169th SEAC-1 Meeting

SEAC Meeting number: 169th -DAY-1 **Meeting Date** October 10, 2019

Subject: Environment Clearance for Environmental Clearance for proposed production capacity enhancement of M/s. Siddharth Carbochem Products Ltd.

Is a Violation Case: No

1.Name of Project	M/s. Siddharth Carbochem Products Ltd
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rishabh Jain
4.Name of Consultant	M/s Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Industrial Project , Schedule 5 (f) Category B1 as per EIA Notification, 2006.
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	Existing project was set up before 2006.
8.Location of the project	Plot no E-3, MIDC area near Raymond factory, Jalgaon.
9.Taluka	Jalgaon
10.Village	-
Correspondence Name:	Mr. Rishabh Jain
Room Number:	-
Floor:	4th Floor
Building Name:	Eros Theatre building
Road/Street Name:	J Tata Road,
Locality:	Churchgate
City:	Mumbai
11.Whether in Corporation / Municipal / other area	MIDC area.
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 8983.32
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.)	20700
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.): 8983.32
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 09-12-2014
19.Total ground coverage (m2)	5992.39
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28.94
21.Estimated cost of the project	200000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable, Project is Industrial; the height of factory shed is 20 m

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)	Width of the road from the nearest fire station is 12 meters wide.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius of 9 meters is provided within the plot premises.
29.Existing structure (s) if any	Manufacturing plant & associated infrastructure are present on project plot
30.Details of the demolition with disposal (If applicable)	Not applicable, reactors & related machinery will be set up in existing shed.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Methyl Salicylate	250	550	800
2	Salicylic acid	95.8	146.2	242
3	Octyl Salicylate	0	150	150
4	Sodium Salicylate	0	150	150
5	Aspirin	0	150	150
6	Benzyl Salicylate/ Amyl Salicylate/ Hexyl Salicylate/Ethyl Salicylate/ Homosalate	0	150	150
7	Synthetic polymer	143	857	1000
8	Water treatment compound	125	875	1000
9	Sodium Sulphate Salt	0	30	30

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	6.0	4.0	10	1.2	0.8	2.0	4.8	3.2	8.0
Industrial Process	45	20	65	41.53	13.47	55	3.47	6.53	10
Cooling tower & thermopack	8 (2.4 condensate recovery)	572.8 (160 condensate recovery)	580.8 (162.4 condensate recovery)	4.87	357.1	361.97	0.73	55.69	56.42
Gardening	1.0	33.15	34.15	1	33.15	34.15	0	0	0

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Fresh water requirement	60	630	690	48.6	404.53	453.12	9.0	65.42	74.42

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre Monsoon: 3.2 to 62.5 mbgl; Post Monsoon: 0.8 to 27.1 mbgl
	Size and no of RWH tank(s) and Quantity:	RWH tank of 20 m3 volume, Size: (4x2x2.5) m
	Location of the RWH tank(s):	Near Entry Gate -2
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	8.0 Lakh
	Budgetary allocation (O & M cost) :	0.5 Lakh
	Details of UGT tanks if any :	Currently Water storage UG tank of 128 KL capacity have been provided (existing) & 400 KLD will be provided after expansion.
35.Storm water drainage	**Natural water drainage pattern:**	Slope of Natural water is from East to West is 0.0275
	Quantity of storm water:	Storm water have been designed considering a peak rainfall of 100 mm/Hr and run-off co-efficient of 0.9. The total quantity of storm water will be 1863 m3/Hr
	Size of SWD:	600 m x 600 mm x 560 mm.
Sewage and Waste water	**Sewage generation in KLD:**	8.0
	STP technology:	Domestic waste water will be treated by aeration of ETP.
	Capacity of STP (CMD):	Sewage will be treated by aeration of ETP.
	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:**	Construction activities are not anticipated; hence waste generation will not occur.
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	Dry wastes such as paper scrap & coal ash are generated. Scrap waste: Existing 300 Kg/M & After expansion 500 kg/M. Coal Ash: Existing : 18.12 MT/M & After expansion : 163 MT/M
	Wet waste:	Not Applicable
	Hazardous waste:	ETP Sludge (3 MT/M), Evaporator residue (7 MT/M), Sodium Sulphate Salt (30 MT/M), Used/Spent Oil (0.12 MT/M), Spent Catalyst (1.0 MT/M), Discarded Containers/Barrels (350 Nos./M), Distillation residue (0.9 MT/M)
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable

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Mode of Disposal of waste:	**Dry waste:**	Through authorized recycler/re-processor/brick manufacturer.
	Wet waste:	Not Applicable
	Hazardous waste:	ETP Sludge: CHWTSDF; Evaporator residue: CHWTSDF; Sodium Sulphate Salt: Reuse/Recycle/Sell to authorized vendor; Used/Spent Oil: Authorized reprocessor/CHWTSDF; Spent Catalyst: Reuse/Sell to authorized reprocessor/CHWTSDF; Discarded Containers/Barrels: Recycle/Authorized reconditioner/CHWTSDF; Distillation residue: Recycle/CHWTSDF
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Dedicated hazardous waste storage area will be provided as per the project plot layout.
	Area for the storage of waste & other material:	Dedicated Hazardous Waste storage area will be provided.
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2.0 Lakh
	O & M cost:	6.0 Lakh

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	6.8	8.2	6- 8.5
2	TDS	mg/l	2400	2000	2100 mg/l
3	BOD	mg/l	110	24	100 mg/l
4	COD	mg/l	500	203.1	250 mg/l

Amount of effluent generation (CMD):	74.42 CMD
Capacity of the ETP:	85 CMD
Amount of treated effluent recycled :	66.7 CMD
Amount of water send to the CETP:	Not Applicable
Membership of CETP (if require):	Not Applicable
Note on ETP technology to be used	The effluent will be segregated as High conc. Effluent and low conc. Effluent. The high conc. effluent will be treated in MEE. The low conc. effluent along with MEE condensate and blow down of CT & Boiler will be treated in the 3 stage ETP (Primary, secondary & tertiary) followed by R.O treatment to achieve ZLD. The domestic effluent will be treated in the aeration tank of the ETP.
Disposal of the ETP sludge	CHWTSDF, M/s. Maharashtra Enviro Power Ltd., Ranjangaon for disposal.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	35.3	MT/M	0.75	2.25	3.0	CHWTSDF, Rajangaon
2	Evaporator residue	37.3	MT/M	--	7.0	7.0	CHWTSDF, Rajangaon
3	Sodium Sulphate salt	--	MT/M	--	30	30	Reuse/Recycle/Sale to authorized vendor
4	Used/Spent Oil	5.1	MT/M	0.02	0.1	0.12	Sell to authorized vendor/CHWTSDF

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5	Spent catalyst	28.2	MT/M	0.2	0.8	1	Reuse/Sell to authorized reprocessor/CHWTSDF
6	Discarded containers 7 barrels/liners	33.1	MT/M	50	300	350	Recycle/Authorized reconditioner/recyclers
7	Distillation residue	20.3	MT/M	0.15	0.75	0.9	Recycle/CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1.5 MT/Hr steam boiler (This existing Boiler will be scraped out)	Coal/Briquette: 180 kg/Hr	1	30	0.8	150°C
2	200 KVA Diesel Generator (Existing)	Diesel : 25 L/Hr	2	7	0.1016	80°C
3	750 KVA Diesel Generator (Proposed)	Diesel : 150 L/Hr	3	12	0.2032	90°C
4	6 lakh kcal/Hr Thermopack (Proposed)	Coal/Briquette 265 Kg/Hr	4	30	0.8	160°C
5	3 MT/Hr steam boiler (this boiler will be for stand by)(Proposed)	Coal/Briquette: 580 kg/Hr	1	30	0.8	150°C
6	10 MT/hr steam boiler (Proposed)	Coal/Briquette: 2000 kg/Hr	1	30	0.8	150°C
7	Scrubber stack-1	NA	5	6	0.5	35°C
8	Scrubber stack-2	NA	6	6	0.5	35°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal/Briquette	180 Kg/Hr	2085 Kg/Hr	2265 Kg/Hr
2	Diesel	25 L/Hr	150 L/Hr	175 L/Hr
41.Source of Fuel		Coal -Local Supplier, Briquette - Local Supplier ,Diesel -Local Petroleum vendor		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	6831 sq.m
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	Existing no. of trees – 302 Nos. Total no of trees after expansion 1043 Nos.
	List of proposed native trees :	Cassia fistula, Bombax ceiba, Macaranga peltata, Schleichera Oleosa, Microcos Paniculata, Terminalia elliptica , Terminalia Paniculata , Terminalia bellirica, Cordia dichotoma, Helicteresisora, Holoptelea integrifolia, Butea monosperma, Oroxylum indicum, Azadirachta Indica , Callicarpato mentosa, Neolamarckia cadamba, Pterospermum acerifolium
	Timeline for completion of plantation :	1 years after grant of Environmental clearance.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Bahava	50	Native ornamental tree having flowers attracting bees and butterflies.
2	Bombax ceiba	Sawar	38	A native tree with large showy flowers visited by birds.
3	Macaranga peltata	Chandwar	25	A native tree found in abundance across the sahyadri range.
4	Schleichera oleosa	Kusum	63	A native tree found in abundance in Sahyadris.
5	Microcos paniculata	Shirali	44	A native evergreen tree abundantly found across the Sahyadri ranges.
6	Terminalia elliptica	Ain	41	A native evergreen broad leaved tree common in the Sahyadris.
7	Terminalia paniculata	Kindal	48	Kindal is a tropical tree with a large natural distribution in Western Ghats.
8	Terminalia bellirica	Baheda	40	A native medicinally important tree.
9	Cordia dichotoma	Shelu	60	Native deciduous tree attracting various insects.
10	Helicteres isora	Murudsheng	28	A native shrub extensively found in the tracts & plains of sahyadri used as roost plant by variety of birds.
11	Holoptelea integrifolia	Ainasadada	44	A native tree abundantly found in Jalgaon District.
12	Butea monosperma	Palash	58	A native brilliantly flowering tree fed by local birds fairly common and abundant across the Jalgaon District.
13	Oroxylum indicum	Tetu	30	A native ornamental tree.
14	Azadirachta Indica	Neem	44	A native evergreen tree known for plantation in polluted area.
15	Callicarpato mentosa	Aisar	20	A native evergreen tree with beautiful flowers & thick hairy leaves which helps in dust settling.
16	Neolamarckia cadamba	Kadamba	68	A native evergreen tree with thick canopy.
17	Pterospermum acerifolium	Karnikar	40	A native ornamental 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	Not Applicable	Not Applicable	Not Applicable

47.Energy

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Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	1300 KW
	During Operation phase (Demand load):	1620 KVA
	Transformer:	2000 KVA
	DG set as Power back-up during operation phase:	2 Nos. of DG set - 200 KVA & 750 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Solar power will be utilized for the illumination of office buildings, parking areas and common areas etc. streetlights will be installed.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar energy	1 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air emissions	1. Stack height of 30m have been provided to existing boiler of capacity 1.5 MT/Hr to ensure effective dispersion of pollutants. 2. Stack of 7m have been provided to the D.G. set of capacity 200 KVA.	1. Multicyclone separator attached to Stack of 30m will be provided to the proposed boiler of capacity 3 MT/Hr (this boiler will be Stand by) & proposed thermopack of capacity 6 Lakh Kcal/Hr. & proposed boiler of capacity 10 MT/Hr. 2. DG set stack of 12 m height will be provided to proposed DG set
Waste Water	ETP of 8 CMD capacity comprising of Primary, Secondary and Tertiary Treatment. STP of 3 CMD will be scraped out.	ETP will be upgraded to 85 CMD capacity comprising of Primary, Secondary and Tertiary Treatment. Installation of MEE of 25 CMD capacity. Installation of RO of 80 CMD.
Noise Pollution	Acoustic enclosures, Green belt	Noise acoustic enclosures will be provided, Adequate green belt will be developed to control noise within premises
Solid Hazardous Waste	The Hazardous waste is stored in a dedicated demarcated area, and sent to authorized recycler or sent to Ranjangaon CHWTSDF for disposal.	The Hazardous waste is stored in a dedicated demarcated area, and sent to authorized recycler or sent to Ranjangaon CHWTSDF for disposal.

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

51.Environmental Management plan Budgetary Allocation

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a) Construction phase (with Break-up):			
Serial Number	**Attributes**	**Parameter**	**Total Cost per annum (Rs. In Lacs)**
1	Not Applicable	Not Applicable	Not Applicable

b) Operation Phase (with Break-up):				
Serial Number	**Component**	**Description**	**Capital cost Rs. In Lacs**	**Operational and Maintenance cost (Rs. in Lacs/yr)**
1	Air	1. Multicyclone separator attached to Stack height of 30m has been provided to existing boiler of capacity 1.5 MT/Hr. (This boiler will be scraped out). 2. Multicyclone separator attached to Stack of 30m will be provided to the proposed boiler of capacity 3 MT/Hr (This boiler will be stand by) & 10 TPH boiler. 3.Multicyclone separator attached to Stack of 30m will be provided to the proposed TFH of capacity 6 Lakh Kcal/Hr.	20	3.0
2	Water	Upgradation of ETP to 85 CMD capacity, MEE and R.O.	200	20
3	Noise	Noise Pollution Control, Installation of anti-vibration pads & Enclosure	1.0	0.05
4	Environment Monitoring	Quarterly Environment Monitoring : Ambient Air Monitoring (PM10, PM2.5, SO2, NOx, CO) , Work Place Air Monitoring (VOCs & Fugitive Emissions), Boiler & DG Set Monitoring (TPM, SO2, NOx), Effluent Treated & Untreated(pH, COD, BOD, TSS, TDS, Oil & Grease) , Monitoring of Carbon & Water Footprint.	2.0	5.5
5	Occupational Health	Glares, Breathing Masks, Gloves, Boots, Helmets, Ear plugs & Annual Health Check-up of workers.	3.0	7.0

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6	Green Belt	Green Belt Maintenance	5.0	7.0
7	Rain Water Harvesting	Installation of Rain Water Harvesting system	8.0	0.5
8	Solid Waste Management	Solid Waste Management & Disposal to CHWTSDF	2.0	6.0
9	Energy conservation	Solar street lights & solar power to be provided to office building, parking and common areas etc.	146.5	0.25
10	Lightening arresotr	Installation	1.21	00

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Salicylic acid	Solid	Ware House	1000	1000	1750	Import	By Road/ By Sea
Methanol	Liquid	Solvent Area	60	60	370	Local	By Road
Caustic soda	Solid	Ware House	30	20	35	Local	By Road
Epichlorohydrin	Liquid	Tank Farm	40	40	150	Local/ Import	By road/by sea
Dimethylamine	Liquid	Tank Farm	40	40	120	Local	By Road
Adipic acid	Solid	Ware House	60	60	120	Local	By Road
2 ethyl hexanol	liquid	Solvent Area	20	20	150	Local	By Road
Acetyl Chloride	liquid	Ware House	25	25	120	Local	By Road
Acetic Acid	liquid	Tank Farm	20	20	60	Local	By Road
Trimethylcyclohexanol	liquid	Tank Farm	10	10	25	Local	By Road
Benzyl Chloride	liquid	Tank Farm	20	20	68	Local	By Road
Diallyldimethylammonium chloride	liquid	Ware House	20	20	68	Local/import	By road/by sea
Dicyandiamide	solid	Ware House	60	60	155	Local	By Road
Formaldehyde	liquid	Tank Farm	20	20	150	Local	By Road
Ammonium Chloride	solid	Ware House	30	20	29	Local	By Road
Diethylenetriamine	liquid	Ware House	20	20	29	Local	By Road
Acrylamide	solid	Ware House	10	10	10	Local	By Road
Poly Aluminum Chloride	solid	Ware House	25	20	33	Local	By Road
Aluminum Chlorohydrate	liquid	Tank Farm	15	15	50	Local	By Road
Acrylic Acid	liquid	Ware House	18	15	18	Local	By Road
Maleic Anhydride	solid	Ware House	7	5	7	Local	By Road
Styrene	liquid	Ware House	8	5	8	Local	By Road
Butyl Acrylates	liquid	Ware House	10	6	10	Local	By Road

52.Any Other Information

No Information Available

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53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	Not Applicable
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	2070 sq. m.
	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):	Width of all Internal roads is 6 m & Turning radius is 9 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	B1
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP proposes Zero Liquid Discharge, PP proposes scrubber to the process vents .As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits at site.
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.

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Waste Water Treatment	PP proposes Zero Liquid Discharge Effluent Treatment Plant.
Drainage pattern of the project	PP considered contour levels during design of storm water drains.
Ground water parameters	As per data submitted by PP ground water parameters are within the prescribed limits.
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 1620 KVA which will be supplied by MSEDCL. PP proposes two numbers of DG sets with capacity 200 KVA and 750 KVA.
Traffic circulation system and risk assessment	PP proposes internal roads with minimum six meter width and nine meters of turning radius for smooth circulation of traffic.
Landscape Plan	PP provided 33% green belt within the premises.
Disaster management system and risk assessment	PP carried out HAZOP and Risk Assessment and prepared Emergency plan.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP proposes Rs. 388.71 Lakhs as capital EMP cost and Rs. 49.30 Lakhs and recurring EMP cost for the maintenance of environmental parameters during operation phase.
Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC

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PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 166th meeting held on 27.05.2019 wherein ToR was granted along with following additionalconditions.

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

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

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

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

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

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

1. PP to submit certificate of incorporation of the company, list of directors and memorandum and association of articles.

2. PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.

3. PP to submit plan layout showing contour levels, storm water drain lines and location of rain water harvesting facilities along with calculations. PP to consider 125 mm rain intensity in Mumbai / Konkan area and 100 mm in rest of the Maharashtra area for the purpose of calculations.

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

5. PP to include detailed water balance calculations along with design details of zero liquid discharge ETP in the EIA report.

6. PP to carry out life cycle analysis of the activities carried out on site with respect to the acidification potential, eutrophication potential, green house and ozone depletion potential etc and proposed mitigation measures to reduce the identified potentials.

7. PP to prepare the Legal Reregister with respect to compliance of various Acts , Rules and Regulations applicable to the manufacturing activities.

8. PP to carry out HAZOP and QRA and submit disaster management plan.

9. PP to include details of generation and disposal of hazardous waste including byproducts as per Hazardous and other waste (Management and Trans boundary Movement) Rules, 2016 in the EIA report.

10. PP to submit technical note on how proposed expansion will be accommodated in the existing manufacturing plant along with equipment layout, spaces required for storage of raw materials and finished products etc.

11. PP to submit structural stability certificate of existing building with respect to the proposed expansion.

12. PP to submit hazardous chemical handling protocol

13. PP to include water and carbon foot print monitoring in the EMP.

14. PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly PP to provide lightening arrestor.

PP submitted EIA/EMP report for appraisal in 168th meeting of SEAC-1 held on 29.08.2019 where in the proposal was deferred till submission of compliance of following points.

1. PP to submit revised compliance of additional ToR No. 2,3,4,5.

2. PP to submit revised water balance calcualtions considering one time water requirement, qty. of recycled water and qty. of condensate from the boiler.

3. PP to submit report on the status of compliance of consent conditions obtained from Maharashtra Pollution Control Board.

4. PP to submit an undertaking for not violating any requirement of EIA Notification, 2006.

5. PP to prepare and submit CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.

Now PP submitted compliance of above points.

DECISION OF SEAC

After deliberations with the PP and their accredited consultant, SEAC-1 decided to recommend the proposal for prior Enviornmental Clearance to the SEIAA subject to the following conditions.

Specific Conditions by SEAC:

1) PP to submit compliance of the condition No. 3(d) of the standard ToR point to the SEIAA.
2) PP to provide new and renewable energy for illumination of the parking area, administrative building and street lights.
3) PP to implement CER plan in consultation with the District Authorities as per OM issued by MoEF&CC dated 01.05.2018.
4) PP to prepare safety related training modules in Marathi language so as to increase its effectiveness.
5) PP to include carbon and water foot print in the Environmental Monitoring Plan.

FINAL RECOMMENDATION

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

SEAC-AGENDA-0000000340