Minutes of the Meeting of the 1st Union Territory Expert Appraisal Committee (UTEAC) held on 19th March, 2025.

The 1st meeting of the Union Territory Expert Appraisal Committee (UTEAC) of Dadra Nagar Haveli and Daman & Diu was held under the Chairmanship of Shri Sujeetkumar Mariappa Dongre under hybrid mode on 19th March 2025 at 11:00 a.m. in the Office of Conservator of Forest, District secretariate, Silvassa.

The following were present:

1) Shri Sujeetkumar Mariappa Dongre, Chairman.
2) Shri Bidhu Bhushan Barman, Member
3) Shri B. Mohandaas, IFS CF, Member Secretary
4) Shri Joju P. Alappatt, IFS DCF, Special Invitee

The Member Secretary, UTEAC welcomed the Chairperson, Members of the Committee and Special invitees. The following proposal were deliberated in the meeting.

Sr No	Name of Project and Project Brief	Category	Status
1.	Environmental Clearance for Construction Project Ekdant Sanskriti by Kalpshree Homes at Survey no. 58/3, Ekdant Sanskriti, Near Ekdant Square, Ultan falia, Ring Road, Silvassa. **Proposal no.** : SIA/DN/INFRA2/496438/2024 **Proposal:**Proposed Residential/Commercial Project **Address** : Sr No. 58/3, Ekdant Sanskriti, near Ekdant Square, Ultan falia, Ring Road, Silvassa. **Land Area** : 1.22 Ha **Cost of the Project:** Rs.2015 lakhs	8(a): building and construction project	Environmental Clerance: EC was granted for plot area 9700.58 Sq. m, FSI area 15669 Sq. m and build-up area of 22689.27 Sq. m by UTEIAA vide approval no. UTEIAA/DNH/2020/19/07 dated 11th May, 2020. Now the project proponent applied for expansion in EC. After expansion, the plot area is 12200 Sq. m, FSI area 16700 Sq. m and build-up area of 23496.86 Sq. m.

1.1 Scope of Work

Plot Area (Sq. mt.)	12200
Ground coverage (Sq. mt.)	2274.29
Permissible Floor Area (Sq. mt.), FSI	24400.00
Proposed Floor Area (Sq. mt.) FSI	16700.00
Built up area (Sq. mt.)	23496.86
No. of Floors	G+9
Maximum Height (m)	35
No. of Blocks	5 Buildings
Numbers of units	391 Flats
Parking Area (Sq. mt.)	2655.15
Common Area (Sq. mt.)	212 ECS
Tree Covered Area (Sq. mt.)	Not Provided
Power Requirement (KW)	1200 KW

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1.1 Scope of Work

Plot Area (Sq. mt.)	12200
Ground coverage (Sq. mt.)	2274.29
Permissible Floor Area (Sq. mt.), FSI	24400.00
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No. of Blocks	5 Buildings
Numbers of units	391 Flats
Parking Area (Sq. mt.)	2655.15
Common Area (Sq. mt.)	212 ECS
Tree Covered Area (Sq. mt.)	Not Provided
Power Requirement (KW)	1200 KW

1.2 Water and Waste Water Details

- Total water requirement (KL/day): 224.14 (Fresh 126.64 KL/day and Treated 97.50 KL/day)
- Fresh water requirement (KL/day): 126.64
- Source of water:
  Local Water Tanker (During Construction Phase)
  Gram Panchayat water supply line and onsite treated water. (During Operation Phase)
- Waste water generation quantity (KL/day):168.912
- Mode of disposal: Soak Pit during construction phase while during operation phase the generated waste water will be sent to the proposed STP (168.61 KLD) for treatment. Treated water will be used for gardening & flushing purpose within premises and remaining quantity of treated water will be discharged into the Gram Panchayat Sewer line. (Has any permission been granted by Gram Panchayat or Authority concerned?)
- In case of STP provision, capacity of STP: Yes 180 KLD
- STP Technology: Not available
- Purposes for treated water utilization: Gardening and Flushing
- Quantity of treated water to be reused:
  1) Gardening (KL/day): 13
  2) Flushing (KL/day):84.50
- Provision of dual plumbing system (Yes/No): Yes
- Quantity and type (treated/untreated) of sewage to be discharged: Waste water to be generated will be diverted to STP. Treated water will be used for gardening & flushing purpose within premises and remaining quantity of treated water will be discharged into the Gram Panchayat Sewer line.
- Power Requirement: 1200 KW (estimated) from Dadra Nagar Haveli Power Distribution Corporation Ltd (DNH PDCL)

1.3 Solid/Hazardous Waste Management and Disposal:

a) During Construction Phase

150 Workers 250 gms/person/day = 37.50 Kgs/day

b) During Operation Phase
Garbage waste: Source-Domestic, 285.43 TPA
Sludge: Source-STP, Not Provided

c) Mode of Disposal: Will be sent to the nearby collection point of Silvassa Municipal Corporation during construction phase while door-to-door collection system will be adopted during operation phase and disposal to the Silvassa Municipal Corporation.

1.4 Observations/ Discussions: -

A. <u>Clarifications sought from the project proponent: -</u>

1. Details of additional land acquired for the expansion of the project?
2. Only soak pit proposed for sewage disposal during construction. This is inadequate without a septic tank. Therefore, Precast or mobile septic tank to be procured/installed and to precede the soak pit. Technical details of the same shall be submitted.

3. How far is Daman ganga river and what are details of open drains flowing within visible distance from the site? Where are these drains leading to?
4. What will be capex and opex for MBBR technology based STP? How was it worked out? What is the power requirement to run the STP? How and who will bear O&M cost of EMP including STP? These may be explained.
5. Only 153 trees are proposed for plantation. What will be the percentage of green belt? Will it be 33%? Necessary guidelines used by the competitive authority shall be submitted.
6. Ambient air quality and existing water bodies within 5/10 km not shown and quality not mentioned. These may be submitted.
7. Project Proponent has to make available the proposed technology: MBBR / MBR / SBR of Activated Sludge process or otherwise?
8. What is the provision towards utilisation of at least 10% of power requirement non-conventional sources of energy such as solar-power for common-amenities?

B. Submission of Compliance Report: -

1. Project proponent to submit the following documents: a. Circular regarding expansion of EC under EIA notification b. Circular regarding proportion of Green Belt area in terms of No. trees to be planted per Sq.m of the project.
2. The layout plan of the project shall incorporate green belt area, Waste treatment facility (liquid and solid), Rain water Harvesting facility, in house composting facility, DG set and solar energy if applicable.
3. The project proponent shall submit comprehensive Water audit of the proposal during construction phase and operational phase which shall incorporate source of water (Open source, Borewell, PWD) and waste water treatment and final disposal.
4. Comprehensive EMP plan shall be submitted by the project proponent for 10 years period by the accredited agency.
5. No ground water withdrawal/ supply is permitted without prior approval from Central Ground Water Authority (CGWA) either directly from the project site or from their water suppliers from areas outside the project site through water tankers.
6. Soak pit and unscientific solid waste disposal shall be avoided during the construction phase and detailed solid waste disposal plan shall be drawn for project and submitted.
7. Minimum 33% of the total project area shall be used for Greenbelt development by planting seedlings of more than one year old native and indigenous species.
8. STP treated water shall be reused completely within the project area and no discharge is permitted outside the project premises. The Project proponent shall evolve a mechanism for using treated STP water for irrigation of avenues, block plantations and median plantation maintained by the Forest/ municipal/ PWD and Private authorities. Accordingly, an under taking shall be submitted by the Project proponent after consultation with above authorities.
9. Quantity of treated water to be reused: (what is a total quantity of STP-treated water? If total water requirement is 224.14 KLD, the wastewater generation is approx. 168.912 KLD. Thus, STP capacity is appears to be INSUFFICIENT).
   a) Gardening (KL/day): 13
   b) Flushing (KL/day): 84.50

(Thus, total utility of STP treated water is 13 + 84.50 = 97.50 KLD only. What happens to remaining STP-treated water, especially during monsoon?)

10. STP operational efficiency shall be evaluated by an external accredited agency annually and reports to be submitted to UTEAC.
11. The waste generated during the construction phase shall be composted in the project site and shall be used as manure there itself. It is not acceptable to send waste to outside for disposing it by Municipal authorities.
12. Cost to EMP shall be appropriately raised considering the degree of environmental damage caused during construction and efforts required to restore and manage during the operation phase. The revised cost to be worked out and submitted along with the letter indicating the agreement between for project proponent and the housing society for the future management.
13. The committee has decided to undertake a site visit after the receipt of documents and clarifications sought, as referred above.

Sr No	Name of Project and Project Brief	Category	Status
2.	Environmental Clearance for proposed Construction Project Marina Bay Procon LLP located at Survey No 179/1, village Magarwada, Moti Daman, Daman, 396220. **Proposal no.** : SIA/DN/INFRA2/517425/2025 **Proposal** : Proposed Building Construction Project **Address** : Sr No.179/1, Village Magarwada, Moti Daman, Daman. **Land Area** : 7420.00 m^2 **Cost of the Project:** 30 Crores.	8(a): building and construction project	Fresh EC Proposal.

2.1 Scope of Work

Plot Area (Sq. mt.)	7420.0
Ground coverage (Sq. mt.)	3136.57
Permissible Floor Area (Sq. mt.), FSI	20889.72
Proposed Floor Area (Sq. mt.) FSI	20152.48
Built up area (Sq. mt.)	27428.02
No. of Floors	G+12
Maximum Height (m)	45.0
No. of Blocks	1 building
Numbers of units	Rooms – 374 Flats – 19 1BHK – 13; 2BHK - 6
Parking Area (Sq. mt.)	5425.81
Common Area (Sq. mt.)	Not Provided
Tree Covered Area (Sq. mt.)	Not Provided
Power Requirement (KW)	1200 KW

2.2 Water and Waste Water Details

- Total water requirement (KL/day): 117.00 (Fresh 65.5 KL/day and Treated 51.50 KL/day)
- Fresh water requirement (KL/day): 65.5
- Source of water:
  Local Water Tanker (During Construction Phase)
  Gram Panchayat water supply line and onsite treated water. (During Operation Phase)
- Waste water generation quantity (KL/day):87.60
- Mode of disposal: Soak Pit during construction phase while during operation phase the generated waste water will be sent to the proposed STP (87.60 KLD) for treatment. Treated water will be used for gardening & flushing purpose within premises and remaining quantity of treated water will be discharged into the Gram Panchayat Sewer line.
- In case of STP provision, capacity of STP: Yes 105.00 KLD
- STP Technology: STP with MBBR Technology
- Purposes for treated water utilization: Gardening and Flushing
- Quantity of treated water to be reused:
  1) Gardening (KL/day): 7.5
  2) Flushing (KL/day):44.50
- Provision of dual plumbing system (Yes/No): Yes
- Quantity and type (treated/untreated) of sewage to be discharged: Waste water to be generated will be diverted to STP. Treated water will be used for gardening & flushing purpose within premises and remaining quantity of treated water will be discharged into the Gram Panchayat Sewer line.
- Power Requirement: 1200 KW (estimated) from Dadra Nagar Haveli Power Distribution Corporation Ltd (DNH PDCL)

2.3 Solid/Hazardous Waste Management and Disposal:

a) During Construction Phase
150 Workers 250 gms/person/day = 37.50 Kgs/day
b) During Operation Phase
Garbage waste: Source-Domestic, 13.68 TPA
Sludge: Source-STP, Not Provided
c) Mode of Disposal:
The construction wastes do not cause any health hazard. Solid waste during the construction phase comprised mainly of excavated, concrete debris, steel scrap, insulation material and packaging material.
Surplus earth was used for back filling and green belt Development. Cement bags, waste paper, cardboard packing material and unusable steel scrap are collected at site and sold to recyclers/authorized vendors.

2.4 Observations/ Discussions: -

The proponent formally withdraws their application on the day scheduled for their presentation. Hence the project was omitted during deliberation.

Sr No	Name of Project and Project Brief	Category	Status
3.	Environmental Clearance for Shivanta – Residential Cum Commercial Building Construction Project by M/s Royal	8(a): Building	Fresh EC

	Enterprise at Survey No 1, 2, 4 & 534, Behind Samarvarni Panchayat Office, Samarvarni, DNH&DD, 396230. **Proposal no.** : SIA/DN/INFRA2/464550/2024 **Proposal** : Proposed Residential Cum Commercial Project **Address** : Sr No. 1, 2, 4, & 534, Behind Samarvarni Panchayat Office, Samarvarni, DNH&DD, 396230. **Land Area** : 2.0108 Ha **Cost of the Project:** 9172 lakhs.	and construct ion project	Proposal.

3.1 Scope of Work

Plot Area (Sq. mt.)	20108.00
Ground coverage (Sq. mt.)	5769.90
Permissible Floor Area (Sq. mt.), FSI	58506.48
Proposed Floor Area (Sq. mt.) FSI	57899.68
Built up area (Sq. mt.)	87829.62
No. of Floors	B+G+14
Maximum Height (m)	49.75
No. of Blocks	11 Buildings
Numbers of units	Flats – 616 Shops - 13
Parking Area (Sq. mt.)	17915.27
Common Area (Sq. mt.)	1433 ECS
Tree Covered Area (Sq. mt.)	Not Provided
Power Requirement (KW)	2300

3.2 Water and Waste Water Details

- Total water requirement (KL/day): 437.50 (Fresh 250.5 KL/day and Treated 187.00 KL/day)
- Fresh water requirement (KL/day): 250.5
- Source of water:
  Local Water Tanker (During Construction Phase)
  Local authority. (During Operation Phase)
- Waste water generation quantity (KL/day):334.00
- Mode of disposal: Soak Pit during construction phase while during operation phase the generated waste water will be sent to the proposed STP (334.0 KLD) for treatment. Treated water will be used for gardening & flushing purpose within premises and remaining quantity of treated water will be discharged into the Gram Panchayat Sewer line.
- In case of STP provision, capacity of STP: Yes 350 KLD
- STP Technology: STP with MBBR technology.
- Purposes for treated water utilization: Gardening and Flushing
- Quantity of treated water to be reused:
  1) Gardening (KL/day): 20
  2) Flushing (KL/day):167.0
- Provision of dual plumbing system (Yes/No): Yes
- Quantity and type (treated/untreated) of sewage to be discharged: Waste water to be generated will be diverted to STP. Treated water will be used for gardening & flushing purpose within premises and remaining quantity of treated water will be discharge into the underground drainage line of local authority.

- Power Requirement: 2300 KW (estimated) from Dadra Nagar Haveli Power Distribution Corporation Ltd (DNH PDCL)

3.3 Solid/Hazardous Waste Management and Disposal:

a) During Construction Phase
150 Workers 250 gms/person/day = 37.50 Kgs/day
b) During Operation Phase
Garbage waste: Source-Domestic, 565.65 TPA
Sludge: Source-STP, 10 TPA
c) Mode of Disposal: Will be sent to the nearby collection point of Silvassa Municipal Corporation during construction phase while door-to-door collection system will be adopted during operation phase and disposal to the nearest collection point of local authority.

3.4 Observations/ Discussions: -

A. Clarifications sought from the project proponent: -

1. Only soak pit proposed for sewage disposal during construction. This is inadequate without a septic tank. Therefore, Precast or mobile septic tank to be procured/installed and to precede the soak pit. Technical details of the same shall be submitted.
2. How far is Daman ganga river and what are details of open drains flowing within visible distance from the site? Where are these drains leading to?
3. What will be capex and opex for STP technology? How was it worked out? What is the power requirement to run the STP? How and who will bear O&M cost of EMP including STP? These may be explained.
4. Ambient air quality and existing water bodies within 5/10 km not shown and quality not mentioned. These may be submitted.

B. Submission of Compliance Report: -

1. The layout plan of the project shall incorporate green belt area, Waste treatment facility (liquid and solid), Rain water Harvesting facility, in house composting facility, DG set and solar energy if applicable.
2. The project proponent shall submit comprehensive Water audit of the proposal during construction phase and operational phase which shall incorporate source of water (Open source, Borewell, PWD) and waste water treatment and final disposal.
3. Comprehensive EMP plan shall be submitted by the project proponent for 10 years period by the accredited agency and Cost of the EMP shall be worked out based on the operational requirement during the construction phase and operational phase.
4. No ground water withdrawal/ supply is permitted without prior approval from Central Ground Water Authority (CGWA) either directly from the project site or from their water suppliers from areas outside the project site through water tankers.
5. Soak pit and unscientific solid waste disposal shall be avoided during the construction phase and detailed solid waste disposal plan shall be drawn for project and submitted.
6. Minimum 33% of the total project area shall be used for Greenbelt development by planting seedlings of more than one year old native and indigenous species.
7. STP treated water shall be reused completely within the project area and no discharge is permitted outside the project premises. The Project proponent shall evolve a mechanism for using treated STP

water for irrigation of avenues, block plantations and median plantation maintained by the Forest/ municipal/ PWD and Private authorities. Accordingly, an under taking shall be submitted by the Project proponent after consultation with above authorities.

8. STP operational efficiency shall be evaluated by an external accredited agency annually and reports to be submitted to UTEIAA.
9. The waste generated during the construction phase shall be composted in the project site and shall be used as manure there itself. It is not acceptable to send waste to outside for disposing it by Municipal authorities.
10. Cost to EMP shall be considerably raised and the revised cost to be worked out and submitted along with the letter indicating the agreement between for project proponent and the housing society for the future management.
11. The committee has decided to undertake a site visit after the receipt of documents and clarifications sought, as referred above.

Sr No	Name of Project and Project Brief	Category	Status
4.	Proposed Expansion to Manufacture Enhanced Capacity of Polyester Partially Oriented Yarn (POY) (From Pet Granules and Through Continuous Polymerization) "Manmade Fibers Manufacturing" (Other than Rayon) at survey No. 139 & 140, Madhuban Dam Road, Village Karad by M/s. Unify Texturisers Pvt. Ltd.(Expansion its manufacturing capacity of POY from PET granules from 100 TPD to 300 TPD; and introduction of new process for Partially Oriented Yarn (POY) / Polyester (PET) Granules production through continuous polymerization (using PTA and MEG as raw materials) @ 800 TPD within the existing premises located in the Notified industrial zone, Karad. **Proposal no.** : SIA/DN/IND2/459738/2024 **Proposal** : Proposed Expansion Project for manufacturing of POY through continuous polymerisation. **Address** : Sr No.139 & 140, Madhuban Dam Road, Village Karad- 396230, Silvassa. **Land Area** : 83300.00 m² **Cost of the Project:** INR 350.91 Cr	5(d): Man-made Fibres manufacturing (others) category B1	EC Appraisal Compliance of ToR for EIA Report. ToR Letter No.: UTEIAA/DNH-DD/2021/26/15, Dated: 05/05/2023. The existing product is not applicable for Environmental Clearance (EC); hence, the unit is not required to obtain EC. EC not obtained for existing project and copy of first CTE (NOC) & CCA obtained from GPCB i.e. before 14/09/2006 is as follows CTE (NOC) No: PCC/DDD/O1964/RK/WA/03-04616, dated: 19/03/2004. First CC&A No.: PCC/DDD/O1964/RK/AA/03-04/206, Date: 04/10/2004.

4.1 Project Highlights

Sr. No.	Particulars	Details
1	Total Plot Area	83300 m²
2	Greenbelt Area	27584.82 sqm
3	Product with Production capacity	**Existing:** • POY @ 100 MT/Day (from PET granules) • Texturized yarn @ 200 MT / Day (from POY) **Proposed:** • POY @200 MT/Day (from PET granules) • POY @800 MT/Day (by Continuous Polymerization)
4	Raw Materials	POY and antistatic Oil, Polyester Chips/Granules and Spon Finish oil, Purified Terephthalic Acid (PTA), Mono Ethylene glycol (MEG), Catalyst (Metal oxide), Titanium Dioxide.
5	Cost of Project	Proposed Project cost: 313.57 Crores (Total after proposed expansion: 350.91 Crores)
6	Capital and Recurring cost earmarked for environmental protection measures	• Capital cost for EMP: Rs. 13.58 Crores (After expansion) • Recurring cost for EMP: Rs. 54.25 Lacs / Annum and • CER cost per annum (for 10 yrs.): Rs. 31.36 Lacs / Annum.
7	Total fresh water requirement and its sources	• Fresh water – 275 KLD (After proposed expansion) • Source: Surface water (R. Damanganga) @ 250 KLD and From Borewell @ 25 KLD (having Noc from CGWA). • Total water requirement (including Reused water) – 618 KLD
8	Total Power requirement and its sources	• 18000 KVA (Existing: 13000 KVA and Proposed: 5000 KVA) • Source: DNHDDPDCL
9	D.G. Set (Standby power source)	• Existing: 1000 KVA (2 Nos. of 500 KVA) • Proposed: 5000 KVA (2 Nos. of 2000 KVA and 1 no. of 1000 KVA) with acoustic enclosure.
	Fuel Requirement	Diesel – 1120 L/Hr. Existing – 120 L/Hr., Proposed – 1000 L/Hr.
10	Steam Boiler	Existing: NA Proposed: 3 Tons/ Hr 1 No.
	Fuel Requirement	Natural gas – 190 SCM/Hr. or Agro based briquettes – 45 Ton/Day.
11	Thermic Fluid Heater	Existing: NA Proposed: 12 M Kcal/Hr., 4 Nos.
	Fuel Requirement	Existing: NA Proposed: Natural Gas: 1300 SCM/HR. for each or Agro based briquettes – 45 Ton/Day

12	Utility emissions	PM < 150mg/Nm^3, SO_2 < 100 ppm, Nox<50ppm
13	Man Power	Total after proposed Expansion: 988 Nos.
14	Air pollution Control measures	Adequate stack height to boiler, D.G. set & Thermic Fluid Heater as per guidelines of CPCB. And Multiple cyclone separator (Dust collector) with Bag filter will be provided to Steam boiler & TFH.
15	Wastewater generation	Domestic: 29 KLD (After Proposed Expansion) Industrial: 317 KLD (After Proposed Expansion)
16	Resource recovery Reuse/Recycling	• 29 KLD treated water from modular STP will be reused for plantation of greenbelt within premises. • 54 KLD treated water from ETP will be reused for plantation of greenbelt within premises. • 213 KLD treated water from ETP will be reused in cooling tower after softening. • 41 KLD RO permeate will be reused in cooling tower. • 7 KLD MEE condensate will be reused in boiler. • 380 Ton/Day MEG will be recovered and reused in process
17	Wastewater management	• Domestic wastewater will be treated in STP and disinfected sewage to be reused for gardening. • Industrial effluent generation @150 KLD from process and @118 KLD from washing &burnout will be sent to in-house ETP for treatment; and treated water @54 KLD will be reused in plantation and @213 KLD will be sent to softener. • Blow down from cooling and boiler & softener regeneration &49KLD will be treated in RO plant; and RO permeate @41 KLD will be reused in cooling. • RO reject @ 8 KLD will be sent to MEE. Condensate water @ 7 KLD will be reused in boiler.
18	Solid/ Hazardous wastes	• ETP & MEE Waste (35.3): 98.50 MT/Annum • Used OIL (5.1): 0.30 KL/Annum • Empty drums & container (33.1): 1800 Nos./Annum • Empty jumbo bags & liners (33.1): 700 MT/Annum • Cotton waste / Cotton Rags (33.2): 0.80 MT/ Annum • Yarn waste: 6.34 MT/Annum • Spinning Waste: 12.05 MT/Annum

		• PTA Sweeping waste: 0.04 MT/Annum • Polymer Waste: 1.21 MT /Annum
19	Status of the project	• Existing unit is under operation with all required legal permissions. • Proposed project activities will start after obtaining of necessary statutory clearances & permissions.

4.2 Observations/ Discussions: -

A. Clarifications sought from the project proponent: -

1. The existing product is not applicable for Environment Clearance (EC); hence, the unit is not required to obtain EC, as observed in the observation column above. If so, justify the non-applicability accordingly.
2. In line with above and if EC not obtained for existing project and copy of first CTE (NOC) & CCA obtained from GPCB, what is the probable reason for seeking prior EC.
3. How many cyclone separators and bag filters will be fitted to Boiler and TFH
4. Details of STP and ETP technologies existing and proposed after expansion shall be submitted.
5. How treated waste water of 29 KLD from STP and treated trade effluent of 54 KLD from ETP will be used for plantation and green belt development in rainy season, when water demand will be very less or nil? Why excess water from STP not proposed to discharge into local sewer line?
6. How and how many air quality sampling stations were decided?
7. How many existing open drains are there in the near vicinity of the site and where are they leading to Shall be explained.
8. Picture of existing green belt, ETP, STP, HSE Office and number of existing staffs may be provided.

B. Submission of Compliance Report: -

1. The project proponent shall submit the compliance report on operation of rain water harvesting system and renewable energy sources through solar energy system from the date of ToR till date.
2. Minimum 33% of the total project area shall be used for Greenbelt development by planting seedlings of more than one year old native and indigenous species. Out of 33% in Green Belt Development plan, from the conservation point of view the unit is further advised to develop at least 10% of area exclusively with medicinally valuable and endangered native tree species.
3. In addition to the above the user agency is to also provide in the EIA/EMP report, the specific approval letter from the concerned authority for utilization of water from Daman ganga River, with details of the actual source of water and permission for the drawl of water from the competent authority.
4. Provide proper and revised Wildlife conservation Plan. It should be verified by the Deputy Conservator of Forest (Wildlife).
5. Disaster Management Plan shall be prepared and submitted accordingly.
6. Revised EMP and EIA shall be submitted by the project proponent by the accredited agency.

7. The committee has also suggested to physical audit the unit for compliance of ToR.
8. The committee has decided to undertake a site visit after the receipt of documents and clarifications sought, as referred above.

Sr No	Name of Project and Project Brief	Category	Status
5.	Integrated Municipal solid waste management with capacity: 150 TPD, at kharadpada village survey no. 214 & 216, by M/s. Rurban Cleantech Pvt. Ltd. U.T. of Dadra and Nagar Haveli. **Proposal no.** : SIA/DN/MIS/129706/2019 **Proposal** : Integrated Municipal Solid Waste Management Project. **Address** : Khardapada Village Survey no 214 & 216, Dadra and Nagar Haveli. **Land Area** : 5.27 Ha **Cost of the Project:** INR 29.18 Cr	7(i): Common Municipal Solid waste Management facility (category B1)	EC Appraisal Compliance of ToR for EIA Report. ToR was issued: March 27, 2019 **(SIA/DN/MIS/33746/2019 and later extended till 25th July 2023**

5.1 Project Highlights

Sr. No.	Particulars	Details
1	Total Plot Area	5.27 Ha
2	Greenbelt Area	0.50 ha
3	Product with Production capacity	Integrated Municipal Solid Waste Management – 150 MT/Day
4	Raw Materials	Municipal Solid Waste
5	Cost of Project	Rs. 29.18 Crores
6	Capital and Recurring cost earmarked for environmental protection measures	The total capital cost involved in CER activities will be Rs. 35.00 lacs and Rs. 7.00 lacs as recurring cost
7	Total power requirement and its source	52.00 KVA, DNHPDCL
8	Total fresh water requirement and its sources	Domestic 1 KLD Floor Washing /mopping 1 KLD Workshop/Vehicle maintenance shed 2 KLD Compost Plant 2 KLD Plastic Recycling 1 KLD Green belt development 3 KLD
9	Wastewater generation	Leachate from Windrow of compost plant – 50 KLD Leachate from landfill – 10 KLD
10	Wastewater management	➢ Excavation will be avoided during monsoon season; ➢ Garland drains will be constructed to prevent the runoff from stockpiles generated during excavation; ➢ Vehicle Maintenance and related activities will not be undertaken at site to avoid any oil

		spill/leaks; ➢ Arrangements for septic tank-soak pits will be provided for disposal of sewage as per the design aspects of Bureau of Indian Standards; ➢ An impervious cover will be provided over the adjacent storm water drain to prevent the surface runoff carrying the construction waste materials/ other pollutants to enter the drain.
11	Utility Requirements	NA
12	Fuel Requirement	NA
13	Air pollution control measures	➢ Ensure covered transportation for waste haulage to the landfill site. ➢ Regular water sprinkling will be done along haulage roads utilized for transportation of cover material. Dust suppression will be carried out along project traffic routes lying close to residential areas and other sensitive locations viz. schools, colleges etc; ➢ Routine and scheduled maintenance of engine of vehicles and equipment's (compressors, generators etc) will be ensured so that exhaust emissions do not breach statutory limits set for that vehicle/equipment type and mode of operation. All vehicles and equipment will be maintained in accordance with manufacturers< guidance; ➢ Green belt will be developed in accordance to "Green Belt Development Plan" along internal roads and boundary of site to prevent any offsite dispersion of air pollutants. The green belt will also be serving as wind abatement system to prevent any generation of wind blow dust onsite. ➢ Establishing frequent waste collections schedules and optimize waste collection routes to minimize distance travelled and overall fuel use and emissions. ➢ Instituting a washing program for waste collection vehicles to prevent generation of dust and bioaerosols. ➢ Use of herbicide/mist sprays to keep down dusts and odors, especially during and prior to waste loading and other handling procedures. ➢ Use of windrow turning equipment that is specially designed to minimize air emissions. ➢ Use of dust suppression systems on conveyers used in compost plant Enclose leachate drains to reduce the emission of odors. ➢ Optimize water use in the composting process to avoid anacrobic conditions that can cause hydrogen sulfideodors if the compost mixture contains sulfur-containing materials. ➢ Application of daily soil cover and compaction of landfill waste to reduce odor generation. ➢ Adequate stack height shall be provided to DG

		sets in accordance CPCB standards. ➢ Address lettering issue from landfill operations and also odour problem from compost yard by spraying inoculums over windrow.
14	Man Power	30 Nos.
15	Hazardous wastes	NA
16	Hazardous waste management	NA
17	**Noise Expected levels** Inside the plant:<85dB(A)	Monitoring of the noise levels and exposures is essential to assess the Environmental Management Plan implemented to reduce noise levels. Audiometric tests will be conducted periodically for the employees working close to the noise sources. Noise levels will be monitored within the project site on regular intervals.

5.2 Observations/ Discussions: -

A. Clarifications sought from the project proponent: -

The project details were not shared and only queries raised by previous UTEAC have been explained. Therefore, the following may be shared and submitted:

i) Has the project been prepared following SBM of MoHUA guidelines? Has any MRF (material recovery plant) proposed before carrying inert solid wastes to landfill site? What are the proximate analysis results and calorific value of dry waste? Has any waste to energy generation explored?

ii) The EMP may be submitted based on comments and recommendations of previous UTEAC.

iii) How leachate from Landfill site is proposed to be tackled, may be explained.

iv) An engineering general arrangement of Landfill site may be given showing geo-sheet laying and reclaim plan of land if any.

v) It may be ascertained whether the chosen site conforms to City Sanitation plan/Master Plan/Town plan?

vi) The proposed D.G set needs to be provided with port-hole and platform, if any along with provision to monitor emission during operational phase. In addition, it is mandated to installed Online Emission monitoring device to understand Real-time emission and to be connected to be PCB-server accordingly.

B. Submission of Compliance Report: -

1. Biodiversity information presented in the report has so many factual errors. Therefore, the details of plant species given in the EIA report to be revised and resubmitted. Similarly, data in text of chapter 5.1 do not match with Table 5.1 for same parameter. Revised and correct data be included in revised report. Table 6.1 and 6.2 have factual errors on Stack emission parameters which need to be corrected. The text of Chapter 7, p.176 in the report cannot be read. At page 175, Public Consultation para may be redrafted and submitted as per requirement of ELA Notification 2006 and Appendix 9. The consultant has made the report casually and need serious review for such technical errors.

2. There are 5 faunal species in study area falling under SCIEDULE 1 and CRITICALLY ENDANGERED(CR) category. One CR species is endemic also. Therefore, a wildlife conservation plan in consultation with Forest Department for schedule – I species may be included in the EIA report, Individual copy of the plan shall also be prepared and submitted to UTEAC.

3. Engineering layout plan of all treatment function shall be depicted in a map (Present/Future).

4. Rainfall & topography shall be considered to control the run – off during the peak precipitation and accordingly adequate measures (Engineering/non-engineering) shall be undertaken.

5. Boundary wall/ perimeter protection shall be made to keep the animals away from the site-separated plan and cost estimation shall be submitted.

6. Compliance report on public hearing shall be submitted.

7. Environment Management Plan (EMP) shall be suitably modified and Disaster Management Plan shall be submitted by the accredited agency only.

8. The committee has decided to undertake a site visit after the receipt of documents and clarifications sought, as referred above.

(Shri Sujeetkumar Mariappa Dongre)
Chairman, UTEAC

(Shri Bidhu Bhushan Barman)
Member, UTEAC

17.03.2015

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