3 stacks x once per season x 2 seasons	00	0.18
3	Periodic monitoring of ambient noise quality	4 locations x 2 seasons	00	0.12
4	Monitoring of ground water	3 locations x 2 seasons	00	0.36
5	Monitoring of soil quality	3 locations x 2 seasons	00	0.36
6	Monitoring of surface water quality	3 locations x 2 seasons	00	0.36
7	Wildlife Management Plan	Awareness Generation Meetings at Villages, Capacity Building of Forest Department Staffs	00	1

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
LPG Gas	Bullet- 4 nos x 125 MT ; Sphere- 2 nos x 650 MT	Within the plant	1800 MT	1800 MT	10000 MT (it's throughput, not consumption)	Manglore LPG Plant of BPCL	Bulk Tank Lorry

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	4.41 acres
	Area per car:	Bulk Tank Lorry -32 m2, Truck (Box Lorry) – 17 m2
	Area per car:	Bulk Tank Lorry -32 m2, Truck (Box Lorry) – 17 m2
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	Main internal road – 8 m, Other internal road – 4 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	2.4 km
	Category as per schedule of EIA Notification sheet	Industrial Project categorised as 6(b), 'B' as per EIA Notification 2006 and its further amendments
	Court cases pending if any	NA
	Other Relevant Informations	None

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	07-06-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 6(b)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in the 129th meeting of SEAC-1 held on 16th to 18th June,2016wherein ToR was approved with one of the condition that the distance from the boundary of the Great Indian Bustard Bird Sanctury may be indicated in the EIA report.

DECISION OF SEAC

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

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

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

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

SEAC Decision in 150th meeting:

PP uploaded following information on the web site on 09.03.2018 regarding the current status of the project;

"The project site is located within 5 km of the GIB sanctuary, therefore would be categorized as category A project. Considering this fact, the project has approached to MoEFCC for the appraisal. MoEFCC has considered the proposal and EAC has apprised it on 22nd January, 2018. EC for the project is awaited from MoEFCC."

In view of above SEAC decided to delist the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 150th (Day 1) **Meeting Date** May 3, 2018

Subject: Environment Clearance for Proposed 26 MW bagasse based Co-generation unit

Is a Violation Case: No

1.Name of Project	M/s Sahakar Maharshi Shivajirao Narayanrao Nagawade SSK Ltd, Plot No 51/1, Limpangaon Village, Tal- Shrigonda, Dist- Ahmednagar, Maharashtra
2.Type of institution	TOR
3.Name of Project Proponent	Mr. R.S.Naik
4.Name of Consultant	M/s SGM Corporate Consultants Pvt. Ltd.
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	It is a Proposed New Project of 26 MW bagasse based Co-generation Plant with 180 Operational days
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Gat. No. 51/1
9.Taluka	Shrigonda
10.Village	Limpangaon
Correspondence Name:	Mr. R.S.Naik
Room Number:	Gat No. 51/1
Floor:	Not Applicable
Building Name:	Not Applicable
Road/Street Name:	Not Applicable
Locality:	Village- Limpangaon, Tal- Shrigonda, District- Ahmednagar
City:	Shrigonda
11.Area of the project	Grampanchayat Limpangaon
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable **IOD/IOA/Concession/Plan Approval Number:** Not Applicable **Approved Built-up Area:** 5545
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.)	333960
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable **b) Non FSI area (sq. m.):** Not applicable **c) Total BUA area (sq. m.):** 5545
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** **Approved Non FSI area (sq. m.):** **Date of Approval:**
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	1304350000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Existing Sugar & Distillery Unit is present at site. Adequate space is available for proposed Co-gen Unit.
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Co-generation power plant	0	26 MW	26 MW
2	Sugar	11550 MT/M	0	11550 MT/M
3	Rectified spirit	900 KL/M	0	900 KL/M
4	Fusel Oil	2 KL/M	0	2 KL/M
5	ENA	600 KL/M	0	600 KL/M

32.Total Water Requirement

Dry season:	**Source of water**	Ghod canal
	Fresh water (CMD):	938.4
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	5111.6
	Fire fighting - Underground water tank(CMD):	Prposed underground water tank of 1000 m3
	Fire fighting - Overhead water tank(CMD):	Proposed overhead water tank of 100 m3
	Excess treated water	Recycled water for industrial use= 4120.2 m3
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):	Prposed underground water tank of 1000 m3
	Fire fighting - Overhead water tank(CMD):	Proposed overhead water tank of 100 m3
	Excess treated water	Recycled water for industrial use= 4120.2 m3
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	6	6	0	1	1	0	5	5
Industrial Process	0	5105.6	5105.6	0	Loss= 938.4 m3, Recycle = 4120.2 m3	Loss= 938.4 m3, Recycle = 4120.2 m3	0	53	53

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Around 50 m
	Size and no of RWH tank(s) and Quantity:	Will be detailed & given in EIA report
	Location of the RWH tank(s):	Will be detailed & given in EIA report
	Quantity of recharge pits:	Will be detailed & given in EIA report
	Size of recharge pits :	Will be detailed & given in EIA report
	Budgetary allocation (Capital cost) :	20 Lacs
	Budgetary allocation (O & M cost) :	2 Lac
	Details of UGT tanks if any :	Existing water reservoir capacity = 88500 m3
35.Storm water drainage	**Natural water drainage pattern:**	Will be detailed in EIA report
	Quantity of storm water:	Will be detailed in EIA report on the basis of on site meteorological data & maximum rainfall data
	Size of SWD:	Will be detailed in EIA report
Sewage and Waste water	**Sewage generation in KLD:**	5
	STP technology:	Septic tank & Soak Pit
	Capacity of STP (CMD):	NA
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	15 Lac
	Budgetary allocation (O & M cost):	1.5 Lac
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste debris
	Disposal of the construction waste debris:	To Authorized dealers
Waste generation in the operation Phase:	**Dry waste:**	Boiler Ash= 19.06 MT/D
	Wet waste:	Canteen waste
	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:**	Boiler Ash- Biocomposting
	Wet waste:	canteen waste- As manure in factory green belt area
	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):**	Not applicable
	Area for the storage of waste & other material:	0.5 Acre for Storage of Boiler Ash
	Area for machinery:	BUA= 5545 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Capital cost for plant & Machinery = 1076748000
	O & M cost:	-

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	6-6.5	5.5-8.5	5.5-8.5
2	SS	mg/lit	250-300	<100	<100
3	BOD	mg/lit	650-750	<100	<100
4	COD	mg/lit	1200-1400	<250	<250
5	TDS	mg/lit	800-950	<2100	<2100

Amount of effluent generation (CMD):	53
Capacity of the ETP:	Existing sugar ETP capacity of 1000 CMD will accomodate the effluent from proposed co-gen unit also.
Amount of treated effluent recycled :	36 M3 /day
Amount of water send to the CETP:	Nil
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	ETP technofeasibility report is attached
Disposal of the ETP sludge	Solid waste generated from Existing sugar ETP (Primary & secondary sludge) is being dried on separated sludge drying beds. Dried sludge is used as manure in company's farm land for cultivation.

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	Proposed cogeneration unit boiler of 140 TPH	Bagasse requirement for 180 operational days = 228786.75 MT	1	70 m	4	150 Degree.C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse requirement for 180 operational days	0	228786.75 MT	228786.75 MT
41.Source of Fuel		Bagasse From Existing Sugar Unit		
42.Mode of Transportation of fuel to site		Bagasse From Existing Sugar Unit - Inline conveyor system. Through RBC (Return bagasse carrier)		

43.Green Belt Development	**Total RG area :**	110206.8 sq.m.
	No of trees to be cut :	0
	Number of trees to be planted :	Industry have already planted 2260 No. of trees. In future industry will plant about 19781 trees.
	List of proposed native trees :	Refer Point v) below
	Timeline for completion of plantation :	Green belt development plan is attached

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	Polyalthia longifolia	Ashoka	3502	Small evergreen tree. It is tolerant to air pollution & is effective in alleviating noise pollution.
2	Aegle marmelos	Bel	1679	Native, deciduous shrub, cleans atmosphere by absorbing harmful gases.
3	Eucalyptus	Nilgiri	789	Evergreen, sturdy, fast growing graceful tree. It is particularly good in sequestering carbon.
4	Cocos nucifera	Nariyal	715	Native, coconut palms are medium sized, solitary herbaceous plant.
5	Mangifera indica	Mango	987	Large evergreen tree with dense dome shaped crown.
6	Azadirachta indica	Neem	1056	Evergreen deciduous plant, helps to control soil erosion, effective for odour management.
7	Ficus racemosa	Umbar	953	Evergreen deciduous plant
8	Samanea saman	Rain Tree	878	Rain tree is an attractive, large spreading deciduous tree with low, dense, dome shaped crown. The dome-shaped, low crown provides a very strong shade even at low sun positions. The leaves fold up during rain, allowing more moisture to reach the crops below.
9	Tamarindus indica	Chinch	980	Tamarind is a long lived and beautiful fruiting tree, growing up to 30 metres tall with a dense, spreading crown. The deep roots make it very resistant to storms and suitable for windbreaks.

10	Casuarina equisetifolia	Suru	798	Evergreen tree with a finely branched, feathery crown, usually growing growing from 6 - 35 metres tall.With high productivity and properties that enhance soil fertility, it shows promise as an agroforestry species for arid and semi-arid areas.
11	Banyan	Wad	983	Has the ability to survive & grow for centuries. Helpful in prevention of soil erosion.
12	Ficus religiosa	Peepal	982	Deciduous, evergreen, used as traditional medicine.
13	Acacia nilotica	Babul	754	Medium sized, thorny, nearly evergreen. Useful fodder source particularly in dry regions.
14	Tabernaemontana divaricata	Tagar	745	Native, Antioxidant, Antitumor, anti-infection, analgesic
15	Delonix regia	Gulmohar	935	Native, flowering plant, ornamental tree.
16	Plumeria	Chafa	746	Small ornamental tree, evergreen shrub.
17	Manilkara zapota	Chiku	528	Grow well in wide range of climatic conditions. Medically useful.
18	Terminalia catappa	Badam	987	Fast growing, deciduous or semi-evergreen tree. Its vast roots binds together both sands & poor soils. It has heavy leaf fall & so is a good provider of mulch for the protection of the soil.
19	Ziziphus mauritiana	Bor	784	Plants have an extensive root system and can be used to aid in the fixation of sand.
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	0

47.Energy

Power requirement:	**Source of power supply :**	Startup with MSEDCL & Susequently through own TG set.
	During Construction Phase: (Demand Load)	500 KW
	DG set as Power back-up during construction phase	Proposed DG sets- 2 x 900 KVA
	During Operation phase (Connected load):	7 MW for Sugar Unit, Distillery Unit, Boiler & Utilities.
	During Operation phase (Demand load):	7 MW for Sugar Unit, Distillery Unit, Boiler & Utilities
	Transformer:	Existing transformer of 500 KVA.
	DG set as Power back-up during operation phase:	Proposed DG sets- 2 x 900 KVA
	Fuel used:	HSD for Proposed DG sets (2 x 900 KVA) - 400 lit/hr
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

-

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Recovery of Energy from condensate, Flue Gases	Will be detailed in EIA report
2	Variable Frequency Drives for fans & motors	Will be detailed in EIA report

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Stack of Proposed co-gen unit boiler of 140 TPH	NA	Electrostatic Precipitator

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Details will be provided in EIA
	O & M cost:	Details will be provided in EIA

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Noise, Water & Soil Pollution control & Occupational health & safety	-	2 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	Electrostatic Precipitator will be provided to the stack	The boiler will be equipped with high efficiency three field Electro Static Precipitator, which will remove the suspended particles and ash particles from the flue gas.	70	02
2	ETP	Existing sugar ETP of 1000 CMD will accomodate the effluent from co-gen unit also	150	10
3	Rainwater Harvesting	-	20	02
4	Occupational Health & Safety	-	15	03
5	Laboratory Equipment, Monitoring & Environmental Audit	-	15	03
6	Green belt development	-	20	04
7	Fire fighting for co-gen unit	-	45	2.5
8	Proposed Boiler Stack of co-gen unit	-	100	-
9	Ash handling system	-	100	03
10	Environmental Monitoring	-	-	02

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

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

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:	Adequate space for parking will be provided
	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):	6 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	Category B, Sr. No. 1 (d)
	Court cases pending if any	Not applicable
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	11-12-2013

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 1(d)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 for installation of 26 MW cogeneration pant based o baggase.

DECISION OF SEAC

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

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

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

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

PP to carry out Public Consultation as per EIA Notification, 2006 and submit point wise compliance of all the issues raised during Public Consultation.

Specific Conditions by SEAC:

1) PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas,33% green belt, rain water harvesting etc.
2) PP to carry out HAZOP and QRA and submit Disaster Management Plan.
3) PP to submit detailed water balance calculations required for Cogeneration plant.
4) PP to submit design details of Effluent Treatment Plant.
5) PP to submit copy of approval for water lifting from the competent Authority and copy of agreement in this regard.
6) PP to submit baggase balance calcualtions.
7) PP to submit details of 100% fly ash utilization plan as per latest fly ash Utilization Notification of GOI along with firm agreements/ MoU with contracting parties including other usages etc. The plan shall include disposal methodology of bottom ash.
8) PP to submit detailed plan for carrying out rainwater harvesting.
9) PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018

FINAL RECOMMENDATION

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

State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 150th (Day 1) **Meeting Date** May 3, 2018

Subject: Environment Clearance for Gaurala Limestone mine

Is a Violation Case: No

1.Name of Project	Gaurala Limestone mine
2.Type of institution	Semi Government
3.Name of Project Proponent	Maharashtra State Mining Corporation Limited
4.Name of Consultant	Enviro Techno Consult Private Limited
5.Type of project	others (mining project)
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Survey Nos. 157
9.Taluka	Maregaon
10.Village	Gaurala
Correspondence Name:	Khanikarm Bhawan, Plot no. 7, Ajni Square, Wardha Road, Nagpur 440 015
Room Number:	NA
Floor:	NA
Building Name:	Khanikarm Bhawan,
Road/Street Name:	Wardha road
Locality:	Ajni Square
City:	Nagpur
11.Area of the project	Municipal
12.IOD/IOA/Concession/Plan Approval Number	lease deed is executed
	IOD/IOA/Concession/Plan Approval Number: Order no: MMN 2220/8076/IND-9
	Approved Built-up Area: 0.034
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Lease Deed executed
15.Total Plot Area (sq. m.)	Not applicable (3.62 Ha - Lease area)
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 300
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	4500000

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
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	Limestone	0	99,994 tonnes/annum	99,994 tonnes/ annum

32.Total Water Requirement

Dry season:	**Source of water**	tube well
	Fresh water (CMD):	10
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	10
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA

Wet season:	**Source of water**	pit water/ well water
	Fresh water (CMD):	10
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	10
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	1	1	NA	0.8	NA	NA	0.8	0.8
Gardening	3	3	3	NA	NA	NA	NA	NA	NA

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	The mine will not intercect groundwater table as mining activity would be restricted to 14 m and water table has not been intercepted and is beyond 15 m
	Size and no of RWH tank(s) and Quantity:	Existing pits will be used for rain water harvesting.
	Location of the RWH tank(s):	Pit location shown in surface plan and other plans.
	Quantity of recharge pits:	NA since recharge pits are not proposed.
	Size of recharge pits :	Average 1.5 Ha with maximum size of 2.23Ha towards the end of the life of mine
	Budgetary allocation (Capital cost) :	NA (it is part of the mining activity)
	Budgetary allocation (O & M cost) :	NA (it is part of the mining activity)
	Details of UGT tanks if any :	NA

35.Storm water drainage	**Natural water drainage pattern:**	There is no natural drain.
	Quantity of storm water:	As per rain fall pattern calculated run offs will be about 1.5 ha m
	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:**	About 13934.88 tons of waste is likely to be generated from the mines during plan period.
	Disposal of the construction waste debris:	There will be temporary dumps which will be utilised for backfilling.
Waste generation in the operation Phase:	**Dry waste:**	OB @ 3235-3279 cum and rejects @ 3999.76 cum
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	There will be temporary dumps which will be utilised for backfilling.
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Kh No 157
	Area for the storage of waste & other material:	0.90 ha
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA (IT IS PART OF THE MINING COST)
	O & M cost:	NA (IT IS PART OF THE MINING COST)
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	DIESEL	NA	40-50L/DAY	40-50L/DAY
41.Source of Fuel		Local market		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development

Total RG area :	0.5 ha
No of trees to be cut :	NA
Number of trees to be planted :	50/year depending on survival
List of proposed native trees :	The species suggested by Prof. Chaphekar will be preferred .
Timeline for completion of plantation :	PLAN PERIOD

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Delomix regia	Gul Mohar	349	ORNAMENTAL TREE
2	Emblica officinalis	Amla	349	medicinal tree
3	H. rosa sinensis	jasut	349	medicinal tree
4	Lxora arbprea	Nevari	349	medicinal tree
5	Lxora arbprea	Nevari	349	medicinal tree

6	Lxora arbprea	Nevari	349	medicinal tree
7	Lxora arbprea	Nevari	349	medicinal tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Board
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	NA
	During Operation phase (Demand load):	NA
	Transformer:	NA
	DG set as Power back-up during operation phase:	NA
	Fuel used:	DEISEL
	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
Fugitive during material handling	NA	water sprinkling on roads, and during material transfer

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	45,00,000
	O & M cost:	4,50,000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air, water. noise	Air- during material transfer, water - sprinkling, water pollution - not applicable, noise - PPE	5	0.50

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA (traffic in the mines will be as per mining plan design)
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	Na
	Width of all Internal roads (m):	6 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	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-02-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 1(a)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 for lime stone mining of 99994 Tons/Year.

The proposal was earlier considered in 149th meeting wherein PP requested to postpone the hearing.

DECISION OF SEAC

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

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

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

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

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

PP to carry out Public Consultation as per EIA Notification,2006 and submit point wise complinace of all the issues raised during Public Consultation.

Specific Conditions by SEAC:

1) PP to submit ownership records of the proposed mine area.
2) PP to submit approved mining plan and mine closure plan along with drawings stamped and signed by the competent Authority..
3) PP to submit copy of categorization of mines as per IBM standards,
4) PP to submit blasting plan along with permission obtained for blasting from competent Authority.
5) PP to carry out risk assessment with respect to the human safety and impact of mining activity on nearby environment with proposed mitigation measures.
6) PP to submit over burden management plan.
7) PP to include measure proposed for dust pollution control in the EIA report.
8) PP to submit an undertaking for not having any eco sensitive area in the range of 5 KM from proposed project site.
9) PP to analyse fluorides in the ground water samples.

FINAL RECOMMENDATION

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

State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 150th (Day 1) **Meeting Date** May 3, 2018

Subject: Environment Clearance for M/s. Pratap Organics Pvt. Ltd. at Plot No. K-6, Additional Mahad Industrial Area, Taluka Mahad, District Raigad, Maharashtra.

Is a Violation Case: No

1.Name of Project	Manufacturing of Pharma Intermediates
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mohan Shinde - Director
4.Name of Consultant	Green Circle, Inc.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No. K-6, Additional Mahad Industrial Area, Taluka Mahad, District Raigad, Maharashtra.
9.Taluka	Mahad
10.Village	Kalij
Correspondence Name:	Mr. Mohan Shinde
Room Number:	Plot No. C-481/4,5&6,
Floor:	NA
Building Name:	M/s. Pratap Organics Pvt. Ltd.
Road/Street Name:	MIDC land, TTC Industrial area, Thane-Belapur road
Locality:	Pawane Village, MIDC
City:	Navi Mumbai
11.Area of the project	Additional Maharashtra Industrial Development Corporation (MIDC) Mahad
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	40002
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 00
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	135000000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Hydrocarbons and their derivatives	-	50	50
2	Ketones, Aldehydes, Acetals and their derivativesv	-	50	50
3	Amines and their derivatives	-	50	50
4	Phenols, alcohols and their derivatives	-	50	50
5	Acids and their derivatives	-	50	50
6	Heterocycles	-	50	50
7	Various Acids (By-Product)	-	166.666	166.666
8	Aluminum Chloride solution (By- Product)	-	441.66	441.66
9	Ketone Isomers (By-Product)	-	14.166	14.166
10	Distilled Solvent (By-Product)	-	133.33	133.33

11	Sodium Bromide Solution (By- Product)	-	250	250

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	4	4	0	0.8	0.8	0	3.2	3.2
Industrial Process	0	60	60	0	1.2	1.2	0	58.8	58.8
Gardening	0	4	4	0	4	4	0	0	0

Cooling tower & thermopack	0	27	27	0	21.52	21.52	0	5.48	5.48
Fresh water requirement	0	95	95	-	-	-	-	-	-

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5.0 to 6.0 m bgl
	Size and no of RWH tank(s) and Quantity:	1 tank x 300 m3
	Location of the RWH tank(s):	UG
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 6 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.5 Lakhs
	Details of UGT tanks if any :	Water storage: 1 No. x 300 m3 firewater tank and 1 No. x 300 m3 water tank Solvent storage tanks: 8 Nos. x 16 KL Solvents to be stored - Benzene, Methanol, Isopropyl alcohol, Toluene, Methylene dichloride
35.Storm water drainage	**Natural water drainage pattern:**	The industry is located in Mahad MIDC area where all the facilities are available by MIDC. The land is having gentle slope.
	Quantity of storm water:	0.148 m3/sec
	Size of SWD:	2.5 m x 1.5 m
Sewage and Waste water	**Sewage generation in KLD:**	3.2
	STP technology:	Soak pit
	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:**	Construction debris, Waste concrete, metallic waste, plastics, broken bricks etc.
	Disposal of the construction waste debris:	Construction debris, Waste concrete and broken bricks will be utilized in low-land leveling, secondary concrete, below roads. Some quantity of Excavation soil will be use for back-filling and remaining will be hand over to authorized vendor.
Waste generation in the operation Phase:	**Dry waste:**	Empty drums, Carboys, Paper waste, Empty bags etc.
	Wet waste:	Hazardous wet waste like ETP Sludge etc.
	Hazardous waste:	Used oil, Spent catalyst, Distillation residue, Used drums and ETP Sludge, Used Filters/ Filters Cloths and Materials etc.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Sale to authorized vendors/Recyclers
	Wet waste:	Sent to the CHWTSDF site
	Hazardous waste:	Sale to MPCB approved vendors/Sent to CHWTSDF
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Near ETP area
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	4 – 5	5.5 – 9	5.5 – 9
2	COD	mg/L	1000 – 1200	Less Than 250	250 mg/L
3	BOD	mg/L	30 – 40	Less Than 30	30 mg/L
4	NH4+ - N	mg/L	50-100	Less Than 50	50 mg/L
5	Oil & Grease	mg/L	5 – 10	Less Than 10	10 mg/L
6	TDS	mg/L	1500 - 2000	Less Than 2000	2100 mg/L

Amount of effluent generation (CMD):	64.28
Capacity of the ETP:	75 KLD
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	64.28 KLD
Membership of CETP (if require):	Membership of CETP will be obtained after getting environmental Clearance.
Note on ETP technology to be used	Conventional ASP treatment
Disposal of the ETP sludge	Sent to CHWTSDF site for disposal

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Distilled residues	28.1	MTPA	NA	25	25	Will be sold to MPCB approved dealer
2	Used Drums	33.1	Nos./year	NA	2000	2000	Will be sold to MPCB Approved recycler/processor
3	ETP Sludge	35.3	MTPA	NA	25	25	Will be disposed to CHWTSDF
4	Used Filters/ Filters Cloths and Materials	35.1	MTPA	NA	4	4	Will be disposed to CHWTSDF
5	Spent Catalyst	28.2	MTPA	NA	30	30	Will be sold to MPCB Approved dealer
6	Used Oil	5.1	L/year	NA	200	200	Will be sold to MPCB authorized vendor

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler & 2 Nos. x 3 TPH	FO – 420 kg/ Hr	1	35	1.0	220°C
2	Thermic Fluid Heater & 4 Nos. x 10 lakh kCal/hr	FO – 520 kg/hr	2	35	1.0	220°C
3	D G Set & 2 Nos. x 500 KVA	Diesel – 45 L/hr each	3 & 4	Separate stack of 5 m above building height	0.350	100 °C
4	Common gas vent scrubber & 1000 CFM	NA	5	5	0.450	Ambient
5	HCL Gas Absorber & 200 Kg/hr	NA	6	5	0.350	Ambient

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	-	45 L/hr each DG Set of 500 KVA	45 L/hr each DG Set of 500 KVA
2	Furnace Oil	-	940 kg/hr	940 kg/hr
41.Source of Fuel		Local Market		
42.Mode of Transportation of fuel to site		Road Transport		

43.Green Belt Development	**Total RG area :**	13201 Sq. m
	No of trees to be cut :	NA
	Number of trees to be planted :	250
	List of proposed native trees :	Kadamb, Ashok, Bakul, Bahava etc.
	Timeline for completion of plantation :	2 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	Hyophorbe lagenicaulis	Bottle Palm	5	Flowering Plant
2	Saraca asoka	Ashok	40	Shady tree with red-yellow flowers.
3	Mangifera indica	Mango	20	Fruit Tree Evergreen & bird attracting tree
4	Azadirachta indica	Neem	50	Semi-evergreen tree with medicinal value
5	Cassia fistula	Bahava	20	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
6	Mimusops elengi	Bakul	20	Shady tree, small white fragrant flowers
7	Nyctanthes arbor-	Parijatak	10	Small deciduous fast growing tree, beautiful flowers
8	Bauhinia racemosa	Apta	10	Small tree with small white flowers, Butterfly host plant
9	Bombax ceiba	Kate sawar	10	Large deciduous tree. Flowers attract many birds.
10	Anthocephallus	Kadamb	35	Shady, large deciduous tree, fastgrowing graceful tree, ball shaped flowers.
11	Michelia champaca	Son chafa	15	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
12	Albizia lebbeck	Shirish	15	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds)
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	500 KVA
	DG set as Power back-up during construction phase	2 Nos. x 500 KVA
	During Operation phase (Connected load):	2000 KVA
	During Operation phase (Demand load):	2000 KVA
	Transformer:	500 KVA
	DG set as Power back-up during operation phase:	2 Nos. x 500 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

? Purchase of energy efficient appliances.
? Constant monitoring of energy consumption and defining targets for energy conservation.
? Adjusting the settings and illumination levels to ensure minimum energy used for desired comfort levels.
? Condensate will be recovered and will send back to boiler.
? Proper temperature controls will be provided to reduce load on heating systems.
? Proper load factor will be maintained by the company.
? Company will adopt good maintenance practices and will maintain good housekeeping which will help in better illumination levels with least number of fixtures.
? On most of roofs transparent acrylic sheets will be provided to use day light and to stop use of lights during day time.
? LED lamps will be provided, wherever applicable.
? To the extent possible and technically feasible, energy efficient equipment will be selected.
? Gravity flow will be preferred wherever possible to save pumping energy.
? Recycling of water will done.

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 emission - Process vents & flue gas stacks	NA	Adequate Stack Height will be provided for Flue gas and Scrubber will be provided for process gaseous emissions
Wastewater - Domestic use & Industrial Use	NA	Sewage will be disposed off into soakpit & Industrial effluent will be treated into ETP & treated waste water shall be sent to CETP for the further treatment

Noise - Process area, ETP area, Boiler area	NA	The Boiler would be kept in an isolated area to have the ambient noise level as per CPCB standards. The workers would be provided with proper personal protective equipment (PPE) such as ear plugs, ear muffs etc. The DG sets would be enclosed in canopy as well as silencer.
Solid Waste	NA	Sale/ disposal to CHWTSDF

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 suppression	Water sprinkling, dust mask	1.0
2	Green Belt development	Tree plantation	1.5
3	Solid waste management facility	Solid waste collection and disposal facility	1.5
4	Environment Monitoring	Monitoring charges of Air, water, noise	0.5
5	Occupational Health	Health check-up, PPEs	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	Stacks for Boiler, Thermic fluid heater	5.0	1.25
2	Water Pollution Control	ETP	20.0	7.0
3	Noise Pollution Control	Acoustic enclousers	2.0	0.75
4	Environment Monitoring and Management	Environmental Monitoring of Air, water, noise	-	0.5
5	Occupational Health	Health Check-up of workers, Provision of First-aid medical facility, Provision of PPEs to workers	3.0	1.0
6	Rain Water Harvesting	Construction work for RWH tanks	6.0	0.5
7	Green Belt	Development of trees, Green area	2.0	1.0
8	Solid waste management	Disposal System for Solid waste and Membership from CHWTSDF	1.5	0.5
9	CSR Activity	CSR works	10.0	-

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Benzene	Liquid	Tank - SS	16	16	35	Local Market	Road Transport
Benzyl Chloride	Liquid	Drum - HDPE	20	NA	47	Local Market	Road Transport
Aluminum Chloride	Liquid	Drum - HDPE	5	2	1.5	Local Market	Road Transport
Acid	Liquid	Tank - HDPE	20	20	1.5	Local Market	Road Transport
Ester	Liquid	Drum - HDPE	15	NA	30.6	Local Market	Road Transport
Bromine	Liquid	Bottle - Glass	5	NA	57	Local Market	Road Transport
Alcohol	Liquid	Tank - SS	16	16	110	Local Market	Road Transport
Caustic	Solid	Bags	15	5	27.8	Local Market	Road Transport
Benzophenone	Solid	Bags	20	2	54.4	Local Market	Road Transport
Ammonium formate	Solid	Bags	5	NA	95.6	Local Market	Road Transport
Acid	Liquid	Tank - HDPE	20	20	150	Local Market	Road Transport
4-Chlorobenzophenone	Solid	Drum - HDPE	10	5	50	Local Market	Road Transport
Sodium Borohydride	Solid	Drum - HDPE	2	1	2.75	Local Market	Road Transport
Methanol	Liquid	Tank - SS	16	16	45	Local Market	Road Transport
Benzene	Liquid	Tank - SS	16	16	50	Local Market	Road Transport
y-Butyrolactone	Liquid	Drum - HDPE	5	NA	35	Local Market	Road Transport
Aluminum Chloride	Solid	Drum - HDPE	5	2	73.5	Local Market	Road Transport
Acid	Liquid	Tank - HDPE	20	20	52.4	Local Market	Road Transport
Cetz 3	Liquid	Drum - HDPE	5	3	44	Local Market	Road Transport
Piperazine	Solid	Drums - Fibre board	5	2	67.25	Local Market	Road Transport
Solvent (T)	Liquid	Tank - SS	20	20	136.4	Local Market	Road Transport
Acid	Liquid	Drum - HDPE	5	2	22.8	Local Market	Road Transport
NaOH	Solid	Bags	15	15	17.5	Local Market	Road Transport

52.Any Other Information

No Information Available

53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	Two Nos.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	4800 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:	Auto Rickshaw from 500 m of plant boundary
	Width of all Internal roads (m):	9 m, 7.5 m & 6 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	'B' Category, schedule 5(f)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not ApplicPP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP proposes scrubber to the process vents and stack height of 35 meters to the boiler to control the air pollution. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits at site.

Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP proposes Effluent Treatment Plant and discharge of treated effluent tot he CETP.
Drainage pattern of the project	Not Applicable
Ground water parameters	As per data submitted by PP ground water parameters are within the prescribed limits at project site.
Solid Waste Management	PP committed to dispose the hazardous waste at Common Hazardous Waste Treatment, Storage, and Disposal Facility and sale to Authorized vendors. Details are given at Sr. No. 38 of the Consolidated Statement.
Air Quality & Noise Level issues	As per data submitted by PP Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	The electrical demand for proposed project is 2000 KVA, which will be supplied by MSEDCL. PP proposes two numbers of 500 KVA DG Sets.
Traffic circulation system and risk assessment	PP has indicated in the lay out plan total 4800 Sq.m. area for parking and internal roads will be of minimum six meter width along with nine meters of turning radius for smooth circulation of traffic.
Landscape Plan	PP proposes 33% green belt.
Disaster management system and risk assessment	PP to carry out HAZOP and Risk Assessment.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP proposed EMP cost of Rs.5.00 Lakh during construction phase, EMP cost of Rs. 49.50 Lakh as capital cost during operation phase and Rs.12.50 Lakh/ Yr as O & M cost to maintain environmental parameters.
Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in the 136th meeting of SEAC-I held on 5th to 7th October,2017.

The proposal was earlier considered in 144th and 145th meetin gof SEAC wherein the proposal was deferred till PP sumits the compliance of following points.

1. The EIA report submitted was not as per standard requirement and missing many points like HAZOP, Risk Assessment, Productwise material Balance, mitigation measures, inadeqaute monitoring of surfce water parameters specifically COD and BOD found not been monitored.

2. Submission of pointwise compliance of additional TOR points raised during 1336th meeting of SEAC-1 and submission of revised EIA/EMP report.

3. PP to submit revised lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas,33% green belt, rain water harvesting etc.

4. PP to include list of individual products, byproducts and its quantity in the EIA report.

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

6. From baseline monitoring data the parameters like PM10 and PM2.5 are exceeding the limits at many places but no reasoning and mitigation measures proposed in the EIA report. PP to include the same in the EIA report.

7. PP to submit detailed water balance calculations.

Now PP submitted compliance of the above points.

DECISION OF SEAC

After deliberations with the PP and their accridited consultant, SEAC decided to recommend the proposal for prior Environment Clearance to the SEIAA subject to the following conditions.

Specific Conditions by SEAC:

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

FINAL RECOMMENDATION

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