Minutes of the Meeting (MoM) of the Union Territory Expert Appraisal Committee (UTEAC) Held on 17th January, 2022.

A meeting of the Union Territory Expert Appraisal Committee (UTEAC) of Dadra & Nagar Haveli and Daman & Diu was convened under the Chairmanship of Dr. V. P. Upadhyay via video conferencing at 11:00 a.m. on 17th January, 2022 to discuss the projects proposals received for grant of Environmental Clearance.

The following members joined the online meeting:

1) Dr. V. P. Upadhyay, Rtd. Scientist (Advisor), MoEF&CC (Chairman, UTEAC)
2) Shri Arvind Vispute, Rtd. Chief Conservator of Forests (Member, UTEAC)
3) Shri Joju P. Alappatt, IFS, Dy. Conservator of Forests, Daman & Diu, (MS, UTEAC)
4) Ms. Charmie Parekh Asst. Town Planner DNH&DD (Member, UTEAC)

The Member Secretary, UTEAC welcomed the Chairperson and Members of the Expert Appraisal Committee. The following proposals were considered during the meeting.

Proposal-1

Sr. No.	File No.	Project Proponent	Status
1.	UTEIAA/DNH-DD/2021/12	M/s. TYP ASSOCIATES	Screening &Appraisal

Proposal : Proposed Residential/ Commercial Project
Address : Survey No 1/2/2, Moje Silvassa, D&NH & DD Dadra and Nagar Haveli 396230
Land Area : 14200 Sq. Mt.
Cost of the Project : INR 25 Cr.
Scope of Work

Plot Area (Sq. Mt.)	14200.00
Ground coverage (Sq. Mt.)	4478.49 (31.5 %)
Permissible Floor Area (Sq. Mt.), FSI	Not provided
Proposed Floor Area (Sq. Mt.) FSI	Not provided
Built up area (Sq. Mt.)	41059.38 Sqm
No. of Floors	1 Building G+7
Maximum Height (m)	30.00
No. of Blocks	1 Building
Number of units	526 shops/offices
Parking Area (Sq. Mt.)	12138.72 Sqm (971 ECS)
Common Area (Sq. Mt.)	Not provided
Tree Covered Area (Sq. Mt.)	Not provided
Power Requirement (KW)	750

Water and Waste Water Details

- Total water requirement (KL/day): 105.68 (Fresh 49.84 KL/day and Treated 55.84 KL/day)
- Fresh water requirement (KL/day): 49.84
- Source of water:

  Local Water Tanker (During Construction Phase)

  Silvassa Municipal Council water supply line and onsite treated water. (During Operation Phase)
- Waste water generation quantity (KL/day): 79.744
- Mode of disposal: Soak Pit during construction phase while during operation phase the generated waste water will be sent to the proposed STP (90 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 Municipality Sewer line.
- In case of STP provision, capacity of STP: Yes 90 KLD
- STP Technology: MBBR Technology
- Purposes for treated water utilization: Gardening and Flushing
- Quantity of treated water to be reused: 1) Gardening (KL/day): 6.0

  2) Flushing (KL/day): 49.84
- 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 Municipality Sewerline
- Power Requirement: 750 KW (estimated) from Dadra Nagar Haveli Power Distribution Corporation Ltd (DNH PDCL)

Solid / Hazardous Waste Management and Disposal:

a) During Construction Phase

   100 Workers 8Hrs * 200 gms / person / day = 200 Kgs /day

b) During Operation Phase

   526 shops/office * 4 persons/ unit * 200 gms / person / day = 420,8 Kgs /day

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.

Observations / Discussions: -

The project proponent gave detailed presentation of the project. After thoroughly going through the presentation and on checking documents submitted by the project proponent, the following points were emerged during the meeting and the project proponent was asked to clarify the points and support it with required documents.

1) The total amount allocated under Environmental Management Plan (EMP) may be recalculated and budgetary allocation under EMP may be increased.
2) Baseline air quality data around the project site needs to be collected to indicate the present status of air quality and the extent of variation-whether below the prescribed limits or not. The project proponent was directed to submit the AAQ data for criteria pollutants i.e. PM10, PM2.5, SOx and NOx.
3) The project details should include list of plants and animals of the project site. The project proponent was directed to provide the list of local flora and fauna of the project area.
4) The North-West and Western sides of the project site have good vegetation cover which includes different species of flora along with herbaceous and shrub vegetation, but details of these species are to be provided for appraisal. Local and native species of plants proposed for plantation may be selected in consultation with the local forest officers/ Forest Department.
5) Greenbelt development plan is deficient as it does not indicate the total area to be developed for greenbelt and the types of trees/plants to be planted. A detailed plan indicating 33% of total project area for greenbelt along with the species, locations and schedule of planting shall be submitted.
6) As per the land documents submitted, the land is owned by "M/s. Silvassa Developers". During the presentation, project proponent informed that NA order was issued to "M/s. Silvassa Developers" and the 7/12 copies indicate that the land is transferred to "M/s. TYP Associates". The project proponent was directed to submit the copies of documents of ownership of land in the name of "M/s. TYP Associates".
7) Rain water harvesting plan is to be incorporated in project plan. The project proponent was directed re-submit the details of Rain Water Harvesting system including the number of recharge wells to be constructed and its locations with the capacity to recharge rain water and its further use. The project may reduce usage of ground water and increase usage of rain water as far as possible.

As directed by the committee, the project proponent submitted the following documents and the same were accepted by the committee.

a. Copy of sale deed between Silvassa developers and TYP associates
b. Copy of 7/12 issued in the name of TYP Associates
c. Site map showing water harvesting location

The committee after detailed discussion unanimously decided to recommend the project proposal for grant of Environment Clearance with the following conditions in addition to other specific and general conditions as applicable: -

1) The project proponent was directed to install dual plumbing system for use of treated water from STP for flushing/ gardening purpose and to minimize the usage of ground water.
2) The number of recharge wells and its locations with the capacity to recharge rain water and its further use as provided in Rain Water Harvesting system plan may be constructed and the project may reduce usage of ground water and increase usage of rain water as far as possible.
3) A detailed green belt development plan indicating 33% of total project area for greenbelt along with the species, locations and schedule of planting shall be submitted to UTEIAA within one month before starting construction at site. Local and native species of plants proposed for plantation may be selected in consultation with the local forest officers/ Forest Department
4) The total amount allocated under Environmental Management Plan (EMP) may be recalculated and budgetary allocation under EMP increased and details submitted to UTEIAA within a month of issue of EC.

Proposal-2

Sr. No.	File No.	Project Proponent	Status
2.	UTEIAA/DNH-DD/2021/14	M/s. Kandoi Techfab Pvt. Ltd	Screening &Appraisal

Proposal : Proposed New Project for manufacturing of POY from PET granules
Address : Survey No.- 293/2/1/1, Vill. - Naroli, - 396235,
Land Area : 46990 Sq. Mt.
Cost of the Project : INR 25 Cr.

Project Highlights

Sr. No.	Particulars	Details
1	Total Plot Area	46990 Sq. Mt.
2	Greenbelt Area	15509 Sq. Mt. (33%)
3	Product with Production capacity	Polyester Partially Oriented Yarn

		(POY) @ 18000 TPA.
4	Raw Materials	PET granules, Spin finish oil and Antistatic oil
5	Cost of Project	Rs. 60.09 Crores
6	Capital and Recurring cost earmarked for environmental protection measures	Capital Cost for EMP: Rs. 60.00 Lacks and Recurring Cost for EMP including CER: Rs. 40.55 Lacks /Yr. CER per annum (for 10 yrs): Rs. 12.02 Lacks /Yr.
7	Total fresh water requirement and its sources	Total water - 154 KL/day Domestic- 15 KL/day, Gardening - 55 KL/day Industrial - 81 KL/day Total Fresh Water requirement - 132.20 KL/day Source: Ground water from bore well within premises after obtaining NOC from concerned Authority.
8	Total power requirement and its source	7,000 KW (For POY plant - 3500 KW) Source: DNH Power Distribution Corporation Ltd.
9	D.G. Set (Standby power source)	1750 KVA (2 Nos. of 500 KVA and 1 no. of 750 KVA) with acoustic enclosure
	Fuel requirement	175 L/hr. (@ 50 L/hr in each 500 KVA and @75 L/hr in 750 KVA)
10	Thermic Fluid Heater	Capacity: 2.6 Lac K. Cal/Hr.
	Fuel Requirement	Electricity
11	Utility emissions	Utility: PM < 150 mg/Nm^3, SO_2 < 100 ppm, NOx < 50 ppm
12	Man Power	Total- 414 Nos. (In POY plant - 177 NOS.)
13	Air pollution control measures	Adequate Stack to D.G. set as per guidelines of CPCB.
14	Wastewater generation	Domestic wastewater: 12.40 KLD Industrial wastewater: 13.00 KLD
15	Resource recovery Reuse/ Recycling	Treated domestic wastewater @ 12.30 KLD will be reused in plantation of greenbelt. Treated industrial wastewater @ 9.50 KLD will be reused in cooling tower.
16	Wastewater management	Domestic wastewater generated will be treated in modular STP and utilized in plantation. Industrial effluent will be treated in ETP followed by RO and evaporator; then will be reused in cooling tower.
17	Solid/ Hazardous wastes	ETP Waste (35.3) - 2.55 MT/Annum Used oil (5.1) - 20 Liter/ Annum Empty Drum/barrels (33.1) - 25 MT/Annum. Empty bags/liners (33.1) - 128

		MT/Annum. Evaporation Residue (37.3) - 10.20 MT Yarn waste - 75 MT/annum Cotton rags - 1 MT/annum

Observations / Discussions: -

The project proponent gave detailed presentation of the project. The following points were emerged during the meeting and the project proponent was asked to clarify the points and support it with required documents.

1) Green belt development plan to be revised. Exotics species like *Delonix regia, Thuja* sp. etc. may be avoided in planting. These species may be replaced by local species eg.*Mimusops elenji, Manilkara hexandra* and other local species. Local and native indigenous species of plants proposed for plantation shall be selected in consultation with the local forest officers/ Forest Department.
2) The layout of the plant with complete details of 'A' and 'C' blocks of the project to be re-submitted. The details of the plant including the details of products and its manufacturing activities of the remaining buildings to be submitted.
3) Revised greenbelt development plan covering all the boundaries of the proposed area shall be submitted.
4) In the water balance diagram of the project report submitted, the loss of water from cooling tower is found to be more than 90% which decreases its efficiency. It is suggested to consult with the experts like Bureau of Energy Efficiency etc. for increasing the efficiency of cooling system and re-calculate the total fresh water requirement and its loss.
5) Fresh water requirement for gardening activities is found to be more than 40 KLD which is not advisable. Committee recommended the use of surface water stored in the form of Rain Water Harvesting for the gardening activities. Project proponent assured that the fresh water requirement met from ground water shall be reduced and the treated water from STP and ETP along with Rain water harvesting system will be used for gardening.
6) The water balance diagram to be resubmitted incorporating ways for reduction of fresh water requirement for gardening activities and less extraction of ground water in rainy seasons with usage of rain water harvesting.
7) Budgetary provisions for greenbelt development proposed in the project plan are very less in comparison to the area and no. of trees to be planted. Revised budgetary provisions with increased amount and recurring cost for greenbelt development to be submitted.
8) ETP Sludge and Evaporation salt/ sludge may have energy values. Committee recommended exploring the possibilities for disposing the wastes by sending to cement kilns.

As directed by the committee, the project proponent submitted the following documents and the same were accepted by the committee.

a. Revised water requirement calculation
b. Revised Greenbelt development plan
c. Revised ETP sludge disposal management
d. Details of product manufacturing activity

The committee after detailed discussion unanimously decided to recommend the project proposal for grant of Environment Clearance with the following conditions in addition to other specific and General conditions as applicable: -

1) Revised Green belt development plan should be submitted to UTEIAA before start of construction. The Exotics species like *Delonix regia*, *Thuja* sp. etc. may be avoided in planting replaced by local species eg. *Mimusops elenji*, *Manilkara hexandra*. Local and native indigenous species of plants shall be selected in consultation with the local forest officers/ Forest Department.
2) The project should consult the experts like Bureau of Energy Efficiency etc. for increasing the efficiency of cooling system and re-calculate the total fresh water requirement and its loss.
3) The fresh water requirement met from ground water shall be reduced and the treated water from STP and ETP along with Rain water harvesting system should be used for gardening purposes.
4) Budgetary provisions for greenbelt development and EMP may be increased in the project plan which is very less in comparison to the area and no. of trees to be planted. Revised budgetary provisions with increased amount and recurring cost for greenbelt development should be submitted to UTEIAA before starting construction activities.
5) ETP Sludge and Evaporation salt/ sludge may have energy values. Therefore, the project must explore the possibilities of using these wastes by cement kilns instead of disposing at TSDF site.

Proposal-3

Sr. No.	File No.	Project Proponent	Status
3.	UTEIAA/DNH-DD/2021/15	M/s. PRAMUKH REALTY	Screening &Appraisal

Proposal : Proposed Residential/ Commercial Project
Address : Survey No. 161/1/2, 161/1/4, 161/1/7 and 161/1/8, Nr. Ayyappa Temple, Kamli faliya, Silvassa, Dadra and Nagar Haveli
Land Area : 7700.00 Sq. Mt.

Cost of the Project : INR 20.50 Cr.

Scope of Work

Plot Area (Sq. Mt.)	7700.00 Sq. m
Ground coverage (Sq. Mt.)	2130.21 (27.66%)
Permissible Floor Area (Sq. Mt.), FSI	Not Provided
Proposed Floor Area (Sq. Mt.) FSI	Not Provided
Built up area (Sq. Mt.)	26458.02
No. of Floors	GF + 9
Maximum Height (m)	33.66
No. of Blocks	6 5 Building
Number of units	Flats- 195 Shops- 06
Parking Area (Sq. Mt.)	3100.0 Sqm
Common Area (Sq. Mt.)	Not provided
Tree Covered Area (Sq. Mt.)	Not provided
Power Requirement (KW)	500

Water and Waste Water Details

- Total water requirement (KL/day): 136 (Fresh 79.8 & Treated 56.2)
- Fresh water requirement (KL/day): 102.8
- Source of water:

  Local Water Tanker (During Construction Phase)

  Silvassa Municipal Council water supply line and onsite treated water. (During Operation Phase)
- Waste water generation quantity (KL/day): 106.4
- Mode of disposal: Soak Pit during construction phase while during operation phase the generated waste water will be sent to the proposed STP (150 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 Municipality Sewer line.
- In case of STP provision, capacity of STP: Yes 150 KLD
- STP Technology: MBBR Technology
- Purposes for treated water utilization: Gardening and Flushing
- Quantity of treated water to be reused: 1) Gardening (KL/day): 3.0

  2) Flushing (KL/day): 53.20
- 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 Municipality Sewerline

- Power Requirement: 500 KW (estimated) from Dadra Nagar Haveli Power Distribution Corporation Ltd (DNH PDCL)

Solid / Hazardous Waste Management and Disposal:

a) During Construction Phase

Type of waste	**Generation (m^3)**	**Quantity to be reused (m^3)**	**Mode of Disposal / Reuse**
Top Soil	750	750	For garden development
Other excavated earth	9000	9000	50 % reuse for back filling & 50 % for internal road development
Construction debris	0.1	30% reuse for development of internal road & pavement	Send to the nearest collection point of SMC
Steel scrap	0.15	30% reuse	Sell to recyclers
Discarded packing materials	0.1	---	

b) During Operation Phase

Type of waste	**Generation (m^3)**	**Mode of waste collection**	**Mode of Disposal / Reuse**
Dry waste	298	Collected in Blue dustbin	The reusable waste will be sold off .The non-reusable solid waste to be generated will be treated in onsite waste to compost machine and compost will be used in gardening.
Wet waste	198.5	Collected in Green dustbin	

c) Mode of Disposal: Details of segregation if to be done: Collection of wet and dry waste will be in different buckets and it will be subsequently treated in waste to compost machine • Capacity and no. of community bins to be placed within premises: No of Bins: 20 Res.; Volume of Bins: 80 Lit each • Landfill site where waste will be ultimately disposed by local authority: At nearest site of Silvassa Municipal Corporation.

Observations / Discussions: -

The project proponent gave detailed presentation of the project. The following points were emerged during the meeting and the project proponent was asked to clarify the points and support it with required documents.

1) The proposal was already considered in the UTEAC meeting held on 12.10.2021.The committee deliberated to discuss only on the points raised in the previous meeting and asked the project proponent to submit the compliance report on the directions/decisions taken on the above points (8 points). Copy of orders and communications w.r.t the said eight points and its compliance be submitted to Member Secretary, UTEAC.
2) The project proponent was directed to provide the list of local flora and fauna of the project area. Further, the detailed list of trees near eastern boundary of project site to be provided. These trees to be left as such and not to be felled during the construction time. Shri. Arvind Vispute, committee member shall visit the project site and submit the report on trees in the project site.
3) The revised plan for rain water harvesting to be examined and to verify whether there is any change in the plan incorporated in the new project report/proposal.
4) List of plants proposed to be planted for green belt to be provided.

As decided in the meeting, site inspection was done by Shri. Aravind Vispute, CCF (Retd.), member UTEAC along with Member Secretary, UTEAC on 3.02.22 for assessing the tree cover in the project site. On Inspection, it was found that neither any trees nor any shrubs exist inside the project site. However, there is tree cover along eastern boundary of project site which extends to the nearby land. Further, it was observed that earth cutting has been done in one side of the eastern boundary of project site which has left no trace of stumps, if any (if at all felling of said trees has been done).

The trees standing in eastern boundary of the project site are *Pithecellobium dulce* (Jungli Jalebi-Manila Tamarind), *Tectona grandis* (Sagvan-Teak), *Dendrocalamus strictus* (Bans-Bamboo), *Zizyphus maurituana* (Ber-Jujub), Acacia sp.,*Terminalia crenulate* (Sadad), *Borassus flabellifer* (Tari-Toddy palm) etc. Herbs/ shrubs include *Hygrophila spinosa*, *Eranthemum roseum* etc.

The committee after detailed discussion unanimously decided to recommend the project proposal for grant of Environment Clearance with the following conditions in addition to other specific and General conditions as applicable: -

1) The trees/plant species like *Pithecellobium dulce* (Jungli Jalebi-Manila Tamarind), *Dendrocalamus strictus* (Bans-Bamboo), *Zizyphus maurituana* (Ber-Jujub), *Terminalia crenulata* (Sadad), *Borassus flabellifer* (Tari-Toddy palm) etc. along with other native species should be planted in the project area.
2) Treated water should be used for gardening & flushing purpose. Remaining quantity of treated water should be stored in rain water harvesting pond instead of discharging into the Municipality Sewer line in non-rainy season.
3) No ground water will be used by project during construction activities.

Proposal-4

Sr. No.	File No.	Project Proponent	Status
4.	UTEIAA/DNH-DD/2020/21/08	M/S. DAMAN POLYTHREAD LIMITED	Screening &Appraisal

Proposal : Amendment in existing EC granted
Address : Survey no.167/7,168/2/3/4,169/1/2/3/4, 170/1A & 170/2, Dunetha, Daman
Land Area : 46990 Sq. Mt.
Cost of the Project : INR 25 Cr.

Project Highlights

The unit has already obtained Environmental Clearance vide MoEF&CC / SEIAA File No : UTEIAA/DNH-DD/2020/21/08 dated 11/05/2020 for manufacturing of manmade fibre (PPMFY) from granules. The unit requested for amendment in EC Specific condition no.6 only and change of name of the unit.:

Observations / Discussions: -

The project proponent gave brief of the project and presented the issues related with amendment required in the specific conditions stipulated in the EC granted earlier and change in the name of the unit. The following points were emerged during the meeting and decisions taken accordingly.

1) The committee agreed to effect change of name of the unit as per the relevant documents submitted and as per approval of Ministry of Corporate affairs.
2) The project proponent was directed to submit copies of application and all previous correspondences made with Central Ground Water Authority (CGWA). The unit may get approval from CGWA for use of ground water.
3) The project proponent may approach Bureau of Energy Efficiency for increasing the efficiency of cooling system and to reduce water consumption in cooling system.
4) The project proponent may re-submit the details of rain water harvesting system including the reduction in the use of ground water. They may explore on different possibilities for using surface water through rain water harvesting by using injection technique or any other feasible methods.
5) The project proponent may give in writing to Member Secretary, UTEAC regarding the issue of requirement of water for the unit.

6) The project authorities may take some social service measures to recharge ponds etc. in the area/village with rainwater harvesting methods.
7) The committee agreed to recommend for the unit to get water for its functioning through Daman Ganga canal.

As directed by the committee, the project proponent submitted the following documents and the same were accepted by the committee.

a. Application/Correspondence with CGWA for ground water withdrawal
b. Correspondence with PWD, for providing surface water for industrial use
c. Revised rainwater harvesting plan

The committee after detailed discussion unanimously decided to recommend the project proposal for grant of Environment Clearance with the following conditions in addition to other specific and General conditions as applicable: -

1) The UTEIAA may accord approval for change of name of the unit as per the documents submitted and as per approval of Ministry of Corporate affairs.
2) The project proponent may not be allowed to draw ground water unless the unit gets approval from CGWA for use of ground water.
3) The project proponent may approach expert institutions like Bureau of Energy Efficiency etc. for increasing the efficiency of cooling system and to reduce evaporation losses/water consumption in cooling system.
4) The modified rain water harvesting system should be commissioned immediately as an effort towards reduction in the use of ground water. They may explore on different possibilities for using surface water through rain water harvesting.
5) The project authorities may take measures under CSR as social service to recharge ponds etc. in the area/village with rainwater harvesting methods.
6) The Daman District comes under SEMI CRITICAL category as per report of CGWA. The Union Territory administration may be approached by the unit to get water for its functioning through Daman Ganga canal to reduce dependence on ground water.

The meeting concluded with vote of thanks to the Chair and Members.

Joju P. Alappatt, IFS
(DCF, Daman & Diu)
Member Secretary, UTEAC