STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date:October 8, 2021

To,
Kalyan Dombivali Municipal Corporation
at Survey no - 191P, 192P, 89P, 231P, 188P, 177P

Subject: Environment Clearance for Common Municipal Solid Waste Management Facility (CMSWMF) at Manda, Titwala- West in Kalyan, Dist. Thane, Maharashtra.

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 167th (A) Day-3th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 226 Day-2th meetings.

2. It is noted that the proposal is considered by SEAC-I under screening category 7 (i) Common Municipal Solid Waste Management Facility (CMSWMF) as per EIA Notification 2006.

Brief Information of the project submitted by you is as below :-

1.Name of Project	Common Municipal Solid Waste Management Facility (CMSWMF) at Manda, Titwala-West in Kalyan, Dist. Thane, Maharashtra.
2.Type of institution	Government
3.Name of Project Proponent	Kalyan Dombivali Municipal Corporation
4.Name of Consultant	IRG Systems South Asia Pvt Ltd, E-16 III Floor, Hauz Khas Market, New Delhi 110016, India, Phone +91-11-45974500, Fax+91-11-26562050, E-mail: www.irgssa.com
5.Type of project	Others (Common Municipal Solid Waste Management Facility)
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Survey no - 191P, 192P, 89P, 231P, 188P, 177P
9.Taluka	Kalyan
10.Village	Manda
Correspondence Name:	Shri Dhanaji Toraskar, Deputy Municipal Commissioner
Room Number:	NA
Floor:	NA
Building Name:	Kalyan Dombivil Municipal Corporation
Road/Street Name:	NA
Locality:	Shankarrao Chowk, Kalyan
City:	Kalyan, Thane.
11.Whether in Corporation / Municipal / other area	Kalyan Dombivali Municipal Corporation

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12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Planning authority KDMC as per MRTP act 1966
	Approved Built-up Area: 36204
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.)	100700 m 2
16.Deductions	Not applicable
17.Net Plot area	100700 sq m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**FSI area (sq. m.):** Not applicable – all are single storey shed
	Non FSI area (sq. m.): Not applicable
	Total BUA area (sq. m.): 36204
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	36204
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	35 %
21.Estimated cost of the project	119000000

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22.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Compost	Not applicable	25 MT	25 MT
2	RDF	Not applicable	24 MT	24 MT
3	Sanitary Land Fill (for inerts only)	Not applicable	30 MT	30 MT

23.Total Water Requirement

Dry season:	**Source of water**	KDMC/Tanker
	Fresh water (CMD):	14 m3/day
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	10 m3/day
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	24 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):	14 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) :	24 m3/day
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	10 m3/day
Details of Swimming pool (If any)	Not applicable	

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24.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

25.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	7.5 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 :	50000 liter – 1 tank
26.Storm water drainage	**Natural water drainage pattern:**	As per gravity
	Quantity of storm water:	0.7 Cum/sec
	Size of SWD:	325 cum
27.Sewage and Waste water	**Sewage generation in KLD:**	STP not proposed
	STP technology:	Domestic sewage shall be disposed through septic tank/ soak pit.
	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

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28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	10 Kg/day from labor 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 Handed over to authorized vendor.
Waste generation in the operation Phase:	**Dry waste:**	Proposed facility is for treatment & disposal of solid waste disposal
	Wet waste:	Proposed facility is for treatment & disposal of solid waste disposal
	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:**	Recyclable material will be separated out by manual and mechanical means & sold to actual user/recycler.Non bio degradable organic fraction will be converted in to RDF.
	Wet waste:	Bio degradable fraction will be converted into compost.
	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):**	Solid waste management facility at Manda
	Area for the storage of waste & other material:	417
	Area for machinery:	4229
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	11.90 Crores
	O & M cost:	3.25 crores per year

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29.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	0	6-8	7.2	5.5 - 9.0
2	Dissolved Solids	Mg/l	3500	2000	2100
3	Chemical Oxygen Demand	Mg/l	1700	NA	250
4	Bio Chemical Oxygen Demand	Mg/l	800	100	100
5	Oil and Grease	Mg/l	10	NA	20

Amount of effluent generation (CMD):	10 KL/day
Capacity of the ETP:	10 KL/day
Amount of treated effluent recycled :	100% recycled
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	Compost and Landfill

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30.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/spent oil	5.1	Liters	Not Applicable	0.1 KL/annum	0.1 KL/annum	Will be handed over to Authorized Recycler

31.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

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	High speed diesel	Not applicable	Not Applicable	Will be required only in case of power failure

33.Source of Fuel	Near by petrol pump
34.Mode of Transportation of fuel to site	Through tempo

35.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):	NA
	During Operation phase (Demand load):	250 KVA
	Transformer:	NA
	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

Energy saving by non-conventional method:

NA

36.Detail calculations & % of saving:

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

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37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
MSW	Not applicable	Rotary atomizer and organic solution

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

38.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	1.00
2	Site Sanitation, Safety & Disinfection	Workers Health	2.00
3	Site Sanitation, Safety & Disinfection	Air, Water, Soil, Noise sampling & testing	4.00
4	Occupational Health	Health Check up	3.00

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	25.00	15.00
2	Odour Control deodorant chemical , fly repelant chemical will be used	Odour suppression	5.00	29.2
3	Landscape	Tree plantation & gardening	10.00	5.00

39.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

40.Any Other Information

No Information Available

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	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	7 (i) Common Municipal Solid Waste Management Facility (CMSWMF)
	Court cases pending if any	Not applicable
	Other Relevant Informations	The said facility is in Integrated Project for Processing and Disposing of daily Municipal Solid Waste of 150 TPD. The facility will process bio degradable wet by composting. Dry bio degradable waste will be send to RDF and non bio degradable will be send to recycler. Balance residual & inert will be send to Sanitary land fill facility
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	31-07-2017

3. The proposal has been considered by SEIAA in its 226 Day-2th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	PP to submit clarification regarding applicability of CRZ Notification.
II	PP to submit revised plan to ensure no damage is caused due to unforeseen flood situation and also to prevent river pollution.
III	PP to take utmost care to prevent the impact of activities on the surrounding environment, habitation, natural resources etc.
IV	PP to prepare plan to comply with the issues raised during public hearing and submit the same to the MPCB and the District Collector before commissioning of the proposed activity on site.
V	PP to prepare and implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.
VI	PP to undertake Meyawaki plantation of native and indigenous trees around the periphery of the proposed site. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki experts / arborist.
VII	PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
VIII	PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.

General Conditions:

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I	I. The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded Environmental Clearance and copies of Environmental Clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at http://parivesh.nic.in II. The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Controls Board, SEIAA and the Regional Office off MoEF&CC at Nagpur, on 1st June & 1sr December of each calendar year. III. Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the MPCB and the SEIAA. IV. A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards. V. In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained. VI. PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board. VII. PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain. VIII. Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board. IX. The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc. X. Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose. XI. PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time. XII. The Environmental Statement for each financial year ending on 31st March in Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental Clearance letter.

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4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

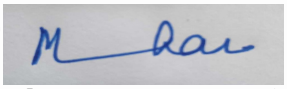
6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune),New Administrative Building, 1stFloor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



Manisha Patankar Mhaiskar (Member Secretary SEIAA)

Copy to:

1. SECRETARY MOEF & CC

2. IA- DIVISION MOEF & CC

3. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI

4. REGIONAL OFFICE MOEF & CC NAGPUR

5. MUNICIPAL COMMISSIONER THANE

6. MUNICIPAL COMMISSIONER BHIVANDI-NIZAMPUR

7. MUNICIPAL COMMISSIONER KALYAN-DOMBIVALI

8. REGIONAL OFFICE MPCB KALYAN

9. REGIONAL OFFICE MPCB THANE

10. REGIONAL OFFICE MIDC AMBERNATH

11. REGIONAL OFFICE MIDC THANE

12. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD

13. COLLECTOR OFFICE THANE

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